



**VistAWeb**  
*Version 13.0*  
*(Patch WEBV\*1\*20)*

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**Technical Manual**

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## Revision History

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3/20/06	WEBV*1*5	15, App B	The <i>Using VistAWeb User Management Web Application</i> section was modified to reflect a new method of requesting Special User access. Some new file names (CAPRI files, for example) have been added to Appendix B; <i>testSecurityKey.java</i> filename was deleted.	S. Madsen	M. Kelsey
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# Introduction

Veterans Health Information Systems and Technology Architecture (Vista) VistAWeb is an intranet web application used to review remote patient information found in Vista, the Federal Health Information Exchange (FHIE) system, the Health Data Repository II (HDR II) databases, and the Nationwide Health Information Network (see <http://healthit.hhs.gov/portal/server.pt?open=512&mode=2&cached=true&objID=1142>).

To a large extent, VistAWeb mirrors the reports behavior of the Computerized Patient Record System (CPRS) and Remote Data View (RDV). However, by permitting a more robust and timely retrieval of remote-site patient data, VistAWeb is also an enhancement to CPRS/RDV.

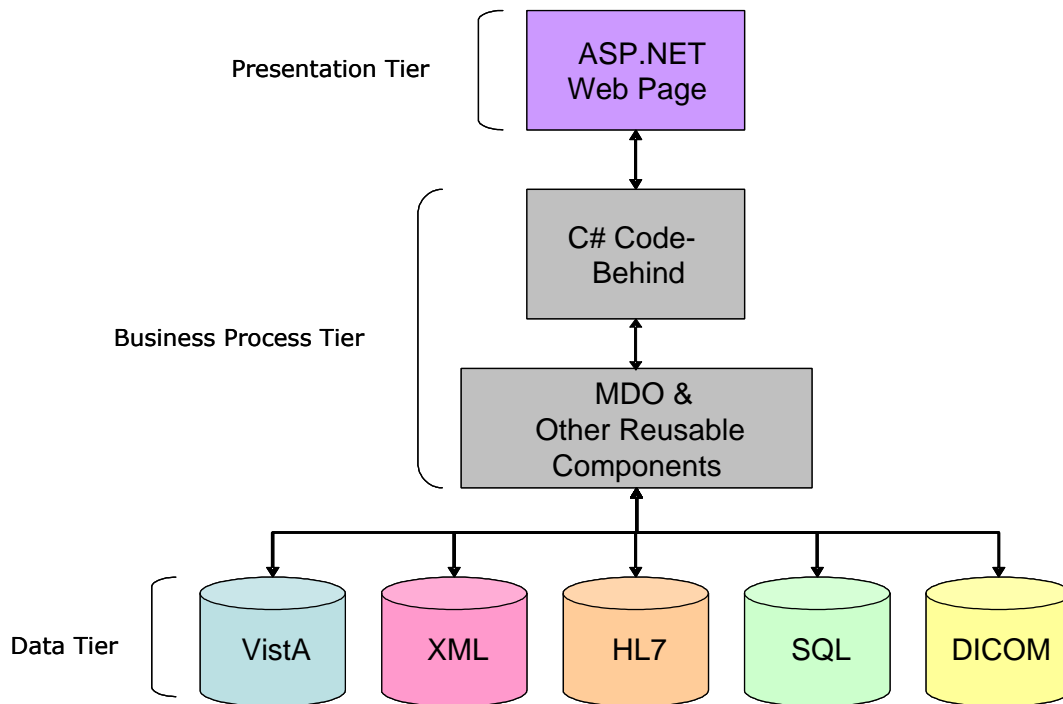
There are three ways to access VistAWeb. VistAWeb can be made available by adding it to the CPRS Tools Menu, and it can be selected as the default method of retrieving data from the VistaWeb button in CPRS. These two methods are referred to as CPRS-spawned versions of VistAWeb. They are compliant with the Health Level 7 (HL7) Clinical Context Object Workgroup (CCOW) standards and therefore maintain context with the patient selected in CPRS. As a third option, VistAWeb can be accessed in a standalone mode by entering the uniform resource locator (URL) link (<https://vistaweb.med.va.gov/>) in the Internet Explorer address bar.

**Note:** *Some links found in this technical manual go to sites or pages found on the VA intranet. These sites or pages are not accessible from outside the VA network.*

The standalone version of VistAWeb is connected to neither CPRS nor the clinical context management application. Standalone VistAWeb serves an important function for users who have been granted special access to multiple sites, such as for National Programs, Veterans Administration (VA) researchers, and others. VistAWeb was also made available more broadly, though temporarily, to assist clinical staff with the retrieval of patient information from the sites affected by damage caused by hurricane Katrina.

The design of VistAWeb uses n-tier architectural principles, where VistAWeb represents the presentation tier (ASP.Net Web Page). The business process tier is represented by multiple components that VistAWeb uses to access the data tier. Business process components include such elements as code-behind pages (a programming feature of Microsoft.NET programming), Medical Domain Objects (MDO), and a collection of other reusable components. The code-behind pages (.cs files), which are directly interwoven within the VistAWeb application, will be covered in this document, while other reusable components (.dll files) such as MDO will be discussed in other technical documents. The data tier comprises multiple data sources, such as Vista, XML, and numerous SQL-compliant relational databases (e.g., Oracle, Microsoft SQL Server, and Microsoft Access). Although some code-behind pages do interact with an SQL-compliant database and some XML sources, the rest of the data tier interactions take place in reusable components such as MDO. [Figure 1](#) depicts, at a high level, the interaction of the different application tiers.

**Figure 1: VistAWeb Application Tiers Interaction**



## Assumptions

System administrators, specifically web administrators, are the intended audience of this technical manual. Readers are assumed to possess the technical knowledge of programming principles using languages such as Java, XML, C#, HTML, and SQL. Additionally, users of this manual should also possess the technical knowledge of how to configure and interact with application servers and are also assumed to have already implemented the necessary security hardening guidelines. See the Office of Cyber and Information Security link below for information pertaining to security requirements:

[https://vaww.infoprotection.va.gov/portal/server.pt?open=17&objID=4283&DirMode=1&parentname=Dir&parentid=3&mode=2&in\\_hi\\_userid=2&cached=true](https://vaww.infoprotection.va.gov/portal/server.pt?open=17&objID=4283&DirMode=1&parentname=Dir&parentid=3&mode=2&in_hi_userid=2&cached=true)

For additional information on technologies and principles used in the development and implementation of VistAWeb, the following sources are recommended reading:

ASP.NET: <http://www.asp.net/Default.aspx?tabindex=0&tabid=1>

C#: <http://msdn.microsoft.com/vcsharp/>

Java Design Patterns: <http://java.sun.com/developer/technicalArticles/J2EE/patterns/>

.NET Application Development / n-tier:

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnbda/html/bdadotnetarch001.asp>

SQL: <http://www.w3schools.com/sql/default.asp>

World Wide Web Consortium: <http://www.w3.org/>



[Spring Framework: http://www.springframework.net/](http://www.springframework.net/)  
[Log4net \(similar to Log4j\): http://logging.apache.org/log4net/index.html](http://logging.apache.org/log4net/index.html) (see also Chainsaw  
at <http://logging.apache.org/chainsaw/index.html>)

The remainder of this document is divided into the following sections:

- System Requirements
- VistAWeb Overview
- SQL Server Database Overview
- Appendixes

# System Requirements

## Hardware

The servers that run VistAWeb are configured in Falling Waters, WV. The exact details of all components are unknown, but the basic components for the web servers and the database servers are listed below.

### Components that Apply to Both Web and Database Servers

Dell PowerEdge 4210 Rack with KVM (16-port switch)  
Two SAN adapter cards and Emulex FC HBA with Power Path licenses

### Web Server Components

Two Dell PowerEdge 6650s  
Dual-CPU 2.2 GHz processor  
8 GB RAM  
Five 36-GB SCSI hard drives  
Dual network interface cards

### Database Server Components

Two Dell PowerEdge 6650s  
Quad-CPU 2.2 GHz processors  
8 GB RAM  
Five 36-GB SCSI hard drives  
Dual network interface cards

## Software

Windows Server 2003 Enterprise configured with the role of Application Server  
Internet Information Services (IIS) 6.0 (installed by default as part of the Application Server role)  
.NET Framework 2.0  
FTP services and an FTP folder (to be used as a staging location for updates to VistAWeb)  
Web Extension Services set to allow ASP.NET extensions (see [Figure 2](#))  
Registry entries in Windows 2003 Server that allow more ephemeral ports (see [Figure 3](#))  
SQL Server 2000 or higher (The database does not need to run on the same server as the web application.)

Figure 2: Web Service Extension Settings

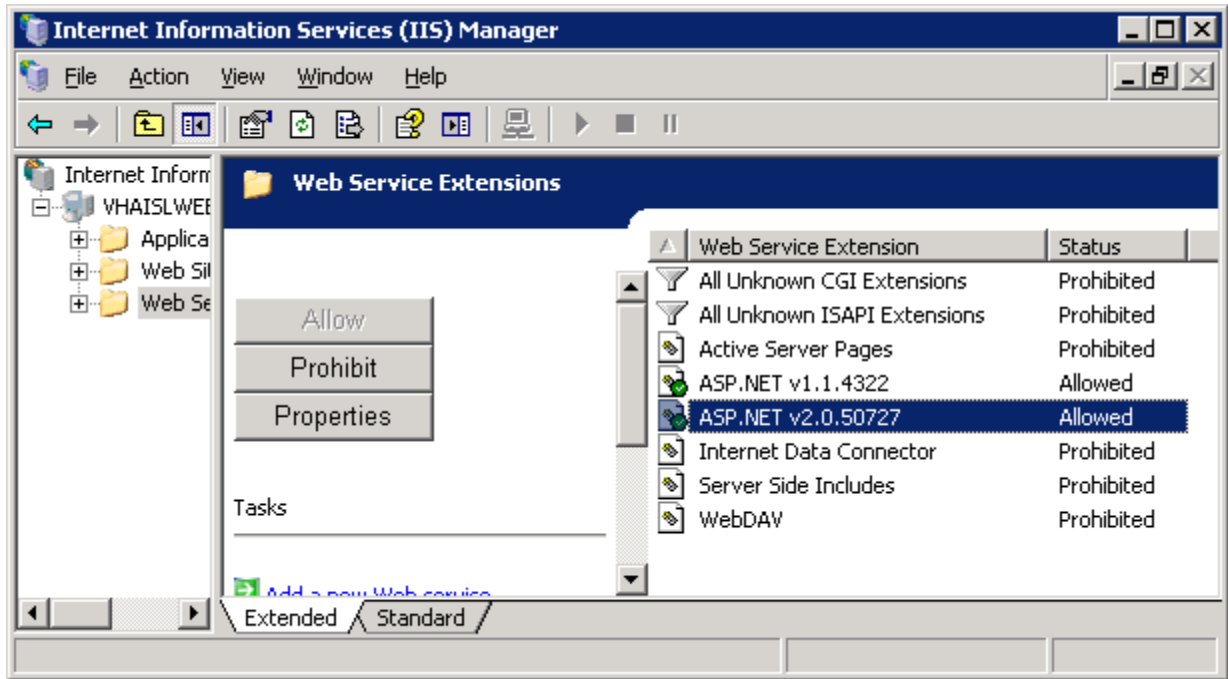
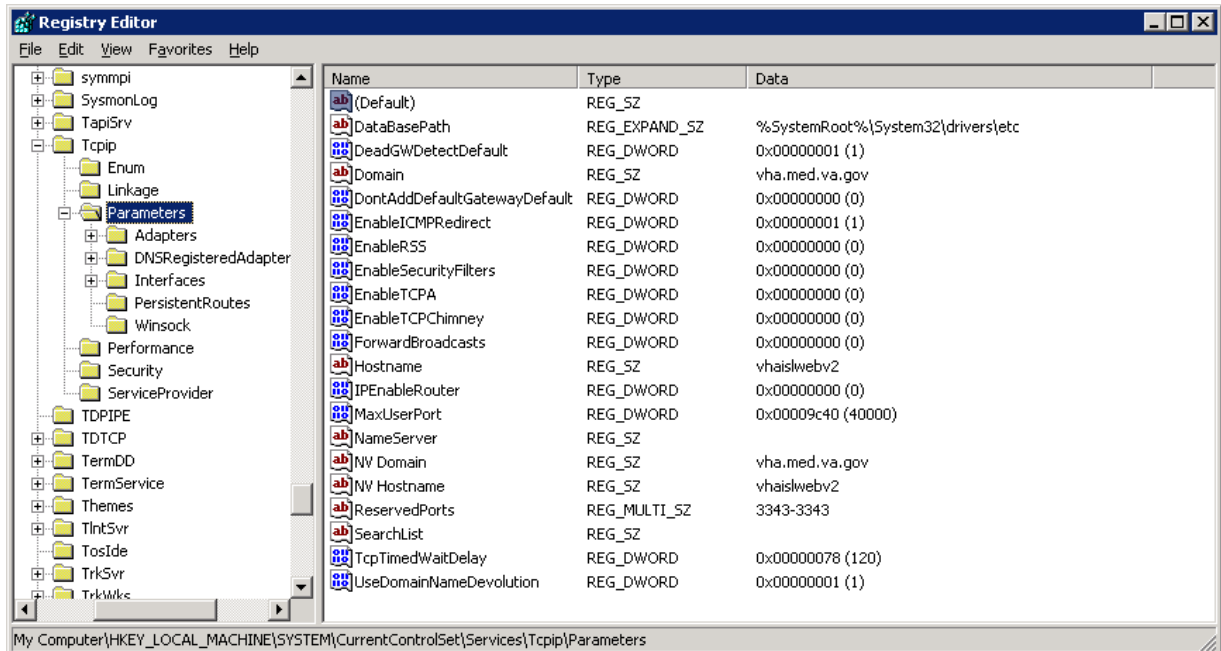


Figure 3: MaxUserPort and TcpTimedWaitDelay Registry Settings in Windows 2003 Server



For instructions on installing and configuring VistAWeb and the related intranet application, see the VistAWeb Installation Guide.

# VistAWeb Overview

VistAWeb's web pages are a mix of basic HTML pages and .NET Active Server Pages (ASP.NET), noted by the respective extensions of .htm (or .html) and .aspx. HTML and HTML pages are standalone pages. However, for the ASP.NET pages, there are actually two pages to be aware of:

aspx pages are written in HTML and ASP.NET tags;  
aspx.cs pages represent the “code-behind” pages that power the aspx pages; and

**Note:** *A code sample is provided in Appendix B, which contains a sample code from each of the three—htm, aspx, aspx.cs.*

## Language Specifications

The languages used in VistAWeb (and also VistAWeb Context) are:

ASP.NET  
HTML, including Cascading Style Sheets (CSS)  
XML  
C#  
JavaScript

## Using VistAWeb

VistAWeb is an intranet application that may be accessed as a standalone application, or spawned from the CPRS tools menu or the CPRS VistAWeb button. VistAWeb's patient data menu is very similar to the report menu found in the CPRS Reports tab. Users may wish to use either the standalone application or the CPRS-spawned version from the CPRS Tools menu. VistAWeb users must have an active existing CPRS account with the necessary CPRS contexts enabled. The two methods for using VistAWeb are documented below. For more comprehensive documentation on the use of VistAWeb, please read the VistAWeb User Manual.

### Standalone Application Process

1. User launches the web browser application (e.g., Internet Explorer).
2. User enters the URL of VistAWeb (<https://vistaweb.med.va.gov>) in the address bar and presses the Enter key or clicks the mouse cursor on the “Go” button adjacent to the address bar.
3. VistAWeb loads into the user's web browser.
4. User must select a login site link on the left of the display screen by clicking the mouse cursor on the desired site where the user has access.
5. User is provided with the VistA Login screen.
6. User enters his or her CPRS access/verify codes in the spaces provided and presses the Enter key or clicks the mouse cursor on the Login button.

7. Once the user's account is authenticated against CPRS, the user's remote site patient selection permissions are verified from a SQL Server database. The permissible sites for the user to choose patients from are then displayed.
8. User must select a site from which to select a patient if selecting a site other than his or her default site.
9. User is presented a Patient Selection screen for entering the desired patient name (last name, comma, first name, and middle initial), portion of name, first initial of last name and last 4 digits of Social Security number, similar to patient selection in CPRS. User then clicks the mouse cursor on the "Find" button (or presses the Enter key) to find a list of patients matching the criteria. With the appropriate patient highlighted, user then clicks on OK (or presses the Enter key).
10. The Sites and Notices screen is displayed, which identifies the sites where the patient has been seen.
11. User can look at different elements of the patient record by selecting a desired report from the list of available reports on the left side of the displayed screen.

By default, a VistAWeb user is permitted to select patients that are in the local VistA system where the user logs in. VistAWeb will retrieve data for these patients from all sites where the patients have visited. Some users (researchers or referral coordinators, for example) may need to select patients that are not in the local VistA. These users must be granted Special User access. Special User access can be granted for one site in addition to the login site, several sites, an entire VISN, or all sites nationally. The process for requesting special user permission is documented in the VistAWeb User Manual.

Note that regardless of which site is selected for a patient (local or remote), once a patient has been selected, VistAWeb uses the Master Patient Index (MPI) at the selected site to determine at what other sites the patient has remote data and establishes the connections to each of those sites to retrieve data requested by the user.

**Note:** *Users who regularly only use the standalone version of VistAWeb will be required to update their verify codes periodically, just as they would if logging into CPRS. When this happens, the login screen will display the message, "User must enter a new Verify code at this time."*

### **CPRS-Spawed VistAWeb Process**

1. User opens CPRS.
2. User enters his or her CPRS access/verify code.
3. User selects a patient.
4. User launches VistAWeb from the Tools menu or the CPRS VistAWeb button
5. VistAWeb opens in a web browser window (e.g., Internet Explorer) and one of two things occurs:
  - If the proper Sentillion Vergence controls are installed, VistAWeb will synchronize and display the CPRS-selected patient if the session of CPRS that launched VistAWeb is in context. The user can now look at different elements of the patient record by selecting the desired report from the reports menu on the left side of the user's display screen.

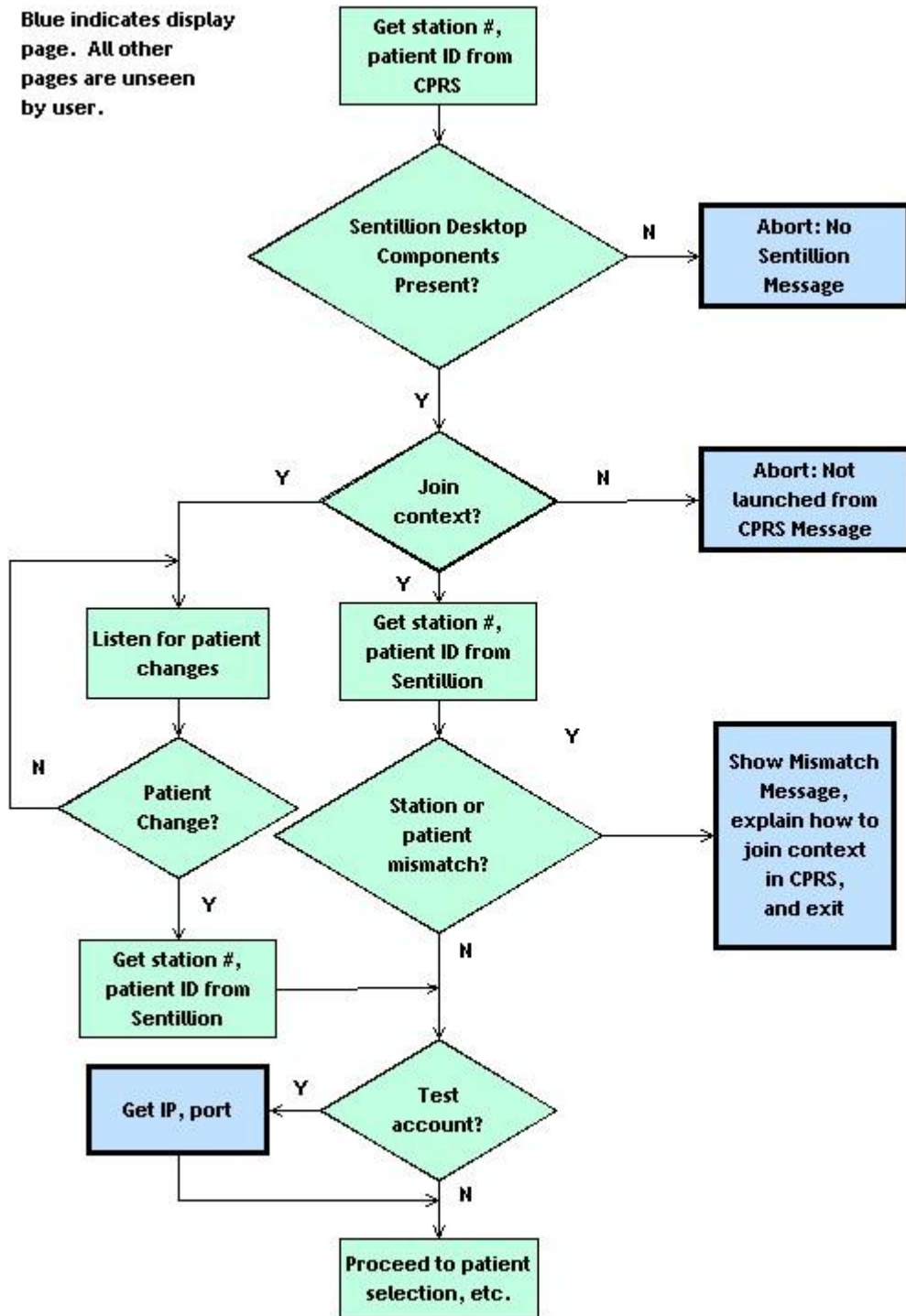
- If the components are not installed, or if the CPRS session is not in context, then the user is warned that either the components are not installed, or that CPRS lacks proper context synchronization, and the user is forced to close VistAWeb. After either or both of these situations are rectified, the user can start the process anew and display the patient records using VistAWeb, as in number 1 above.

**Note:** *Unlike the standalone version of VistAWeb, the CPRS- spawned version does not permit the user to change patients from within VistAWeb. VistAWeb is CCOW compliant and, therefore, maintains context with the patient who was selected in CPRS. Users must have the Sentillion Vergence Locator application loaded on the desktop and must maintain patient synchronization (context) to use the CPRS- spawned VistAWeb process.*

[Figure 4](#) shows the process flow for the login and use scenarios discussed above.

Figure 4: VistAWeb Login Process Flow

Blue indicates display page. All other pages are unseen by user.



## VistAWeb Under the Hood

Like all applications developed using Active Server Pages (ASP), all data source communications and most complex tasks are performed on the server side rather than the client side. The client (i.e., the VistAWeb user) only sees the end result of what the server does. What the client sees is standard HTML and client-side scripting generated by the server. So even though a common ASP.NET tag of `<asp:textbox>` might exist in an `aspx` page on the server, what is shown in the client's browser is `<input type=text>`. More importantly, the client never sees or knows how the data is collected or from where it is collected.

VistAWeb communicates with VistA and other data sources using a collection of methods. All data source communication methods are done through code-behind pages and through reusable components. Both the code-behind pages (`.cs` files) and the reusable components (`.dll` files) represent the business process tier. To provide better context and clarity, let's examine a code-behind page and a web page in greater detail.

### ASP.NET / Code-Behind Example: HsAdhoc.aspx

HsAdhoc.aspx is a basic ASP.NET page, but the coding techniques are the same for most ASP.NET pages in VistAWeb. Note that only the unique elements of ASP.NET will be explained here.

```
<%@ Page language="c#" Inherits="EMR.HsAdhoc" CodeFile="HsAdhoc.aspx.cs" %>
```

Every `.aspx` page must identify which code-behind page it must link to. In this case, it is `Insurance.aspx.cs`. It is possible to use C# programming in-line the same way that VBScript and JavaScript can be used in regular ASP (i.e., pre-.NET) pages, but VistAWeb only uses C# in code-behind pages.

```
<form id="Form2" method="post" runat="server">
  <!-- Adhoc Table
  *****-->
  <table border="0">
    <tr> <!-- Row 2-->
      <td></td>
      <td>Select Adhoc Reports:<asp:label id="lblAdhoc"
runat="server"></asp:label></td>
      <td></td>
      <td>Component Selection(s)<asp:label id="lblCompSel"
runat="server"></asp:label></td>
      <td></td>
      <td><asp:label id="lblHdrName" runat="server"
Enabled="False">Header Name:</asp:label></td>
    </tr>
    <tr> <!-- Row 3-->
      <td></td>
      <td vAlign="top" rowspan="6"><asp:listbox id="lstAdhocRpts"
Width="250px" Runat="server" Height="180px"
onselectedindexchanged="lstAdhocRpts_SelectedIndexChanged"></asp:listbox></td>
      <td></td>
      <td vAlign="top" rowspan="6"><asp:listbox id="lstSelected"
tabIndex="4" Width="250px" Runat="server" Height="180px" AutoPostBack="True"
onselectedindexchanged="lstSelected_SelectedIndexChanged"></asp:listbox></td>
      <td></td>
```



```

        <td><asp:textbox id="txtHdr" tabIndex="7" Width="150"
Runat="server" AutoPostBack="True" ontextchanged="txtHdr_TextChanged"></asp:textbox></td>
    </tr>
    <tr> <!-- Row 4-->
        <td></td>
        <td><asp:button id="btnAdd" tabIndex="1" runat="server"
Width="100%" Enabled="False" Text=""> CssClass="myButton"
CausesValidation="False"
onclick="btnAdd_Click"></asp:button></td>
        <td><asp:button id="btnRptUp" tabIndex="5" runat="server"
Width="100%" Enabled="False" Text="Up"
CssClass="myButton"
onclick="btnRptUp_Click"></asp:button></td>
        <td colspan="1"><asp:label id="lblOccLimit" Runat="server"
Enabled="False">Occurrence Limit:</asp:label></td>
        <td><asp:label id="lblTimeLimit" Runat="server"
Enabled="False">Time Limit:</asp:label></td>
    </tr>

```

The ASP.NET web controls, when read by the server, are rendered as HTML tags when transmitted to the client. For example, the `<asp:listbox>` tag will be rendered as a `<select>` tag. The `<asp:button>` tag will be rendered as an `<input type="button"...>`. Note that ASP.NET web controls can be read by the C# code-behind pages before the page is rendered, while the regular HTML tags cannot. This is because all ASP.NET and C# code is interpreted first, and HTML controls are interpreted last. In fact, HTML controls cannot be read by the C# code, because the controls do not exist prior to the page being loaded. The code-behind is executed prior to the .aspx page.

At the beginning of every code-behind page, there are usually several lines of code that identify which additional class libraries should be included and referenced. Including these libraries permits the programmer to interact with the routines within the libraries. For example, the System.Web.UI.WebControls Library allows the programmer to interact with the methods and properties of the ASP.NET controls and receive programming assistance from the IDE syntax checker.

A major difference between ASP and ASP.NET pages is that ASP.NET pages are self-submitting, meaning that they do not submit their data to other ASP.NET pages. In the pre-.NET days, ASP pages usually submitted their data to a different ASP page, with the different page being identified in the HTML tag `<form onaction="secondasp.aspx" method="post">`. In ASP.NET, the onaction event of the form tag is ignored, and clicking a submit button will submit the form's data to itself. With this paradigm shift, additional programming elements were needed for the code-behinds to prevent certain pitfalls. For example, say the Insurance.aspx page is being visited for the first time by the user. Certain values are queried and displayed on the page. Without a conditional element being included in the Page\_Load event, any reload would continually reload the original values, thereby wiping out any alterations to the page made by the user (assuming any were allowed). This conditional element sample is identified below:

```

private string summaryTitle;
private string summaryID;
private string siteId;
protected ArrayList uComponents = new ArrayList();
protected int compCtr;

```

```

protected void Page_Load(object sender, System.EventArgs e)
{
    base.pageLoad(sender, e);
    summaryTitle = Request.QueryString["alt"];
    summaryID = Request.QueryString["app"];
    siteId = Request.QueryString["siteId"];
    MDO.MultiSiteDAO dao = (MDO.MultiSiteDAO)Session[Constants.MULTI_SITE_DAO];

    if (!Page.IsPostBack)
    {
        Session["AHComponents"] = uComponents;
        MDO.AHComponent[] ahComps = dao.getAdhocComponents(siteId);
        for (int i=0; i<ahComps.Length; i++)
        {
            ListItem item = new
ListItem(ahComps[i].GetComponentName(), ahComps[i].getAHString());
            lstAdhocRpts.Items.Add(item);
        }

        if (lstAdhocRpts.Items.Count>0)
        {
            btnAdd.Enabled = true;
        }
        uComponents = (ArrayList)Session["AHComponents"];
        compCtr = 0;
        if (uComponents.Count > 0)
        {
            compCtr = int.Parse(((MDO.AHComponent) uComponents[uComponents.Count-
1]).getCompCtr());
        }
    }
}

```

Having the !Page.IsPostBack condition ensures that the setup code is performed only once rather than each time the page is reposted to itself.

## Releasing Project Updates to Production

Whenever there is a change to the VistAWeb EMR project or code files (C# files), the project must be recompiled. This project recompilation produces a .dll file. This .dll file, unlike the pre-.NET days of ASP and middle-tier development, does not require a component object model (COM) wrapper, but is instead COM-less. Bottom line—this means faster application development, faster deployment, and less application server downtime. Unlike the pre-.NET days when the IIS services would have to be stopped to release .dll updates, in .NET, the IIS services do not need to be stopped, because the COM-less .dll is not locked and can be easily overwritten.

Despite this feature, VistAWeb is always released in a complete zip file to ensure that all components are version compatible with each other, and that they have all passed SQA testing as a unit.

## Other VistAWeb Mannerisms

CCOW—VistAWeb is Clinical Context Object Workgroup (CCOW) compliant and therefore maintains context with the patient who was selected in CPRS. VistAWeb

retrieves data for that patient from all sites where the patient has visited. Users will not be able to select a new patient from within VistAWeb, but may return to CPRS to select a new patient. This new patient will then be viewable in VistAWeb automatically.

**Activity Logging**—VistAWeb tracks the user's movements through the application in a SQL Server database table.

**Error Logging / Email**—whenever an error occurs with the application, it is automatically logged by VistAWeb to the log4net framework. The log4net framework can be configured to save log entries to a file, the SQL Server, emailed, etc. VistAWeb comes configured to store all log messages to the SQL Server database.

**Multithreaded Site Connections**—when a user identifies what patient data he/she wants to see, MDO creates a separate connection thread to each site where the patient has data and retrieves the data asynchronously rather than iteratively.

**No Caching**—pages that present patient data are prevented from being cached in the client-side Temporary Internet Files folder, thereby preventing users from retrieving patient data after the VistAWeb session has terminated.

**Session Timeout**—the VistAWeb browser session times out after 15 minutes of inactivity. A two-minute warning window will pop up, allowing the user the option to terminate the session early or continue working, the latter choice thereby resetting the timeout period.

**Spring Context**—much of VistAWeb is configured using Spring framework configuration files

## **Special User Access Web Application**

The Special User Access application is an intranet application that is used by select individuals to grant VistAWeb users the ability to select patients from remote sites, and is built-in to VistAWeb. Note that access to this application is restricted to only a handful of individuals who have been identified to have the proper credentials necessary to assign remote site permissions to VistAWeb users.

### **Process**

Once a VistAWeb user has submitted a request to be able to select patients from one or more remote sites, the associated authorizer will use the application to grant the approved site permissions. The authorizer must provide a reason for each entry; the reasons are typically provided by the VistAWeb user to the local Information Security Officer (ISO) when the user makes the initial request.

The data is saved to a SQL server database table.

The associated authorizer notifies the user and the local ISO of the authorized permissions.

Like the VistAWeb project, the Special User Access project is governed by the same development methodology.

## VistA Connections

### Compatibility With Patch XWB\*1.1\*35

As of version 12, VistAWeb is compatible with patch XWB\*1.1\*35 – *Non Call-back Broker*. This patch allows clients to connect to the VistA broker using a single port/connection, instead of the 2-port/connection method (AKA the “call-back broker”) in the old style.

VistAWeb attempts all VistA connections using the newer style defined by patch XWB\*1.1\*35. If that method fails, it falls-back to the older style of connection.

The consequences of connecting to VistA with the new style is that the client connection could be disconnected by the VistA account after a certain period of inactivity. To remedy this, VistAWeb calls the “broker info” RPC on the VistA system when it firsts connects to get that system’s timeout value. Then, VistAWeb sets up an execution thread that runs the “I’m Here” RPC for that VistA connection during inactive times. In the VistAWeb documentation we call this the “ping thread”.

VistAWeb runs the “ping thread” in half (1/2) the time indicated as the VistA’s timeout value. For example: If the Salt Lake system indicated 180 seconds as the connection timeout, VistAWeb runs the “I’m Here” RPC every 90 seconds if there is no RPC activity on that connection.

*Note: The “ping thread” mechanism is **only** used for the newer XWB\*1.1\*35 connections. The older connection method remains unchanged.*

The use of the “ping thread” mechanism allows the user to remain connected to the needed VistA systems until their work is finished, without having to reconnect serially to each VistA system every time a report is requested.

Version 13 introduced a “ping thread” timeout. Since VistAWeb is a web app, sometimes users stop using it without VistAWeb being able to detect this (for example; simply clicking the close “X” on the browser window, or the network connection is interrupted, etc). In order for VistA connections to be able to close properly, the “ping thread” timeout is set for 20 minutes, which is 5 minutes longer than the default timeout value for VistAWeb. After that time, the “ping thread” is terminated, and the VistA connection is allowed to be closed by VistA after its timeout period has elapsed. That way, user’s VistA connections will eventually be closed and the port reclaimed for reuse on the server.

*Note: All “ping threads” are terminated and all connections are closed if VistAWeb does detect the user is done (for example, by clicking the “Logoff” button).*

The [Appendix D](#) section of this document describes parameters that can be adjusted for the new connection method, how to disable the “ping thread”, or how to force VistAWeb to use the new connection method or the old connection method for all VistA connections.

## Broker Security Enhancement

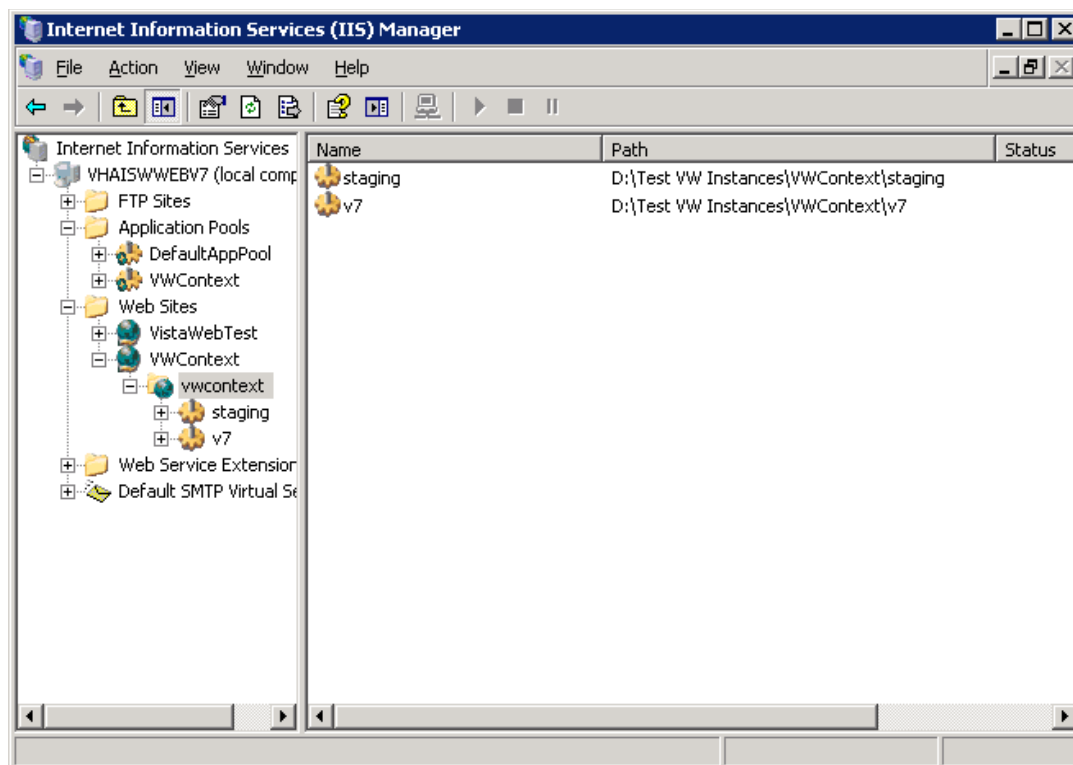
As of version 7, VistAWeb takes advantage of the VistA Broker Security Enhancement (also known as BSE) to set up and authenticate users on “remote” VistA systems. A “remote” VistA system is a VistA account that the user does not have access/verify credentials to access. The Broker Security Enhancement is a mechanism to provide user access to these other systems to provide patient data, which is more secure than the old method of granting access.

In order for this to work, the VistAWeb team has created a web application called the VistAWeb Context service that allows “remote” VistA systems to callback to VistAWeb to validate the remote authorization request. (See the documentation on the BSE from the Common Services group at <http://tspr.vista.med.va.gov/warboard/anotebk.asp?proj=994> to see how this functionality works.)

### First-Time-Only Setup

1. Back up the SQL Server database. *This step cannot be skipped!*
2. Create a login in SQL Server to allow *only inserting* into the LoggerTable table.
3. Create a web application for the new BSE context service; name it VWContext.  
Configure the web application to use 10.2.48.10 and unsecured port 12181 (see [Figure 5](#))
  - Specify a new MIME type for this application for “\*.do” items
  - This web application will run as an HTTP application (and *not* HTTPS).

**Figure 5: Configuration of VWContext**



4. Run the SQL script entitled “Update CPRS” against the SQL database; this will add a column to one of the tables and populate the column with the data.

#### Steps to Update in v13 in Staging and SQA - Every Time

1. Remove prior versions of VW and vwContext.
2. Unzip vistaweb\_<version>.<date>.zip into the target VW folder.
3. Unzip vistawebcontext\_<version>.<date>.zip into the target folder created in step 3 above.
4. Change the <vistaweb>/resources/xml/log4net.xml file to add the login ID and password from step 2 above. Strip out the “Provider=SQLOLEDB” from the connection string.
5. Change the <vistawebcontext>/resources/xml/log4net.xml to add the login ID and password from step 2. Strip out the “Provider=SQLOLEDB” from the connection string.
6. Change the <vistaweb>/web.config file.
  - a. Change the vistaConnectionFactory.security phrase to “MY NAME IS SQA01”.
  - b. Change userActivity.connectionString to specify the SQA SQL Server database (EMR\_SQA for SQA and EMR for UAT).
  - c. Change version.useFullVersion to “true”.
  - d. Change allowViewLog to “true”.
  - e. Change excludeChemHem to “false”.
  - f. Change the <vistawebcontext>/web.config file to specify the SQA SQL Server database (set it to the same value as what’s in VI.b).
  - g. Start the vistawebcontext web application, and then start the vistaweb application.
  - h. Change permissions to image\temp file to allow Network Service to “Write” in vistaweb.
  - i. Copy vhasites.xml file from existing instance into staging.
  - j. Test.

## SQL Server Database Overview

VistAWeb needs the following tables in order to run and will interact with these tables constantly. The EMR database contains the following tables:

*CprsUsers*—CPRS-spawned VistAWeb checks this table to see if the CPRS user has logged into the spawned version before. If not, then the user is asked to log into VistAWeb. Once this is done one time, the user's information is added to the CPRSUsers table. Future CPRS-spawned VistAWeb browsers will not ask the user to log in if their information is found in this table.

*SpecialUsers*—retains the remote site permissions assigned to users.

*Log*—tracks the movements of users within the VistAWeb application.

*Request*—tracks remote sites to which users want special user access.

*LoggerTable* – used by the log4net framework used by VistAWeb to store application errors and other internal logging

*UserAuth* – used by the Broker Security Enhancement code in VistAWeb and the associated VistAWeb Context service to allow “remote” VistA systems to authenticate back to VistAWeb

## Appendix A: Database Schema

- Database Name: EMR
- Database Tables:
  - Log
  - CprsUsers
  - SpecialUser
  - Requests
  - LoggerTable
  - UserAuth
- Views:
  - LogDesc
- General:
  - Update CPRS Script

### Log Creation Script

```
CREATE TABLE [dbo].[Log] (  
    [id] [numeric](19, 0) IDENTITY (1, 1) NOT NULL ,  
    [requestDate] [datetime] NULL ,  
    [remoteAddr] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [userId] [numeric](19, 0) NULL ,  
    [userName] [varchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [userSitecode] [varchar] (6) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [userSitename] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [requestPage] [varchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [requestSitecode] [varchar] (6) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [requestSitename] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [patientID] [numeric](19, 0) NULL ,  
    [patientName] [varchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,  
    [patientSensitivity] [tinyint] NULL ,  
    [message] [varchar] (4000) COLLATE SQL_Latin1_General_CP1_CI_AS NULL  
)
```

### Log Index Creation Scripts

```
ALTER TABLE [dbo].[Log] ADD CONSTRAINT [PK_Log] PRIMARY KEY CLUSTERED  
(  
    [id] ASC  
)WITH ( PAD_INDEX = OFF,  
    STATISTICS_NORECOMPUTE = OFF,  
    SORT_IN_TEMPDB = OFF,  
    IGNORE_DUP_KEY = OFF,  
    ONLINE = OFF,  
    ALLOW_ROW_LOCKS = ON,  
    ALLOW_PAGE_LOCKS = ON)  
ON [PRIMARY]  
  
CREATE NONCLUSTERED INDEX [requestDate] ON [dbo].[Log]  
(  
    [requestDate] ASC  
)WITH ( PAD_INDEX = OFF,
```



```

        STATISTICS_NORECOMPUTE = OFF,
        SORT_IN_TEMPDB = OFF,
        IGNORE_DUP_KEY = OFF,
        DROP_EXISTING = OFF,
        ONLINE = OFF,
        ALLOW_ROW_LOCKS = ON,
        ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]

```

## CprsUsers Creation Script

```

CREATE TABLE [dbo].[CprsUsers] (
    [UserID] [numeric](19, 0) IDENTITY(1,1) NOT NULL ,
    [Sitecode] [varchar] (3) NOT NULL ,
    [SiteName] [varchar] (80) ,
    [DUZ] [varchar] (50) NOT NULL ,
    [SSN] [varchar] (9) NOT NULL ,
    [Name] [varchar] (100) NOT NULL ,
    [activeDate] [datetime] NULL ,
    [inactiveDate] [datetime] NULL
)

```

## CprsUsers Index Creation Script

```

ALTER TABLE [dbo].[CprsUsers] ADD CONSTRAINT [PK_CprsUsers] PRIMARY KEY CLUSTERED
(
    [UserID] ASC
)WITH (    PAD_INDEX = OFF,
        STATISTICS_NORECOMPUTE = OFF,
        SORT_IN_TEMPDB = OFF,
        IGNORE_DUP_KEY = OFF,
        ONLINE = OFF,
        ALLOW_ROW_LOCKS = ON,
        ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]

```

## SpecialUsers Creation Script

```

CREATE TABLE [dbo].[SpecialUsers] (
    [RecID] [numeric](19, 0) IDENTITY (1, 1) NOT NULL ,
    [UserSiteId] [varchar] (3) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [DUZ] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [UserName] [varchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [Site] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [Reason] [varchar] (200) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [ActiveDate] [datetime] NULL ,
    [DeactiveDate] [datetime] NULL
)

```

## SpecialUsers Index Creation Script

```

ALTER TABLE [dbo].[SpecialUsers] ADD CONSTRAINT [PK_SpecialUsers] PRIMARY KEY
CLUSTERED
(
    [RecID] ASC
)WITH (    PAD_INDEX = OFF,
        STATISTICS_NORECOMPUTE = OFF,
        SORT_IN_TEMPDB = OFF,
        IGNORE_DUP_KEY = OFF,
        ONLINE = OFF,
        ALLOW_ROW_LOCKS = ON,

```

```
        ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
```

## Requests Creation Script

```
CREATE TABLE [dbo].[Requests] (
    [requestID] [numeric](19, 0) IDENTITY (1, 1) NOT NULL ,
    [userID] [varchar] (3) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
    [text] [varchar] (500) COLLATE SQL_Latin1_General_CP1_CI_AS NULL
)
```

## LogDesc View Creation Script

```
CREATE VIEW dbo.LogDesc
AS
SELECT      *
FROM        dbo.Log
ORDER BY id DESC
```

## LoggerTable Creation Script

```
CREATE TABLE [dbo].[LoggerTable] (
    [Id] [int] IDENTITY (1, 1) NOT NULL,
    [Date] [datetime] NOT NULL,
    [Thread] [varchar] (255) NOT NULL,
    [Level] [varchar] (50) NOT NULL,
    [Logger] [varchar] (255) NOT NULL,
    [Message] [varchar] (4000) NOT NULL,
    [Exception] [varchar] (2000) NULL
)
```

## UserAuth Creation Script

```
CREATE TABLE [dbo].[UserAuth] (
    [sessionId] [varchar] (80) NOT NULL,
    [sessionType] [varchar] (20) NOT NULL,
    [effectiveDate] [datetime] NOT NULL,
    [inactiveDate] [datetime],
    [status] [varchar] (10),
    [name] [varchar] (100) NOT NULL,
    [userId] [numeric](19, 0) NOT NULL
)
```

## UserAuth Index Creation Script

```
CREATE NONCLUSTERED INDEX [UserAuth_sessionUser] ON [dbo].[UserAuth]
(
    [sessionId] ASC,
    [userId] ASC
) WITH (
    PAD_INDEX = OFF,
    STATISTICS_NORECOMPUTE = OFF,
    SORT_IN_TEMPDB = OFF,
    IGNORE_DUP_KEY = OFF,
    DROP_EXISTING = OFF,
    ONLINE = OFF,
    ALLOW_ROW_LOCKS = ON,
    ALLOW_PAGE_LOCKS = ON)
ON [PRIMARY]
```

## Update CPRS Script

This script is used to upgrade the CprsUsers table when moving from VistAWeb v6.x to v7 or higher.

```
/****** Object: Table [dbo].[CprsUsers]      Script Date: 05/22/2007 11:52:06 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
alter table [dbo].[CprsUsers] ADD [SiteName] [varchar](100)
go

update [dbo].[CprsUsers]
set SiteName='Togus, ME'
where SiteCode='402';

update [dbo].[CprsUsers]
set SiteName='White River Junction, VT'
where SiteCode='405';

update [dbo].[CprsUsers]
set SiteName='Bedford, MA'
where SiteCode='518';

update [dbo].[CprsUsers]
set SiteName='Boston HCS'
where SiteCode='523';

update [dbo].[CprsUsers]
set SiteName='Manchester, NH'
where SiteCode='608';

update [dbo].[CprsUsers]
set SiteName='Northampton, MA'
where SiteCode='631';

update [dbo].[CprsUsers]
set SiteName='Providence, RI'
where SiteCode='650';

update [dbo].[CprsUsers]
set SiteName='Connecticut HCS'
where SiteCode='689';

update [dbo].[CprsUsers]
set SiteName='Upstate NY HCS'
where SiteCode='528';

update [dbo].[CprsUsers]
set SiteName='Bronx, NY'
where SiteCode='526';

update [dbo].[CprsUsers]
set SiteName='New Jersey HCS'
where SiteCode='561';

update [dbo].[CprsUsers]
set SiteName='Hudson Valley HCS'
where SiteCode='620';

update [dbo].[CprsUsers]
```

```

set SiteName='NY HCS'
where SiteCode='630';

update [dbo].[CprsUsers]
set SiteName='Northport, NY'
where SiteCode='632';

update [dbo].[CprsUsers]
set SiteName='Wilmington, DE'
where SiteCode='460';

update [dbo].[CprsUsers]
set SiteName='Altoona, PA'
where SiteCode='503';

update [dbo].[CprsUsers]
set SiteName='Butler, PA'
where SiteCode='529';

update [dbo].[CprsUsers]
set SiteName='Clarksburg, WV'
where SiteCode='540';

update [dbo].[CprsUsers]
set SiteName='Coatesville, PA'
where SiteCode='542';

update [dbo].[CprsUsers]
set SiteName='Erie, PA'
where SiteCode='562';

update [dbo].[CprsUsers]
set SiteName='Lebanon, PA'
where SiteCode='595';

update [dbo].[CprsUsers]
set SiteName='Philadelphia, PA'
where SiteCode='642';

update [dbo].[CprsUsers]
set SiteName='Pittsburgh HCS'
where SiteCode='646';

update [dbo].[CprsUsers]
set SiteName='Wilkes Barre, PA'
where SiteCode='693';

update [dbo].[CprsUsers]
set SiteName='Maryland HCS'
where SiteCode='512';

update [dbo].[CprsUsers]
set SiteName='Martinsburg, WV'
where SiteCode='613';

update [dbo].[CprsUsers]
set SiteName='Washington, DC'
where SiteCode='688';

update [dbo].[CprsUsers]
set SiteName='Beckley, WV'
where SiteCode='517';

update [dbo].[CprsUsers]

```

```

set SiteName='Durham, NC'
where SiteCode='558';

update [dbo].[CprsUsers]
set SiteName='Fayetteville, NC'
where SiteCode='565';

update [dbo].[CprsUsers]
set SiteName='Hampton, VA'
where SiteCode='590';

update [dbo].[CprsUsers]
set SiteName='Asheville, NC'
where SiteCode='637';

update [dbo].[CprsUsers]
set SiteName='Richmond, VA'
where SiteCode='652';

update [dbo].[CprsUsers]
set SiteName='Salem, VA'
where SiteCode='658';

update [dbo].[CprsUsers]
set SiteName='Salisbury, NC'
where SiteCode='659';

update [dbo].[CprsUsers]
set SiteName='Atlanta, GA'
where SiteCode='508';

update [dbo].[CprsUsers]
set SiteName='Augusta, GA'
where SiteCode='509';

update [dbo].[CprsUsers]
set SiteName='Birmingham, AL'
where SiteCode='521';

update [dbo].[CprsUsers]
set SiteName='Charleston, SC'
where SiteCode='534';

update [dbo].[CprsUsers]
set SiteName='Columbia, SC'
where SiteCode='544';

update [dbo].[CprsUsers]
set SiteName='Dublin, GA'
where SiteCode='557';

update [dbo].[CprsUsers]
set SiteName='Central Alabama HCS'
where SiteCode='619';

update [dbo].[CprsUsers]
set SiteName='Tuscaloosa, AL'
where SiteCode='679';

update [dbo].[CprsUsers]
set SiteName='Bay Pines, FL'
where SiteCode='516';

update [dbo].[CprsUsers]

```

```

set SiteName='Bay Pines CIO Test'
where SiteCode='998';

update [dbo].[CprsUsers]
set SiteName='Miami, FL'
where SiteCode='546';

update [dbo].[CprsUsers]
set SiteName='West Palm Beach, FL'
where SiteCode='548';

update [dbo].[CprsUsers]
set SiteName='N. Florida/S. Georgia HCS'
where SiteCode='573';

update [dbo].[CprsUsers]
set SiteName='San Juan, PR'
where SiteCode='672';

update [dbo].[CprsUsers]
set SiteName='Tampa, FL'
where SiteCode='673';

update [dbo].[CprsUsers]
set SiteName='Huntington, WV'
where SiteCode='581';

update [dbo].[CprsUsers]
set SiteName='Lexington, KY'
where SiteCode='596';

update [dbo].[CprsUsers]
set SiteName='Louisville, KY'
where SiteCode='603';

update [dbo].[CprsUsers]
set SiteName='Mountain Home, TN'
where SiteCode='621';

update [dbo].[CprsUsers]
set SiteName='Tennessee Valley HCS'
where SiteCode='626';

update [dbo].[CprsUsers]
set SiteName='Memphis, TN'
where SiteCode='614';

update [dbo].[CprsUsers]
set SiteName='Chillicothe, OH'
where SiteCode='538';

update [dbo].[CprsUsers]
set SiteName='Cincinnati, OH'
where SiteCode='539';

update [dbo].[CprsUsers]
set SiteName='Dayton, OH'
where SiteCode='552';

update [dbo].[CprsUsers]
set SiteName='Cleveland, OH'
where SiteCode='541';

update [dbo].[CprsUsers]

```

```

set SiteName='Columbus, OH'
where SiteCode='757';

update [dbo].[CprsUsers]
set SiteName='Saginaw, MI'
where SiteCode='655';

update [dbo].[CprsUsers]
set SiteName='Battle Creek, MI'
where SiteCode='515';

update [dbo].[CprsUsers]
set SiteName='Detroit, MI'
where SiteCode='553';

update [dbo].[CprsUsers]
set SiteName='Indianapolis, IN'
where SiteCode='583';

update [dbo].[CprsUsers]
set SiteName='Ann Arbor, MI'
where SiteCode='506';

update [dbo].[CprsUsers]
set SiteName='Danville, IL'
where SiteCode='550';

update [dbo].[CprsUsers]
set SiteName='Northern Indiana HCS'
where SiteCode='610';

update [dbo].[CprsUsers]
set SiteName='Milwaukee, WI'
where SiteCode='695';

update [dbo].[CprsUsers]
set SiteName='Hines, IL'
where SiteCode='578';

update [dbo].[CprsUsers]
set SiteName='Iron Mountain, MI'
where SiteCode='585';

update [dbo].[CprsUsers]
set SiteName='North Chicago, IL'
where SiteCode='556';

update [dbo].[CprsUsers]
set SiteName='Tomah, WI'
where SiteCode='676';

update [dbo].[CprsUsers]
set SiteName='Jesse Brown VAMC'
where SiteCode='537';

update [dbo].[CprsUsers]
set SiteName='Madison, WI'
where SiteCode='607';

update [dbo].[CprsUsers]
set SiteName='Columbia, MO'
where SiteCode='543';

update [dbo].[CprsUsers]

```

```

set SiteName='Kansas City, MO'
where SiteCode='589';

update [dbo].[CprsUsers]
set SiteName='St. Louis, MO'
where SiteCode='657';

update [dbo].[CprsUsers]
set SiteName='Topeka, KS'
where SiteCode='677';

update [dbo].[CprsUsers]
set SiteName='Leavenworth, KS'
where SiteCode='686';

update [dbo].[CprsUsers]
set SiteName='Alexandria, LA'
where SiteCode='502';

update [dbo].[CprsUsers]
set SiteName='Little Rock, AR'
where SiteCode='598';

update [dbo].[CprsUsers]
set SiteName='Fayetteville, AR'
where SiteCode='564';

update [dbo].[CprsUsers]
set SiteName='Jackson, MS'
where SiteCode='586';

update [dbo].[CprsUsers]
set SiteName='Houston, TX'
where SiteCode='580';

update [dbo].[CprsUsers]
set SiteName='Muskogee, OK'
where SiteCode='623';

update [dbo].[CprsUsers]
set SiteName='Oklahoma City, OK'
where SiteCode='635';

update [dbo].[CprsUsers]
set SiteName='Shreveport, LA'
where SiteCode='667';

update [dbo].[CprsUsers]
set SiteName='Biloxi, MS'
where SiteCode='520';

update [dbo].[CprsUsers]
set SiteName='New Orleans, LA'
where SiteCode='629';

update [dbo].[CprsUsers]
set SiteName='Central Texas HCS'
where SiteCode='674';

update [dbo].[CprsUsers]
set SiteName='South Texas HCS'
where SiteCode='671';

update [dbo].[CprsUsers]

```



```

set SiteName='North Texas HCS'
where SiteCode='549';

update [dbo].[CprsUsers]
set SiteName='Amarillo, TX'
where SiteCode='504';

update [dbo].[CprsUsers]
set SiteName='El Paso, TX'
where SiteCode='756';

update [dbo].[CprsUsers]
set SiteName='Albuquerque, NM'
where SiteCode='501';

update [dbo].[CprsUsers]
set SiteName='Prescott, AZ'
where SiteCode='649';

update [dbo].[CprsUsers]
set SiteName='Tucson, AZ'
where SiteCode='678';

update [dbo].[CprsUsers]
set SiteName='Big Spring, TX'
where SiteCode='519';

update [dbo].[CprsUsers]
set SiteName='Phoenix, AZ'
where SiteCode='644';

update [dbo].[CprsUsers]
set SiteName='Denver, CO (HAC)'
where SiteCode='741';

update [dbo].[CprsUsers]
set SiteName='Eastern Colorado HCS'
where SiteCode='554';

update [dbo].[CprsUsers]
set SiteName='Montana HCS'
where SiteCode='436';

update [dbo].[CprsUsers]
set SiteName='Cheyenne, WY'
where SiteCode='442';

update [dbo].[CprsUsers]
set SiteName='Grand Junction, CO'
where SiteCode='575';

update [dbo].[CprsUsers]
set SiteName='Sheridan, WY'
where SiteCode='666';

update [dbo].[CprsUsers]
set SiteName='Salt Lake City, UT'
where SiteCode='660';

update [dbo].[CprsUsers]
set SiteName='Anchorage, AK'
where SiteCode='463';

update [dbo].[CprsUsers]

```

```

set SiteName='Boise, ID'
where SiteCode='531';

update [dbo].[CprsUsers]
set SiteName='Walla Walla, WA'
where SiteCode='687';

update [dbo].[CprsUsers]
set SiteName='Portland, OR'
where SiteCode='648';

update [dbo].[CprsUsers]
set SiteName='Spokane, WA'
where SiteCode='668';

update [dbo].[CprsUsers]
set SiteName='Puget Sound HCS'
where SiteCode='663';

update [dbo].[CprsUsers]
set SiteName='Roseburg, OR'
where SiteCode='653';

update [dbo].[CprsUsers]
set SiteName='White City OR'
where SiteCode='692';

update [dbo].[CprsUsers]
set SiteName='Northern California HCS'
where SiteCode='612';

update [dbo].[CprsUsers]
set SiteName='San Francisco, CA'
where SiteCode='662';

update [dbo].[CprsUsers]
set SiteName='Fresno, CA'
where SiteCode='570';

update [dbo].[CprsUsers]
set SiteName='Honolulu, HI'
where SiteCode='459';

update [dbo].[CprsUsers]
set SiteName='Palo Alto HCS'
where SiteCode='640';

update [dbo].[CprsUsers]
set SiteName='Reno, NV'
where SiteCode='654';

update [dbo].[CprsUsers]
set SiteName='Manila, PI'
where SiteCode='358';

update [dbo].[CprsUsers]
set SiteName='West Los Angeles, CA'
where SiteCode='691';

update [dbo].[CprsUsers]
set SiteName='Loma Linda, CA'
where SiteCode='605';

update [dbo].[CprsUsers]

```

```

set SiteName='Long Beach, CA'
where SiteCode='600';

update [dbo].[CprsUsers]
set SiteName='San Diego, CA'
where SiteCode='664';

update [dbo].[CprsUsers]
set SiteName='Las Vegas, NV'
where SiteCode='593';

update [dbo].[CprsUsers]
set SiteName='Fargo, ND'
where SiteCode='437';

update [dbo].[CprsUsers]
set SiteName='Des Moines, IA'
where SiteCode='555';

update [dbo].[CprsUsers]
set SiteName='Iowa City, IA'
where SiteCode='584';

update [dbo].[CprsUsers]
set SiteName='Minneapolis, MN'
where SiteCode='618';

update [dbo].[CprsUsers]
set SiteName='Central Plains HCS'
where SiteCode='636';

update [dbo].[CprsUsers]
set SiteName='Sioux Falls, SD'
where SiteCode='438';

update [dbo].[CprsUsers]
set SiteName='St. Cloud, MN'
where SiteCode='656';

update [dbo].[CprsUsers]
set SiteName='Black Hills HCS'
where SiteCode='568';

update [dbo].[CprsUsers]
set SiteName='DoD'
where SiteCode='200';

update [dbo].[CprsUsers]
set SiteName='HDR'
where SiteCode='CDS';

update [dbo].[CprsUsers]
set SiteName='Claims System'
where SiteCode='100';
GO
SET ANSI_PADDING OFF

```

# Appendix B: VistAWeb Code Samples

## Sample HTM (Countdown.htm)

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" >
<HTML>
  <HEAD>
    <title>Countdown</title>
    <link rel="stylesheet" type="text/css"
href="resources/css/main.css"></link>
    <script LANGUAGE="JavaScript">
var now = new Date();
var event = new Date();
event.setMinutes(event.getMinutes() + 2);
var seconds = (event - now) / 1000;
var showSeconds;
ID=window.setTimeout("update();", 1000);

function update() {
  now = new Date();
  seconds = (event - now) / 1000;
  seconds = Math.round(seconds);
  if (seconds > 59) {
    showSeconds = seconds - 60;
  } else {
    showSeconds = seconds;
    document.Countdown.minutes.value = 0;
  }

  document.Countdown.seconds.value = showSeconds;
  if (seconds == 0)
    returnToCaller("Close");
  else
    ID=window.setTimeout("update();",1000);
}

function returnToCaller(option) {
  window.returnValue = option;
  window.close();
}
    </script>
    <style>
    body
    {
    margin-left: 20px;
    }
    </style>
  </HEAD>
  <body MS_POSITIONING="GridLayout">
    <table border="0" width="100%">
      <tr>
        <td></td>
        <td align="right"><IMG src="resources/images/Timeout.gif" alt="Timeout
image"></td>
      </tr>
    </table>
    <hr color="#cc0000">
    <p>
      <form name="Countdown" method="post">
        VistaWeb has not been used for 15 minutes. It will close in the
indicated time
    </p>
  </body>
</HTML>
```

```

        unless you click the "Don't Close" button...
        <p>
        <span class="hdr">Time Remaining Until VistaWeb Closes:</span><br>
        <br>
        <TABLE BORDER="5" CELLSPACING="5" CELLPADDING="0">
        <TR>
        <TD ALIGN="middle" WIDTH="23%"><B>Mins:</B></TD>
        <TD ALIGN="middle" WIDTH="23%"><B>Secs:</B></TD>
        </TR>
        <TR>
        <TD ALIGN="middle"><INPUT type="Text" name="minutes" size="2"
value="1"></TD>
        <TD ALIGN="middle"><INPUT type="Text" name="seconds" size="2"></TD>
        </TR>
        </TABLE>
        <br>
        <input type="button" class="myButton"
onclick="returnToCaller('Continue')" value="Don't close VistaWeb">
        <input type="button" class="myButton" onclick="returnToCaller('Close')"
value="Close VistaWeb">
        </form>
    </body>
</HTML>

```

## Sample ASPX Page (TextRecordPage.aspx)

```

<%@ Page language="c#" Inherits="EMR.TextRecordPage" CodeFile="TextRecordPage.aspx.cs" %>
<%@ Register TagPrefix="uc1" TagName="PrintLinkComponent" Src="PrintLinkComponent.ascx" %>
<%@ Register TagPrefix="uc1" TagName="ParamsAndQueryControl" Src="ParamsAndQueryControl.ascx" %>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" >
<HTML>
    <HEAD>
        <title></title>
        <meta name="GENERATOR" Content="Microsoft Visual Studio 7.0">
        <meta name="CODE_LANGUAGE" Content="C#">
        <meta name="vs_defaultClientScript" content="JavaScript">
        <meta name="vs_targetSchema"
content="http://schemas.microsoft.com/intellisense/ie5">
        <link href="resources/css/main.css" type="text/css" rel="stylesheet">
        <script language="javascript"
src="resources/scripts/js/functions_lib.js"></script>
        <script language="javascript" src="resources/scripts/js/JSEExtras.js"></script>
        <script language="javascript" src="resources/scripts/js/dialogWindow.js"
type="text/javascript"></script>
    </HEAD>
    <body onload="init('TextRpt', '');setBehavior();hideNavigationPopupWarning()">
        <form id="textRecordPageForm" method="post" runat="server">
            <uc1:ParamsAndQueryControl id="paramsAndQueryControl"
runat="server"></uc1:ParamsAndQueryControl>
            <asp:TextBox ID="ImageFileName" Runat="server"
CssClass="hideImageText"></asp:TextBox>
            <asp:TextBox ID="ImageFileAlt" Runat="server"
CssClass="hideImageText"></asp:TextBox><br>
            <uc1:PrintLinkComponent id="printLinkComponent"
runat="server"></uc1:PrintLinkComponent>
        </form>
        <form name="TimeoutForm" action="Timedout.aspx" target="_top">
        </form>
    </body>
</HTML>

```

## Sample Code-Behind Page (TextRecordPage.aspx.cs)

```
using System;
using System.Collections;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.SessionState;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
using System.Reflection;
using System.Security;
using gov.va.med.vistaweb.util;
using gov.va.med.vistaweb.ui;

namespace EMR
{
    public partial class TextRecordPage : AbstractFlatReport {

        protected void Page_Load(object sender, System.EventArgs e) {
            base.pageLoad(sender, e);
            propertyName = Request.QueryString["app"];
            ImageFileAlt.Text = Request.QueryString["alt"];
            ImageFileName.Text = propertyName;
            if (Request.QueryString["dr"]==null ||
!"y".Equals(Request.QueryString["dr"].ToLower())) {
                if (ParamAndQueryComponent!=null) ParamAndQueryComponent.Visible =
false;
            }
        }

        protected override IPropertyParameters getQueryParameters() {
            if (ParamAndQueryComponent!=null && !ParamAndQueryComponent.Visible) {
                return null;
            }
            return base.getQueryParameters();
        }

        protected override gov.va.med.vistaweb.ui.IParamAndQueryComponent
ParamAndQueryComponent {
            get { return paramsAndQueryControl; }
        }

        protected override gov.va.med.vistaweb.ui.IPrintLinkComponent PrintLinkComponent {
            get { return printLinkComponent; }
        }

        protected override gov.va.med.vistaweb.ui.IWaitOrCancelComponent
WaitOrCancelComponent {
            get { return null; }
        }

        #region Web Form Designer generated code
        override protected void OnInit(EventArgs e)
        {
            //
            // CODEGEN: This call is required by the ASP.NET Web Form Designer.
            //
            InitializeComponent();
            base.OnInit(e);
        }

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
    }
}

```

```
        {
            this.PreRender += new System.EventHandler(this.preRender);
        }
    #endregion
    }
}
```

## Appendix C: Security Guide

Security for VistAWeb is handled at the local VistA level and at the national VistAWeb server level. A Broker Security Enhancement (BSE) patch enables broker security, while a VistAWeb patch identifies the VistA site as a legitimate user of the national VistAWeb application.

When users log into their VistA/CPRS accounts, they are first authenticated by VistA/CPRS through the use of a valid access and verify code pair. Then when the users launch VistAWeb, VistAWeb verifies that the user is an authenticated user by sending an authentication message to the VistA system via the broker. In the standalone mode of operation, the users direct their Internet Explorer browsers to the VistAWeb Home Page. When they select and log into their local site or one of the sites to which they have been granted access through the Special User Access program, VistA user verification occurs and then the VistAWeb site authentication and notification process takes place.

Apart from having installed the necessary patches for BSE and VistAWeb, nothing is required from the local Information Resource Management (IRM) staff or Information Security Officer (ISO).



## Appendix D: Configurable Items

The use of the Spring Framework enables a number of items to be configurable in VistAWeb. They are listed below in no particular order. If you change any of these parameters, they will only take effect after a restart of the web server (the IIS service).

### 1. VistA Connection Parameters

In the `resources/contexts/connectionContext.xml` file there are several parameters that can be adjusted.

**Note:** Version 12 introduced a new VistA connection class called *VistaConnection2*, which is compatible with Broker Patch XWB\*1.1\*35 (see the [Compatibility With Patch XWB\\*1.1\\*35](#) section of this document). Version 12 also added a VistA connection fallback façade, which allows a specified VistA connection class to be tried, and then to fallback to a different connection class if the first one fails. Thus, all VistA connections in version 12 are setup to attempt to connect with the *VistaConnection2* class first, then the system resorts to the *VistaConnection* class if that fails.

- a. Connection Try Limit – limits how many times a connection failure will be tolerated before throwing an error. Change the `connectionTryLimit` in `abstractVistaConnection` for the affect all VistA connections, or change it in `abstractVistaConnection1` to only affect *VistaConnection* class instances.
- b. Initial Timeout – how many milliseconds to wait for the TCP connection open to complete successfully (the TCP/IP SYN – SYN/ACK handshake sequence). Changing `initialTimeout` in `abstractVistaConnection1` changes how the *VistaConnection* class behaves and changing `initialTimeout` in `abstractVistaConnection2` changes how the *VistaConnection2* class behaves.
- c. Timeout – how long to wait for a response from VistA on an RPC call before throwing an error. Changing `timeout` in `abstractVistaConnection1` changes how the *VistaConnection* class behaves and changing `timeout` in `abstractVistaConnection2` changes how the *VistaConnection2* class behaves.
- d. “Pinging” – refers to the *VistaConnection2* class’s behavior in regards to calling the “XWB IM HERE” RPC. This RPC is only used for *VistaConnection2* connections. In the `abstractVistaConnection2` entry, you can change the following items:
  - i. IsUsingLocalPingInterval
    1. If set to “true” will try to get the VistA connection timeout value from a call to the “XWB GET BROKER INFO” RPC. If the RPC succeeds, then the “XWB IM HERE” RPC will be called in half

the time indicated if there is no activity on the connection. For example: if the “XWB GET BROKER INFO” RPC returns 180, then the connection will call the “XWB IM HERE” RPC every 90 seconds if no other RPC has been called during that time. If the “XWB GET BROKER INFO” RPC fails, then the value in *DefaultPingIntervalSecs* will be used as the interval.

2. If set to “false”, will always use the interval in *DefaultPingIntervalSecs*
- ii. DefaultPingIntervalSecs – the interval to wait for connection activity before the “XWB IM HERE” RPC is called.

**NOTE:** If *IsUsingLocalPingInterval* is set to “false” and *DefaultPingIntervalSecs* set to 0 or less, the “XWB IM HERE” RPC will never be used or called.

- iii. MaxPingMinutes – the number of minutes that “pinging” will function before quitting. *It is always important to set this to a value or some abandoned VistA connections may never get closed if “pinging” is used!*
- e. Socket Linger – the wait time for a connection being closed. Change the *socketLinger* to the number of seconds the execution thread will wait for a connection being closed. Normally this is set to 0.

## 2. VistA Behavior

In the `resources/contexts/daoContext.xml` file there are several parameters that can be adjusted:

- a. VistA Connection – which VistA connection object to use. If you wish to disable the fallback façade and use either *VistaConnection* (older style broker connections) or *VistaConnection2* (newer style broker connections) for all VistA connections, you can change the *vistaConnection* value in *protocol\_VISTA* to “*vistaConnection*” or “*vistaConnection2*”, respectively.
- b. Site ID Ignore List – configuration parameters to ignore certain entries from the MPI. The following properties are applied in the order given here:
  - i. SiteIdIgnoreList – which station numbers to ignore. If the value begins with an “at” symbol (@), then anything that follows that symbol will be matched as a regular expression and ignored if matched. Otherwise, entries with that exact station number will be ignored.
  - ii. remoteExcludeTypes – the type of MPI entries to ignore. Currently VistAWeb ignores entries with type “other”.

- iii. remoteKeepPatterns – a list station numbers, where if matched, will be kept no matter what the prior 2 sections has excluded. The station numbers are matched using a *starting* match. For example, if this field specified “200N”, any station number starting with “200N” would be matched and kept (such as 200NKP, 200NDOD, etc).
    - c. Check Details Message – the message that gets displayed in the grid for certain reports if there is an error.
    - d. MPI Error Tolerance – error tolerance can be turned off or on, and if turned on, you can specify what errors to ignore
      - i. IsMpiErrorTolerant – set “true” to ignore all errors, “false” to only ignore errors specified in the “toleratedMpiErrors” property
      - ii. toleratedMpiErrors – the exact error text from VistA to match to ignore. If any other error text is found, then VistAWeb will display an error to the user.
    - e. contextString – the default menu context to use for every user for all VistA connections. However, if a *permission* attribute is set for a VistA site in the sites file (*VhaSites.xml*), the *permission* attribute is used instead. In the case of remote VistA systems, this same menu option will need to be specified in the REMOTE APPLICATION file (see the BSE documentation for details).
3. Usage Stats
  - a. In the *resources/context/daoContext.xml* file, in the *statsDao* object, you can change the following setting which will affect how VistAWeb reports usage statistics:
    - i. *SqlGlobalStats*: you can specify which pages to exclude for the global statistics
    - ii. *SqlSiteStats*: you can specify which pages to exclude for the site statistics
4. Removing Reports From the Reports Menu
  - a. In the *resources/context/mainContext.xml* file, in the object with attribute *type="TreeTOC.aspx"*, you can comment out any report or sections you don't want to make available to the users.
5. Application Storage
  - a. In the *resources/context/mainContext.xml* file, in the *appStorage\_connectionFactory* object, you can define what kind of database that VistAWeb uses as its backing data store. Read the notes in this file for instructions on configurations.

## 6. Report Changes

- a. In the `resources/context/pageContext.xml` file, you can specify how a grid column behaves.
  - i. `defaultSortedColumnIndex`: the column which is the default sorted column (0 based indexing)
  - ii. `sortExpression`: the column(s) used for sorting that particular column when the user selects that column to be sorted. You must use the column property names, separated by a comma. You may optionally specify ascending (with the **asc** keyword) or descending (with the **desc** keyword). Read through the `pageContext.xml` file for examples.
  - iii. `headerTitle`: these attributes contain what is displayed as the column header text
- b. In the `resources/context/pageContext.xml` file, you can remove columns from grid reports
  - i. Anywhere you see an element with an attribute like `type="gov.va.med.vistaweb.ui.grid.GridColumn,emr.cs"`, you can comment out this element and the column will no longer show up in the report.

## 7. CDS 2 / HDR 2

- a. CDS 2 is the interface to the HDR 2 data source. The configuration file for this data source is called `resources/xml/caipConfig_production.xml`. Parameters like “siteName”, “application”, and “NDSconnection/URL” can be specified with this file.
- b. The files in the `resources/xml/xsl/cds` folder are the schema files for the data retrieved from CDS 2.1.\*.



Resource Device  
I/O Port 0x00000000-0x00000CF7 PCI bus  
I/O Port 0x00000000-0x00000CF7 Direct memory access controller

I/O Port 0x000002F8-0x000002FF Motherboard resources  
I/O Port 0x000002F8-0x000002FF Communications Port (COM2)

IRQ 22 HP iLO Management Channel Interface Driver  
IRQ 22 Standard Universal PCI to USB Host Controller

IRQ 23 Intel(R) 82801EB USB2 Enhanced Host Controller - 24DD  
IRQ 23 ATI ES1000

Memory Address 0xF6000000-0xFBFFFFFF PCI standard PCI-to-PCI bridge  
Memory Address 0xF6000000-0xFBFFFFFF Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329  
Memory Address 0xF6000000-0xFBFFFFFF HP NC371i Virtual Bus Device

IRQ 16 Smart Array P400 Controller  
IRQ 16 Intel(R) 82801EB USB Universal Host Controller - 24D2  
IRQ 16 Intel(R) 82801EB USB Universal Host Controller - 24DE

I/O Port 0x00005000-0x00005FFF PCI standard PCI-to-PCI bridge  
I/O Port 0x00005000-0x00005FFF Smart Array P400 Controller

Memory Address 0xD0000000-0xFEBFFFFFF PCI bus  
Memory Address 0xD0000000-0xFEBFFFFFF Motherboard resources

Memory Address 0xA0000-0xBFFFF PCI bus  
Memory Address 0xA0000-0xBFFFF ATI ES1000

Memory Address 0xFA000000-0xFBFFFFFF Intel(R) 6700PXH PCI Express-to-PCI Bridge B - 032A  
Memory Address 0xFA000000-0xFBFFFFFF HP NC371i Virtual Bus Device

I/O Port 0x00004000-0x00004FFF PCI standard PCI-to-PCI bridge  
I/O Port 0x00004000-0x00004FFF Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329

[DMA]

Resource Device Status  
Channel 7 Direct memory access controller OK  
Channel 0 Printer Port (LPT1) OK  
Channel 2 Standard floppy disk controller OK

[Forced Hardware]

Device PNP\_Device\_ID

[I/O]

Resource Device Status  
0x00000000-0x00000CF7 PCI bus OK  
0x00000000-0x00000CF7 Direct memory access controller OK  
0x00000D00-0x0000FFFF PCI bus OK

0x00004000-0x00004FFF	PCI standard PCI-to-PCI bridge	OK	
0x00004000-0x00004FFF	Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329	OK	
0x00005000-0x00005FFF	PCI standard PCI-to-PCI bridge	OK	
0x00005000-0x00005FFF	Smart Array P400 Controller	OK	
0x00001000-0x0000101F	Intel(R) 82801EB USB Universal Host Controller - 24D2	OK	
0x00001020-0x0000103F	Intel(R) 82801EB USB Universal Host Controller - 24D4	OK	
0x00001040-0x0000105F	Intel(R) 82801EB USB Universal Host Controller - 24D7	OK	
0x00001060-0x0000107F	Intel(R) 82801EB USB Universal Host Controller - 24DE	OK	
0x00003000-0x000030FF	ATI ES1000	OK	
0x000003B0-0x000003BB	ATI ES1000	OK	
0x000003C0-0x000003DF	ATI ES1000	OK	
0x00002800-0x000028FF	HP ProLiant iLO2 Advanced System Management Controller		OK
0x00003400-0x000034FF	HP iLO Management Channel Interface Driver	OK	
0x00003800-0x0000381F	Standard Universal PCI to USB Host Controller	OK	
0x00000A79-0x00000A79	ISAPNP Read Data Port	OK	
0x00000279-0x00000279	ISAPNP Read Data Port	OK	
0x00000274-0x00000277	ISAPNP Read Data Port	OK	
0x00000070-0x00000077	Motherboard resources	OK	
0x00000408-0x0000040F	Motherboard resources	OK	
0x000004D0-0x000004D1	Motherboard resources	OK	
0x00000020-0x0000003F	Motherboard resources	OK	
0x000000A0-0x000000BF	Motherboard resources	OK	
0x00000090-0x0000009F	Motherboard resources	OK	
0x00000050-0x00000053	Motherboard resources	OK	
0x00000700-0x0000071F	Motherboard resources	OK	
0x00000800-0x0000083F	Motherboard resources	OK	
0x00000900-0x0000097F	Motherboard resources	OK	
0x00000010-0x0000001F	Motherboard resources	OK	
0x00000C80-0x00000C83	Motherboard resources	OK	
0x00000CD4-0x00000CD7	Motherboard resources	OK	
0x00000F50-0x00000F58	Motherboard resources	OK	
0x000002F8-0x000002FF	Motherboard resources	OK	
0x000002F8-0x000002FF	Communications Port (COM2)	OK	
0x00000040-0x00000043	System timer	OK	
0x00000080-0x0000008F	Direct memory access controller	OK	
0x000000C0-0x000000DF	Direct memory access controller	OK	
0x00000061-0x00000061	System speaker	OK	
0x00000060-0x00000060	Standard 101/102-Key or Microsoft Natural PS/2 Keyboard		OK
0x00000064-0x00000064	Standard 101/102-Key or Microsoft Natural PS/2 Keyboard		OK
0x0000002E-0x0000002F	Extended IO Bus	OK	
0x0000004E-0x0000004F	Extended IO Bus	OK	
0x00000220-0x0000025F	Extended IO Bus	OK	
0x00000280-0x0000029F	Extended IO Bus	OK	
0x00000378-0x0000037F	Printer Port (LPT1)	OK	
0x00000778-0x0000077D	Printer Port (LPT1)	OK	
0x000003F8-0x000003FF	Communications Port (COM1)	OK	
0x000003F2-0x000003F5	Standard floppy disk controller	OK	
0x000003F7-0x000003F7	Standard floppy disk controller	OK	
0x00000500-0x0000050F	Intel(R) 82801EB Ultra ATA Storage Controllers - 24DB	OK	
0x000001F0-0x000001F7	Primary IDE Channel	OK	
0x000003F6-0x000003F6	Primary IDE Channel	OK	
0x00000170-0x00000177	Secondary IDE Channel	OK	
0x00000376-0x00000376	Secondary IDE Channel	OK	

[IRQs]

Resource	Device	Status
IRQ 9	Microsoft ACPI-Compliant System	OK
IRQ 25	Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver	OK
IRQ 30	Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver	OK
IRQ 31	HP NC371i Virtual Bus Device	OK
IRQ 55	HP NC371i Virtual Bus Device	OK
IRQ 16	Smart Array P400 Controller	OK
IRQ 16	Intel(R) 82801EB USB Universal Host Controller - 24D2	OK
IRQ 16	Intel(R) 82801EB USB Universal Host Controller - 24DE	OK
IRQ 19	Intel(R) 82801EB USB Universal Host Controller - 24D4	OK
IRQ 18	Intel(R) 82801EB USB Universal Host Controller - 24D7	OK
IRQ 23	Intel(R) 82801EB USB2 Enhanced Host Controller - 24DD	OK
IRQ 23	ATI ES1000	OK
IRQ 21	HP ProLiant iLO2 Advanced System Management Controller	OK
IRQ 22	HP iLO Management Channel Interface Driver	OK
IRQ 22	Standard Universal PCI to USB Host Controller	OK
IRQ 0	System timer	OK
IRQ 1	Standard 101/102-Key or Microsoft Natural PS/2 Keyboard	OK
IRQ 12	PS/2 Compatible Mouse	OK
IRQ 4	Communications Port (COM1)	OK
IRQ 6	Standard floppy disk controller	OK
IRQ 14	Primary IDE Channel	OK
IRQ 15	Secondary IDE Channel	OK
IRQ 3	Communications Port (COM2)	OK

[Memory]

Resource	Device	Status
0xA0000-0xBFFFF	PCI bus	OK
0xA0000-0xBFFFF	ATI ES1000	OK
0xD0000000-0xFEBFFFFF	PCI bus	OK
0xD0000000-0xFEBFFFFF	Motherboard resources	OK
0xF6000000-0xFBFFFFFFF	PCI standard PCI-to-PCI bridge	OK
0xF6000000-0xFBFFFFFFF	Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329	OK
0xF6000000-0xFBFFFFFFF	HP NC371i Virtual Bus Device	OK
0xF9FF0000-0xF9FF0FFF	Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver	OK
0xF9FE0000-0xF9FE0FFF	Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver	OK
0xF9FD0000-0xF9FD0FFF	Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver	OK
0xF9FC0000-0xF9FC0FFF	Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver	OK
0xFA000000-0xFBFFFFFFF	Intel(R) 6700PXH PCI Express-to-PCI Bridge B - 032A	OK
0xFA000000-0xFBFFFFFFF	HP NC371i Virtual Bus Device	OK
0xFDE00000-0xFDFFFFFFFF	PCI standard PCI-to-PCI bridge	OK
0xFDF00000-0xFDFFFFFFFF	Smart Array P400 Controller	OK
0xFDEF0000-0xFDEF0FFF	Smart Array P400 Controller	OK
0xF5EF0000-0xF5EF03FF	Intel(R) 82801EB USB2 Enhanced Host Controller - 24DD	OK
0xE8000000-0xEFFFFFFF	ATI ES1000	OK
0xF5FF0000-0xF5FFFFFFF	ATI ES1000	OK
0xF5FE0000-0xF5FE01FF	HP ProLiant iLO2 Advanced System Management Controller	OK
0xF5FD0000-0xF5FD07FF	HP iLO Management Channel Interface Driver	OK
0xF5FC0000-0xF5FC1FFF	HP iLO Management Channel Interface Driver	OK
0xF5F00000-0xF5F7FFFF	HP iLO Management Channel Interface Driver	OK
0xFE60C000-0xFE60FFFF	Motherboard resources	OK
0xFEBFFC00-0xFEBFFFFFFF	Intel(R) 82801EB Ultra ATA Storage Controllers - 24DB	OK

[Components]



[Multimedia]

[Audio Codecs]

CODEC	Manufacturer	Description	Status	File	Version	Size	Creation_Date
c:\windows\system32\msg711.acm	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSG711.ACM		5.2.3790.0 (srv03_rtm.030324-2048)		10.00 KB (10,240 bytes)	11/30/2005 7:00 AM
c:\windows\system32\imaadp32.acm	Microsoft Corporation		OK				
		C:\WINDOWS\system32\IMAADP32.ACM		5.2.3790.0 (srv03_rtm.030324-2048)		15.50 KB (15,872 bytes)	11/30/2005 7:00 AM
c:\windows\system32\sl_anet.acm	Sipro Lab Telecom Inc.	Sipro Lab Telecom Audio Codec	OK				
		C:\WINDOWS\system32\SL_ANET.ACM		3.02		84.00 KB (86,016 bytes)	11/30/2005 7:00 AM
c:\windows\system32\msgsm32.acm	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSGSM32.ACM		5.2.3790.0 (srv03_rtm.030324-2048)		20.50 KB (20,992 bytes)	11/30/2005 7:00 AM
c:\windows\system32\msadp32.acm	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSADP32.ACM		5.2.3790.0 (srv03_rtm.030324-2048)		14.50 KB (14,848 bytes)	11/30/2005 7:00 AM
c:\windows\system32\tssoft32.acm	DSP GROUP, INC.		OK				
		C:\WINDOWS\system32\TSSOFT32.ACM		1.01		9.50 KB (9,728 bytes)	11/30/2005 7:00 AM
c:\windows\system32\l3codeca.acm	Fraunhofer Institut Integrierte Schaltungen IIS	Fraunhofer IIS MPEG Layer-3 Codec	OK				
		C:\WINDOWS\system32\L3CODECA.ACM				1, 9, 0, 0305 284.00 KB (290,816 bytes)	11/30/2005 7:00 AM
c:\windows\system32\msg723.acm	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSG723.ACM		5.2.3790.3959		120.00 KB (122,880 bytes)	12/11/2007 5:14 PM
c:\windows\system32\msaud32.acm	Microsoft Corporation	Windows Media Audio Codec	OK				
		C:\WINDOWS\system32\MSAUD32.ACM		8.00.00.4487		288.00 KB (294,912 bytes)	11/30/2005 7:00 AM

[Video Codecs]

CODEC	Manufacturer	Description	Status	File	Version	Size	Creation_Date
c:\windows\system32\tsbyuv.dll	Microsoft Corporation		OK				
		C:\WINDOWS\system32\TSBYUV.DLL		5.2.3790.0 (srv03_rtm.030324-2048)		8.00 KB (8,192 bytes)	3/24/2003 9:50 PM
c:\windows\system32\iyuv_32.dll	Microsoft Corporation		OK				
		C:\WINDOWS\system32\IYUV_32.DLL		5.2.3790.3959 (srv03_sp2_rtm.070216-1710)		46.50 KB (47,616 bytes)	3/24/2005 2:05 PM
c:\windows\system32\msrle32.dll	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSRLE32.DLL		5.2.3790.0 (srv03_rtm.030324-2048)		10.50 KB (10,752 bytes)	11/30/2005 7:00 AM
c:\windows\system32\msh261.drv	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSH261.DRV		5.2.3790.3959		184.00 KB (188,416 bytes)	12/11/2007 5:14 PM
c:\windows\system32\msh263.drv	Microsoft Corporation		OK				
		C:\WINDOWS\system32\MSH263.DRV		5.2.3790.3959		288.00 KB (294,912 bytes)	3/24/2005 2:07 PM

c:\windows\system32\msvidc32.dll Microsoft Corporation OK  
 C:\WINDOWS\system32\MSVIDC32.DLL 5.2.3790.0 (srv03\_rtm.030324-2048) 26.50  
 KB (27,136 bytes) 11/30/2005 7:00 AM  
 c:\windows\system32\msyuv.dll Microsoft Corporation OK  
 C:\WINDOWS\system32\MSYUV.DLL 5.2.3790.0 (srv03\_rtm.030324-2048) 16.50 KB  
 (16,896 bytes) 3/24/2003 9:49 PM

[CD-ROM]

Item Value  
 Drive D:  
 Description CD-ROM Drive  
 Media Loaded No  
 Media Type CD-ROM  
 Name TEAC DW-224E-V  
 Manufacturer (Standard CD-ROM drives)  
 Status OK  
 Transfer Rate Not Available  
 SCSI Target ID 0  
 PNP Device ID IDE\CDROMTEAC\_DW-224E-  
 V\_\_\_\_\_C.CA\_\5&33D30D07&0&0.0.0  
 Driver c:\windows\system32\drivers\cdrom.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710),  
 51.00 KB (52,224 bytes), 11/30/2005 7:00 AM)

[Sound Device]

Item Value

[Display]

Item Value  
 Name ATI ES1000  
 PNP Device ID  
 PCI\VEN\_1002&DEV\_515E&SUBSYS\_31FB103C&REV\_02\4&3A321F38&0&18F0  
 Adapter Type ATI ES1000 (0x515E), ATI Technologies Inc. compatible  
 Adapter Description ATI ES1000  
 Adapter RAM 32.00 MB (33,554,432 bytes)  
 Installed Drivers ati2dvag.dll  
 Driver Version 6.14.10.6606  
 INF File oem5.inf (ati2mtag\_RN50 section)  
 Color Planes 1  
 Color Table Entries 4294967296  
 Resolution 1024 x 768 x 60 hertz  
 Bits/Pixel 32  
 Memory Address 0xE8000000-0xEFFFFFFF  
 I/O Port 0x00003000-0x000030FF  
 Memory Address 0xF5FF0000-0xF5FFFFFF  
 IRQ Channel IRQ 23  
 I/O Port 0x000003B0-0x000003BB  
 I/O Port 0x000003C0-0x000003DF  
 Memory Address 0xA0000-0xBFFFF  
 Driver c:\windows\system32\drivers\ati2mtag.sys (6.14.10.6606, 1.36 MB (1,431,040 bytes),  
 12/11/2007 5:41 PM)

[Infrared]

Item Value

[Input]

[Keyboard]

Item Value

Description USB Human Interface Device  
Name Enhanced (101- or 102-key)  
Layout 00000409  
PNP Device ID USB\VID\_03F0&PID\_1027&MI\_00\7&12CAF17&0&0000  
Number of Function Keys 12  
Driver c:\windows\system32\drivers\hidusb.sys (5.2.3790.0 (srv03\_rtm.030324-2048), 11.50 KB (11,776 bytes), 11/30/2005 7:00 AM)

Description Standard 101/102-Key or Microsoft Natural PS/2 Keyboard  
Name Enhanced (101- or 102-key)  
Layout 00000409  
PNP Device ID ACPI\PNP0303\4&369939D9&0  
Number of Function Keys 12  
I/O Port 0x00000060-0x00000060  
I/O Port 0x00000064-0x00000064  
IRQ Channel IRQ 1  
Driver c:\windows\system32\drivers\i8042prt.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 54.50 KB (55,808 bytes), 11/30/2005 7:00 AM)

[Pointing Device]

Item Value

Hardware Type USB Human Interface Device  
Number of Buttons 5  
Status OK  
PNP Device ID USB\VID\_03F0&PID\_1027&MI\_01\7&12CAF17&0&0001  
Power Management Supported No  
Double Click Threshold 0  
Handedness Right Handed Operation  
Driver c:\windows\system32\drivers\hidusb.sys (5.2.3790.0 (srv03\_rtm.030324-2048), 11.50 KB (11,776 bytes), 11/30/2005 7:00 AM)

Hardware Type PS/2 Compatible Mouse  
Number of Buttons 5  
Status OK  
PNP Device ID ACPI\PNP0F13\4&369939D9&0  
Power Management Supported No  
Double Click Threshold 0  
Handedness Right Handed Operation  
IRQ Channel IRQ 12  
Driver c:\windows\system32\drivers\i8042prt.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 54.50 KB (55,808 bytes), 11/30/2005 7:00 AM)

[Modem]

Item Value

[Network]

[Adapter]

Item Value

Name [00000001] RAS Async Adapter

Adapter Type Not Available

Product Type RAS Async Adapter

Installed Yes

PNP Device ID Not Available

Last Reset 7/14/2008 11:04 AM

Index 1

Service Name AsyncMac

IP Address Not Available

IP Subnet Not Available

Default IP Gateway Not Available

DHCP Enabled No

DHCP Server Not Available

DHCP Lease Expires Not Available

DHCP Lease Obtained Not Available

MAC Address Not Available

Name [00000002] WAN Miniport (L2TP)

Adapter Type Not Available

Product Type WAN Miniport (L2TP)

Installed Yes

PNP Device ID ROOTMS\_L2TPMINIPORT\0000

Last Reset 7/14/2008 11:04 AM

Index 2

Service Name Rasl2tp

IP Address Not Available

IP Subnet Not Available

Default IP Gateway Not Available

DHCP Enabled No

DHCP Server Not Available

DHCP Lease Expires Not Available

DHCP Lease Obtained Not Available

MAC Address Not Available

Driver c:\windows\system32\drivers\rasl2tp.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 64.00 KB (65,536 bytes), 11/30/2005 7:00 AM)

Name [00000003] WAN Miniport (PPTP)

Adapter Type Wide Area Network (WAN)

Product Type WAN Miniport (PPTP)

Installed Yes

PNP Device ID ROOTMS\_PPTPMINIPORT\0000

Last Reset 7/14/2008 11:04 AM

Index 3

Service Name PptpMiniport

IP Address Not Available

IP Subnet Not Available

Default IP Gateway Not Available  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address 50:50:54:50:30:30  
Driver c:\windows\system32\drivers\raspppt.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 58.50 KB (59,904 bytes), 11/30/2005 7:00 AM)

Name [00000004] WAN Miniport (PPPOE)  
Adapter Type Wide Area Network (WAN)  
Product Type WAN Miniport (PPPOE)  
Installed Yes  
PNP Device ID ROOT\MS\_PPPOEMINIPOINT\0000  
Last Reset 7/14/2008 11:04 AM  
Index 4  
Service Name RasPppoe  
IP Address Not Available  
IP Subnet Not Available  
Default IP Gateway Not Available  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address 33:50:6F:45:30:30  
Driver c:\windows\system32\drivers\raspppoe.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 40.00 KB (40,960 bytes), 11/30/2005 7:00 AM)

Name [00000005] Direct Parallel  
Adapter Type Not Available  
Product Type Direct Parallel  
Installed Yes  
PNP Device ID ROOT\MS\_PTIMINIPOINT\0000  
Last Reset 7/14/2008 11:04 AM  
Index 5  
Service Name Raspti  
IP Address Not Available  
IP Subnet Not Available  
Default IP Gateway Not Available  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address Not Available  
Driver c:\windows\system32\drivers\raspti.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 19.50 KB (19,968 bytes), 11/30/2005 7:00 AM)

Name [00000006] WAN Miniport (IP)  
Adapter Type Not Available  
Product Type WAN Miniport (IP)  
Installed Yes  
PNP Device ID ROOT\MS\_NDISWANIP\0000  
Last Reset 7/14/2008 11:04 AM  
Index 6  
Service Name NdisWan  
IP Address Not Available

IP Subnet Not Available  
Default IP Gateway Not Available  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address Not Available  
Driver c:\windows\system32\drivers\ndiswan.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 87.50 KB (89,600 bytes), 11/30/2005 7:00 AM)

Name [00000007] HP NC371i Multifunction Gigabit Server Adapter  
Adapter Type Ethernet 802.3  
Product Type HP NC371i Multifunction Gigabit Server Adapter  
Installed Yes  
PNP Device ID  
B06BDR\VL2ND&PCI\_164A14E4&SUBSYS\_1709103C&REV\_02\6&39A52BEF&0&20050303  
Last Reset 7/14/2008 11:04 AM  
Index 7  
Service Name l2nd  
IP Address 10.208.5.30, 10.208.5.39, 10.208.5.41, 10.208.5.31  
IP Subnet 255.255.255.0, 255.255.255.0, 255.255.255.0, 255.255.255.0  
Default IP Gateway 10.208.5.254  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address 00:1B:78:BE:C6:EE  
Driver c:\windows\system32\drivers\bxnd52x.sys (3.4.10.0 built by: WinDDK, 49.00 KB (50,176 bytes), 12/11/2007 5:42 PM)

Name [00000008] HP NC371i Multifunction Gigabit Server Adapter  
Adapter Type Ethernet 802.3  
Product Type HP NC371i Multifunction Gigabit Server Adapter  
Installed Yes  
PNP Device ID  
B06BDR\VL2ND&PCI\_164A14E4&SUBSYS\_1709103C&REV\_02\6&2ACCEB87&0&20050703  
Last Reset 7/14/2008 11:04 AM  
Index 8  
Service Name l2nd  
IP Address 192.168.10.1  
IP Subnet 255.255.255.0  
Default IP Gateway Not Available  
DHCP Enabled No  
DHCP Server Not Available  
DHCP Lease Expires Not Available  
DHCP Lease Obtained Not Available  
MAC Address 00:1B:78:BE:C6:EC  
Driver c:\windows\system32\drivers\bxnd52x.sys (3.4.10.0 built by: WinDDK, 49.00 KB (50,176 bytes), 12/11/2007 5:42 PM)

[Protocol]

Item	Value
Name	MSAFD Tcpi [TCP/IP]
Connectionless Service	No
Guarantees Delivery	Yes

Guarantees Sequencing	Yes
Maximum Address Size	16 bytes
Maximum Message Size	0 bytes
Message Oriented	No
Minimum Address Size	16 bytes
Pseudo Stream Oriented	No
Supports Broadcasting	No
Supports Connect Data	No
Supports Disconnect Data	No
Supports Encryption	No
Supports Expedited Data	Yes
Supports Graceful Closing	Yes
Supports Guaranteed Bandwidth	No
Supports Multicasting	No

Name MSAFD Tcpi [UDP/IP]

Connectionless Service	Yes
Guarantees Delivery	No
Guarantees Sequencing	No
Maximum Address Size	16 bytes
Maximum Message Size	63.93 KB (65,467 bytes)
Message Oriented	Yes
Minimum Address Size	16 bytes
Pseudo Stream Oriented	No
Supports Broadcasting	Yes
Supports Connect Data	No
Supports Disconnect Data	No
Supports Encryption	No
Supports Expedited Data	No
Supports Graceful Closing	No
Supports Guaranteed Bandwidth	No
Supports Multicasting	Yes

Name RSVP UDP Service Provider

Connectionless Service	Yes
Guarantees Delivery	No
Guarantees Sequencing	No
Maximum Address Size	16 bytes
Maximum Message Size	63.93 KB (65,467 bytes)
Message Oriented	Yes
Minimum Address Size	16 bytes
Pseudo Stream Oriented	No
Supports Broadcasting	Yes
Supports Connect Data	No
Supports Disconnect Data	No
Supports Encryption	Yes
Supports Expedited Data	No
Supports Graceful Closing	No
Supports Guaranteed Bandwidth	No
Supports Multicasting	Yes

Name RSVP TCP Service Provider

Connectionless Service	No
Guarantees Delivery	Yes
Guarantees Sequencing	Yes
Maximum Address Size	16 bytes

Maximum Message Size 0 bytes  
 Message Oriented No  
 Minimum Address Size 16 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting No  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption Yes  
 Supports Expedited Data Yes  
 Supports Graceful Closing Yes  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{17F806F5-0848-4336-A49C-9D0CE5093EEE}]

SEQPACKET 0

Connectionless Service No  
 Guarantees Delivery Yes  
 Guarantees Sequencing Yes  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting No  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{17F806F5-0848-4336-A49C-9D0CE5093EEE}]

DATAGRAM 0

Connectionless Service Yes  
 Guarantees Delivery No  
 Guarantees Sequencing No  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting Yes  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{62E68C8D-D356-487A-BB9D-F228CEC2295D}] SEQPACKET 3

Connectionless Service No  
 Guarantees Delivery Yes  
 Guarantees Sequencing Yes



Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting No  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{62E68C8D-D356-487A-BB9D-F228CEC2295D}] DATAGRAM 3

Connectionless Service Yes  
 Guarantees Delivery No  
 Guarantees Sequencing No  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting Yes  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{D0218B67-B826-4FFF-9BEB-078BBCDCE77C}] SEQPACKET 1

Connectionless Service No  
 Guarantees Delivery Yes  
 Guarantees Sequencing Yes  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting No  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{D0218B67-B826-4FFF-9BEB-078BBCDCE77C}] DATAGRAM 1

Connectionless Service Yes  
 Guarantees Delivery No

Guarantees Sequencing No  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting Yes  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{1BA9F3A2-B338-4F23-B547-885EECD4225D}] SEQPACKET 2

Connectionless Service No  
 Guarantees Delivery Yes  
 Guarantees Sequencing Yes  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting No  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

Name MSAFD NetBIOS [\Device\NetBT\_Tcpip\_{1BA9F3A2-B338-4F23-B547-885EECD4225D}] DATAGRAM 2

Connectionless Service Yes  
 Guarantees Delivery No  
 Guarantees Sequencing No  
 Maximum Address Size 20 bytes  
 Maximum Message Size 62.50 KB (64,000 bytes)  
 Message Oriented Yes  
 Minimum Address Size 20 bytes  
 Pseudo Stream Oriented No  
 Supports Broadcasting Yes  
 Supports Connect Data No  
 Supports Disconnect Data No  
 Supports Encryption No  
 Supports Expedited Data No  
 Supports Graceful Closing No  
 Supports Guaranteed Bandwidth No  
 Supports Multicasting No

[WinSock]

Item Value

File c:\windows\system32\winsock.dll  
Size 2.80 KB (2,864 bytes)  
Version 3.10

File c:\windows\system32\wsock32.dll  
Size 22.00 KB (22,528 bytes)  
Version 5.2.3790.0 (srv03\_rtm.030324-2048)

[Ports]

[Serial]

Item	Value
Name	Communications Port (COM2)
Status	OK
PNP Device ID	ROOT\*PNP0501\1_0_17_1_0_0
Maximum Input Buffer Size	0
Maximum Output Buffer Size	No
Settable Baud Rate	Yes
Settable Data Bits	Yes
Settable Flow Control	Yes
Settable Parity	Yes
Settable Parity Check	Yes
Settable Stop Bits	Yes
Settable RLSD	Yes
Supports RLSD	Yes
Supports 16 Bit Mode	No
Supports Special Characters	No
Baud Rate	9600
Bits/Byte	8
Stop Bits	1
Parity	None
Busy	No
Abort Read/Write on Error	No
Binary Mode Enabled	Yes
Continue XMit on XOff	No
CTS Outflow Control	No
Discard NULL Bytes	No
DSR Outflow Control	0
DSR Sensitivity	0
DTR Flow Control Type	Enable
EOF Character	0
Error Replace Character	0
Error Replacement Enabled	No
Event Character	0
Parity Check Enabled	No
RTS Flow Control Type	Enable
XOff Character	19
XOffXMit Threshold	512
XOn Character	17
XOnXMit Threshold	2048
XOnXOff InFlow Control	0
XOnXOff OutFlow Control	0
I/O Port	0x000002F8-0x000002FF

IRQ Channel        IRQ 3  
Driver        c:\windows\system32\drivers\serial.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710),  
64.00 KB (65,536 bytes), 11/30/2005 7:00 AM)

Name        Communications Port (COM1)  
Status        OK  
PNP Device ID        ACPI\PNP0501\0  
Maximum Input Buffer Size 0  
Maximum Output Buffer Size        No  
Settable Baud Rate Yes  
Settable Data Bits    Yes  
Settable Flow Control        Yes  
Settable Parity        Yes  
Settable Parity Check        Yes  
Settable Stop Bits    Yes  
Settable RLSD        Yes  
Supports RLSD        Yes  
Supports 16 Bit Mode        No  
Supports Special Characters        No  
Baud Rate 9600  
Bits/Byte 8  
Stop Bits 1  
Parity None  
Busy No  
Abort Read/Write on Error No  
Binary Mode Enabled Yes  
Continue XMit on XOff No  
CTS Outflow Control No  
Discard NULL Bytes No  
DSR Outflow Control 0  
DSR Sensitivity 0  
DTR Flow Control Type Enable  
EOF Character 0  
Error Replace Character 0  
Error Replacement Enabled No  
Event Character 0  
Parity Check Enabled No  
RTS Flow Control Type Enable  
XOff Character 19  
XOffXMit Threshold 512  
XOn Character 17  
XOnXMit Threshold 2048  
XOnXOff InFlow Control 0  
XOnXOff OutFlow Control 0  
IRQ Channel        IRQ 4  
I/O Port        0x000003F8-0x000003FF  
Driver        c:\windows\system32\drivers\serial.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710),  
64.00 KB (65,536 bytes), 11/30/2005 7:00 AM)

[Parallel]

Item        Value  
Name        LPT1  
PNP Device ID        ACPI\PNP0400\5&A5A94E2&0  
DMA Channel        Channel 0  
I/O Port        0x00000378-0x0000037F

I/O Port 0x00000778-0x0000077D  
Driver c:\windows\system32\drivers\parport.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710),  
79.50 KB (81,408 bytes), 3/24/2005 2:09 PM)

[Storage]

[Drives]

Item Value  
Drive A:  
Description 3 1/2 Inch Floppy Drive

Drive C:  
Description Local Fixed Disk  
Compressed No  
File System NTFS  
Size 40.00 GB (42,948,997,120 bytes)  
Free Space 33.33 GB (35,784,085,504 bytes)  
Volume Name  
Volume Serial Number F0270939

Drive D:  
Description CD-ROM Disc

Drive E:  
Description Local Fixed Disk  
Compressed No  
File System NTFS  
Size 68.12 GB (73,147,285,504 bytes)  
Free Space 67.70 GB (72,689,385,472 bytes)  
Volume Name apps  
Volume Serial Number 0A869408

Drive F:  
Description Local Fixed Disk  
Compressed No  
File System NTFS  
Size 51.09 GB (54,854,324,224 bytes)  
Free Space 51.02 GB (54,785,028,096 bytes)  
Volume Name utils  
Volume Serial Number 0C499DDB

Drive G:  
Description Local Fixed Disk  
Compressed No  
File System NTFS  
Size 51.09 GB (54,854,324,224 bytes)  
Free Space 51.02 GB (54,785,032,192 bytes)  
Volume Name backup  
Volume Serial Number 1662F98B

Drive H:  
Description Local Fixed Disk  
Compressed No

File System NTFS  
Size 204.37 GB (219,442,151,424 bytes)  
Free Space 204.31 GB (219,371,438,080 bytes)  
Volume Name logs  
Volume Serial Number CE7CE230

Drive Q:  
Description Local Fixed Disk  
Compressed No  
File System NTFS  
Size 509.81 MB (534,577,152 bytes)  
Free Space 500.58 MB (524,894,720 bytes)  
Volume Name quorum  
Volume Serial Number 9AC083B5

Drive Z:  
Description Network Connection  
Provider Name \\vhamocfpcb\vhamocusers\vhamocparsov

[Disks]

Item	Value
Description	Disk drive
Manufacturer	(Standard disk drives)
Model	PowerDevice by PowerPath
Bytes/Sector	512
Media Loaded	Yes
Media Type	Fixed hard disk
Partitions	0
SCSI Bus	0
SCSI Logical Unit	0
SCSI Port	2
SCSI Target ID	0
Sectors/Track	63
Size	54.91 MB (57,576,960 bytes)
Total Cylinders	7
Total Sectors	112,455
Total Tracks	1,785
Tracks/Cylinder	255

Description	Disk drive
Manufacturer	(Standard disk drives)
Model	PowerDevice by PowerPath
Bytes/Sector	512
Media Loaded	Yes
Media Type	Fixed hard disk
Partitions	0
SCSI Bus	0
SCSI Logical Unit	0
SCSI Port	3
SCSI Target ID	0
Sectors/Track	63
Size	54.91 MB (57,576,960 bytes)
Total Cylinders	7
Total Sectors	112,455
Total Tracks	1,785

Tracks/Cylinder 255

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 5  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 63  
Size 509.88 MB (534,643,200 bytes)  
Total Cylinders 65  
Total Sectors 1,044,225  
Total Tracks 16,575  
Tracks/Cylinder 255  
Partition Disk #4, Partition #0  
Partition Size 509.81 MB (534,577,664 bytes)  
Partition Starting Offset 65,536 bytes

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 6  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 63  
Size 68.12 GB (73,147,415,040 bytes)  
Total Cylinders 8,893  
Total Sectors 142,866,045  
Total Tracks 2,267,715  
Tracks/Cylinder 255  
Partition Disk #5, Partition #0  
Partition Size 68.12 GB (73,147,349,504 bytes)  
Partition Starting Offset 65,536 bytes

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 7  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 63

Size 51.09 GB (54,854,392,320 bytes)  
Total Cylinders 6,669  
Total Sectors 107,137,485  
Total Tracks 1,700,595  
Tracks/Cylinder 255  
Partition Disk #6, Partition #0  
Partition Size 51.09 GB (54,854,326,784 bytes)  
Partition Starting Offset 65,536 bytes

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 8  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 63  
Size 51.09 GB (54,854,392,320 bytes)  
Total Cylinders 6,669  
Total Sectors 107,137,485  
Total Tracks 1,700,595  
Tracks/Cylinder 255  
Partition Disk #7, Partition #0  
Partition Size 51.09 GB (54,854,326,784 bytes)  
Partition Starting Offset 65,536 bytes

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 9  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 63  
Size 204.37 GB (219,442,245,120 bytes)  
Total Cylinders 26,679  
Total Sectors 428,598,135  
Total Tracks 6,803,145  
Tracks/Cylinder 255  
Partition Disk #8, Partition #0  
Partition Size 204.37 GB (219,442,179,584 bytes)  
Partition Starting Offset 65,536 bytes

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes



Media Type Fixed hard disk  
Partitions 0  
SCSI Bus 0  
SCSI Logical Unit 1  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 1  
Size 2.81 MB (2,949,120 bytes)  
Total Cylinders 5,760  
Total Sectors 5,760  
Total Tracks 5,760  
Tracks/Cylinder 1

Description Disk drive  
Manufacturer (Standard disk drives)  
Model PowerDevice by PowerPath  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 0  
SCSI Bus 0  
SCSI Logical Unit 2  
SCSI Port 2  
SCSI Target ID 0  
Sectors/Track 1  
Size 2.81 MB (2,949,120 bytes)  
Total Cylinders 5,760  
Total Sectors 5,760  
Total Tracks 5,760  
Tracks/Cylinder 1

Description Disk drive  
Manufacturer (Standard disk drives)  
Model HP LOGICAL VOLUME SCSI Disk Device  
Bytes/Sector 512  
Media Loaded Yes  
Media Type Fixed hard disk  
Partitions 1  
SCSI Bus 0  
SCSI Logical Unit 0  
SCSI Port 4  
SCSI Target ID 4  
Sectors/Track 32  
Size 205.00 GB (220,122,071,040 bytes)  
Total Cylinders 52,687  
Total Sectors 429,925,920  
Total Tracks 13,435,185  
Tracks/Cylinder 255  
Partition Disk #0, Partition #0  
Partition Size 40.00 GB (42,949,001,216 bytes)  
Partition Starting Offset 16,384 bytes

[SCSI]

Item	Value
Name	Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver

Manufacturer Emulex  
Status OK  
PNP Device ID  
PCI\VEN\_10DF&DEV\_F980&SUBSYS\_F98010DF&REV\_01\5&17D5B762&0&080008  
Memory Address 0xF9FF0000-0xF9FF0FFF  
Memory Address 0xF9FE0000-0xF9FE00FF  
IRQ Channel IRQ 25  
Driver c:\windows\system32\drivers\elxstor.sys (5-1.30A9 03/18/2007 WS2K3 32 bit built by: WinDDK, 332.00 KB (339,968 bytes), 12/11/2007 5:40 PM)

Name Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver  
Manufacturer Emulex  
Status OK  
PNP Device ID  
PCI\VEN\_10DF&DEV\_F980&SUBSYS\_F98010DF&REV\_01\5&17D5B762&0&100008  
Memory Address 0xF9FD0000-0xF9FD0FFF  
Memory Address 0xF9FC0000-0xF9FC00FF  
IRQ Channel IRQ 30  
Driver c:\windows\system32\drivers\elxstor.sys (5-1.30A9 03/18/2007 WS2K3 32 bit built by: WinDDK, 332.00 KB (339,968 bytes), 12/11/2007 5:40 PM)

Name Smart Array P400 Controller  
Manufacturer Hewlett-Packard Company  
Status OK  
PNP Device ID  
PCI\VEN\_103C&DEV\_3230&SUBSYS\_3234103C&REV\_03\4&1ADCC485&0&0030  
Memory Address 0xFDF00000-0xFDF000FF  
I/O Port 0x00005000-0x00005FFF  
Memory Address 0xFDEF0000-0xFDEF00FF  
IRQ Channel IRQ 16  
Driver c:\windows\system32\drivers\hpcisss2.sys (6.8.0.32 Build 9 (x86) built by: buildsrv, 63.55 KB (65,072 bytes), 12/31/1979 7:00 PM)

Name EMS Device Bus  
Manufacturer EMC Corporation  
Status OK  
PNP Device ID ROOT\SCSIADAPTER\0000  
Driver c:\windows\system32\drivers\emcpbase.sys (4.5.1.0002, 284.38 KB (291,200 bytes), 7/7/2006 7:02 AM)

#### [IDE]

Item Value  
Name Intel(R) 82801EB Ultra ATA Storage Controllers - 24DB  
Manufacturer Intel  
Status OK  
PNP Device ID PCI\VEN\_8086&DEV\_24DB&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&F9  
I/O Port 0x00000500-0x0000050F  
Memory Address 0xFEBFFC00-0xFEBFFFFF  
Driver c:\windows\system32\drivers\intelide.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 7.50 KB (7,680 bytes), 12/11/2007 12:08 PM)

Name Primary IDE Channel  
Manufacturer (Standard IDE ATA/ATAPI controllers)  
Status OK  
PNP Device ID PCI\IDE\IDECHANNEL\4&B60E41D&0&0

I/O Port 0x000001F0-0x000001F7  
 I/O Port 0x000003F6-0x000003F6  
 IRQ Channel IRQ 14  
 Driver c:\windows\system32\drivers\atapi.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 94.50 KB (96,768 bytes), 11/30/2005 7:00 AM)

Name Secondary IDE Channel  
 Manufacturer (Standard IDE ATA/ATAPI controllers)  
 Status OK  
 PNP Device ID PCI\IDE\IDECHANNEL\4&B60E41D&0&1  
 I/O Port 0x00000170-0x00000177  
 I/O Port 0x00000376-0x00000376  
 IRQ Channel IRQ 15  
 Driver c:\windows\system32\drivers\atapi.sys (5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710), 94.50 KB (96,768 bytes), 11/30/2005 7:00 AM)

[Printing]

Name	Driver	Port_Name	Server_Name
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[Problem Devices]

Device	PNP_Device_ID	Error_Code
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[USB]

Device	PNP_Device_ID
Intel(R) 82801EB USB Universal Host Controller - 24D2	PCI\VEN_8086&DEV_24D2&SUBSYS_3201103C&REV_02\3&61AAA01&0&E8
Intel(R) 82801EB USB Universal Host Controller - 24D4	PCI\VEN_8086&DEV_24D4&SUBSYS_3201103C&REV_02\3&61AAA01&0&E9
Intel(R) 82801EB USB Universal Host Controller - 24D7	PCI\VEN_8086&DEV_24D7&SUBSYS_3201103C&REV_02\3&61AAA01&0&EA
Intel(R) 82801EB USB Universal Host Controller - 24DE	PCI\VEN_8086&DEV_24DE&SUBSYS_3201103C&REV_02\3&61AAA01&0&EB
Intel(R) 82801EB USB2 Enhanced Host Controller - 24DD	PCI\VEN_8086&DEV_24DD&SUBSYS_3201103C&REV_02\3&61AAA01&0&EF
Standard Universal PCI to USB Host Controller	PCI\VEN_103C&DEV_3300&SUBSYS_3304103C&REV_00\4&3A321F38&0&24F0

[Software Environment]

[System Drivers]

Name	Description	File	Type	Started	Start_Mode	State	Status	Error_Control
Accept_Pause	Accept_Stop							
abiosdsk	Abiosdsk	Not Available	Kernel Driver	No	Disabled	Stopped		
OK	Ignore No	No						
acpi	Microsoft ACPI Driver	c:\windows\system32\drivers\acpi.sys	Kernel Driver	Yes	Normal	Yes		Yes
Boot	Running	OK						
acpiec	ACPIEC	c:\windows\system32\drivers\acpiec.sys	Kernel Driver	No	Normal	No		No
Disabled	Stopped	OK						

adpu160m	adpu160m	Not Available	Kernel Driver	No	Disabled	Stopped	
OK	Normal	No					
adpu320	adpu320	Not Available	Kernel Driver	No	Disabled	Stopped	
OK	Normal	No					
afcnt	afcnt	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Normal	No					
afd	AFD	c:\windows\system32\drivers\afd.sys	Kernel Driver	Yes	System	Running	
OK	Normal	No	Yes				
aic78u2	aic78u2	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Normal	No					
aic78xx	aic78xx	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Normal	No					
aliide	Aliide	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Normal	No					
amdide	Amdlde	c:\windows\system32\drivers\amdide.sys	Kernel Driver	No			
	Disabled	Stopped	OK	Normal	No	No	
arc	arc	c:\windows\system32\drivers\arc.sys	Kernel Driver	No	Disabled		
	Stopped	OK	Normal	No	No		
asynctac	RAS Asynchronous Media Driver		c:\windows\system32\drivers\asynctac.sys				
	Kernel Driver	No	Manual	Stopped	OK	Normal	No
atapi	Standard IDE/ESDI Hard Disk Controller		c:\windows\system32\drivers\atapi.sys	Kernel			
Driver	Yes	Boot	Running	OK	Normal	No	Yes
atdisk	Atdisk	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Ignore	No	No				
ati2mtag	ati2mtag	c:\windows\system32\drivers\ati2mtag.sys	Kernel Driver	Yes			
	Manual	Running	OK	Ignore	No	Yes	
atmarpc	ATM ARP Client Protocol		c:\windows\system32\drivers\atmarpc.sys	Kernel			
Driver	No	Manual	Stopped	OK	Normal	No	No
audstub	Audio Stub Driver		c:\windows\system32\drivers\audstub.sys	Kernel Driver			
	Yes	Manual	Running	OK	Normal	No	Yes
b06bdrv	HP Virtual Bus Device		c:\windows\system32\drivers\bxvbdx.sys	Kernel Driver	Yes		
	Boot	Running	OK	Normal	No	Yes	
beep	Beep	c:\windows\system32\drivers\beep.sys	Kernel Driver	Yes	System		
	Running	OK	Normal	No	Yes		
cbidf2k	cbidf2k	c:\windows\system32\drivers\cbidf2k.sys	Kernel Driver	No	Disabled		
	Stopped	OK	Normal	No	No		
cd20xrnt	cd20xrnt	Not Available	Kernel Driver	No	Disabled	Stopped	
	OK	Normal	No	No			
cdfs	Cdfs	c:\windows\system32\drivers\cdfs.sys	File System Driver	Yes			
	Disabled	Running	OK	Normal	No	Yes	
cdrom	CD-ROM Driver		c:\windows\system32\drivers\cdrom.sys	Kernel Driver	Yes	System	
	Running	OK	Normal	No	Yes		
changer	Changer	Not Available	Kernel Driver	No	System	Stopped	OK
	Ignore	No	No				
clusdisk	Cluster Disk Driver		c:\windows\system32\drivers\clusdisk.sys	Kernel Driver			
	Yes	System	Running	OK	Normal	No	Yes
clusnet	Cluster Network Driver		c:\windows\system32\drivers\clusnet.sys	Kernel Driver	Yes		
	Manual	Running	OK	Normal	No	Yes	
cmdide	Cmdlde	Not Available	Kernel Driver	No	Disabled	Stopped	OK
	Normal	No	No				
cpqarray	Cpqarray	Not Available	Kernel Driver	No	Disabled	Stopped	
	OK	Normal	No				
cpqarray2	cpqarray2	Not Available	Kernel Driver	No	Disabled	Stopped	
	OK	Normal	No				
cpqasm2	cpqasm2	c:\windows\system32\drivers\cpqasm2.sys	Kernel Driver	Yes			
	Manual	Running	OK	Normal	No	Yes	

cpqcidrv	HP iLO Management Channel Interface Driver	c:\windows\system32\drivers\cpqcidrv.sys	Kernel Driver	Yes	Manual	Running		
OK	Normal	No	Yes					
cpqcissm	cpqcissm	Not Available	Kernel Driver	No	Disabled	Stopped		
OK	Normal	No	No					
cpqfcalm	cpqfcalm	Not Available	Kernel Driver	No	Disabled	Stopped		
OK	Normal	No	No					
cpqteam	HP Network Configuration Utility	c:\windows\system32\drivers\cpqteam.sys	Kernel					
Driver	No	Manual	Stopped	OK	Normal	No	No	
crdisk	CRC Disk Filter Driver	c:\windows\system32\drivers\crdisk.sys	Kernel Driver	Yes				
Boot	Running	OK	Normal	No	Yes			
dac960nt	dac960nt	Not Available	Kernel Driver	No	Disabled	Stopped		
OK	Normal	No	No					
dellcerc	dellcerc	Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal	No	No						
dfsdriver	DfsDriver	c:\windows\system32\drivers\dfs.sys	File System Driver	Yes				
Boot	Running	OK	Normal	No	Yes			
disk	Disk Driver	c:\windows\system32\drivers\disk.sys	Kernel Driver	Yes		Boot		
Running	OK	Normal	No	Yes				
dmboot	dmboot	c:\windows\system32\drivers\dmboot.sys	Kernel Driver	No				
Disabled	Stopped	OK	Normal	No	No			
dmio	Logical Disk Manager Driver	c:\windows\system32\drivers\dmio.sys	Kernel Driver	Yes				
Yes	Boot	Running	OK	Normal	No	Yes		
dmload	dmload	c:\windows\system32\drivers\dmload.sys	Kernel Driver	Yes		Boot		
Running	OK	Normal	No	Yes				
dpti2o	dpti2o	Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal	No	No						
elxplus	Emulex PLUS Service	c:\windows\system32\drivers\elxplus.sys	Kernel Driver	Yes				
Boot	Running	OK	Normal	No	Yes			
elxstor	elxstor	c:\windows\system32\drivers\elxstor.sys	Kernel Driver	Yes		Boot		
Running	OK	Normal	No	Yes				
emcpcbase	EMC PowerPath Base Driver	c:\windows\system32\drivers\emcpcbase.sys	Kernel					
Driver	Yes	Boot	Running	OK	Normal	No	Yes	
emcpcg	EMC Consistency Group Extension for PowerPath	c:\windows\system32\drivers\emcpcg.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					
emcpcclass	EMC Multi-Path Class Device with Third Party Array Support	c:\windows\system32\drivers\emcpcclass.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					
emcphr	EMC High Road Extension for PowerPath	c:\windows\system32\drivers\emcphr.sys	Kernel Driver	No		Disabled		
Stopped	OK	Normal	No	No				
emcpmp	EMC PowerPath MultiPath Extension for Symmetrix	c:\windows\system32\drivers\emcpmp.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					
emcpmpaa	EMC PowerPath Multipath Extension for Active-Active arrays	c:\windows\system32\drivers\emcpmpaa.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					
emcpmpap	EMC PowerPath Multipath Extension for Active-Passive arrays	c:\windows\system32\drivers\emcpmpap.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					
emcpmpc	EMC PowerPath MultiPath Extension for CLARiiON	c:\windows\system32\drivers\emcpmpc.sys	Kernel Driver	Yes		Boot	Running	
OK	Normal	No	Yes					

emcpsapi	EMC Symmetrix API Extension for PowerPath								
	c:\windows\system32\drivers\emcpsapi.sys	Kernel Driver	Yes	Boot	Running				
	OK	Normal	No	Yes					
fastfat	Fastfat	c:\windows\system32\drivers\fastfat.sys	File System Driver	Yes					
	Disabled	Running	OK	Normal	No	Yes			
fdc	Floppy Disk Controller Driver	c:\windows\system32\drivers\fdc.sys	Kernel Driver	Yes					
	Manual	Running	OK	Normal	No	Yes			
fips	Fips	c:\windows\system32\drivers\fips.sys	Kernel Driver	Yes	System	Running			
	OK	Normal	No	Yes					
flpydisk	Floppy Disk Driver	c:\windows\system32\drivers\flpydisk.sys	Kernel Driver						
	Yes	Manual	Running	OK	Normal	No	Yes		
fltmgr	FltMgr	c:\windows\system32\drivers\fltmgr.sys	File System Driver	Yes	Boot				
	Running	OK	Normal	No	Yes				
ftdisk	Volume Manager Driver	c:\windows\system32\drivers\ftdisk.sys	Kernel Driver	Yes					
	Boot	Running	OK	Normal	No	Yes			
gpc	Generic Packet Classifier	c:\windows\system32\drivers\msgpc.sys	Kernel Driver	Yes					
	Manual	Running	OK	Normal	No	Yes			
hidusb	Microsoft HID Class Driver	c:\windows\system32\drivers\hidusb.sys	Kernel Driver						
	Yes	Manual	Running	OK	Ignore	No	Yes		
hpcisss	hpcisss	c:\windows\system32\drivers\hpcisss.sys	Kernel Driver	No					
	Disabled	Stopped	OK	Normal	No	No			
hpcisss2	HpCISSs2	c:\windows\system32\drivers\hpcisss2.sys	Kernel Driver	Yes					
	Boot	Running	OK	Normal	No	Yes			
hpn	hpn	Not Available	Kernel Driver	No	Disabled	Stopped	OK	Normal	
	No								
hpt3xx	hpt3xx	Not Available	Kernel Driver	No	Disabled	Stopped	OK		
	Normal	No							
http	HTTP	c:\windows\system32\drivers\http.sys	Kernel Driver	Yes	Manual	Running			
	OK	Normal	No	Yes					
i2omgmt	i2omgmt	Not Available	Kernel Driver	No	System	Stopped	OK		
	Normal	No							
i2omp	i2omp	Not Available	Kernel Driver	No	Disabled	Stopped	OK		
	Normal	No							
i8042prt	i8042 Keyboard and PS/2 Mouse Port Driver	c:\windows\system32\drivers\i8042prt.sys	Kernel Driver	Yes	System	Running			
	OK	Normal	No	Yes					
iirsp	iirsp	Not Available	Kernel Driver	No	Disabled	Stopped	OK		
	Normal	No							
imapi	CD-Burning Filter Driver	c:\windows\system32\drivers\imapi.sys	Kernel Driver	Yes					
	System	Running	OK	Normal	No	Yes			
intelide	IntelIde	c:\windows\system32\drivers\intelide.sys	Kernel Driver	Yes	Boot				
	Running	OK	Normal	No	Yes				
intelppm	Intel Processor Driver	c:\windows\system32\drivers\intelppm.sys	Kernel Driver						
	Yes	Manual	Running	OK	Normal	No	Yes		
ip6fw	IPv6 Windows Firewall Driver	c:\windows\system32\drivers\ip6fw.sys	Kernel Driver						
	No	Manual	Stopped	OK	Normal	No	No		
ipfilterdriver	IP Traffic Filter Driver	c:\windows\system32\drivers\ipfltdrv.sys	Kernel Driver	No					
	Manual	Stopped	OK	Normal	No	No			
ipinip	IP in IP Tunnel Driver	c:\windows\system32\drivers\ipinip.sys	Kernel Driver	No					
	Manual	Stopped	OK	Normal	No	No			
ipnat	IP Network Address Translator	c:\windows\system32\drivers\ipnat.sys	Kernel Driver						
	Yes	Manual	Running	OK	Normal	No	Yes		
ipsec	IPSEC driver	c:\windows\system32\drivers\ipsec.sys	Kernel Driver	Yes	System				
	Running	OK	Normal	No	Yes				
ipsraidn	ipsraidn	Not Available	Kernel Driver	No	Disabled	Stopped	OK		
	Normal	No							

isapnp	PnP ISA/EISA Bus Driver	c:\windows\system32\drivers\isapnp.sys	Kernel Driver					
Yes	Boot Running	OK	Critical	No	Yes			
kbdclass	Keyboard Class Driver	c:\windows\system32\drivers\kbdclass.sys	Kernel Driver					
Yes	System Running	OK	Normal	No	Yes			
kbdhid	Keyboard HID Driver	c:\windows\system32\drivers\kbdhid.sys	Kernel Driver	Yes				
	System Running	OK	Ignore	No	Yes			
ksecdd	KSecDD	c:\windows\system32\drivers\ksecdd.sys	Kernel Driver	Yes	Boot			
	Running	OK	Normal	No	Yes			
l2nd	HP NC370 Multifunction Gigabit Server Adapter	c:\windows\system32\drivers\bxnd52x.sys	Kernel Driver	Yes	Manual	Running		
	OK	Normal	No	Yes				
lp6nds35	lp6nds35	c:\windows\system32\drivers\lp6nds35.sys	Kernel Driver	Yes				
	Boot Running	OK	Normal	No	Yes			
mnmd	mnmd	c:\windows\system32\drivers\mnmd.sys	Kernel Driver	Yes	System			
	Running	OK	Ignore	No	Yes			
modem	Modem	c:\windows\system32\drivers\modem.sys	Kernel Driver	No	Manual			
	Stopped	OK	Ignore	No	No			
mouclass	Mouse Class Driver	c:\windows\system32\drivers\mouclass.sys	Kernel Driver					
Yes	System Running	OK	Normal	No	Yes			
mouhid	Mouse HID Driver	c:\windows\system32\drivers\mouhid.sys	Kernel Driver					
Yes	Manual Running	OK	Ignore	No	Yes			
mountmgr	Mount Point Manager	c:\windows\system32\drivers\mountmgr.sys	Kernel Driver					
Yes	Boot Running	OK	Normal	No	Yes			
mraid35x	mraid35x	Not Available	Kernel Driver	No	Disabled	Stopped		
	OK	Normal	No	No				
mrxdav	WebDav Client Redirector	c:\windows\system32\drivers\mrxdav.sys	File					
System Driver	No	Manual	Stopped	OK	Normal	No	No	
mrxsm	MRXSMB	c:\windows\system32\drivers\mrxsm.sys	File System Driver					
Yes	System Running	OK	Normal	No	Yes			
msfs	Msfs	c:\windows\system32\drivers\msfs.sys	File System Driver	Yes	System			
	Running	OK	Normal	No	Yes			
mssmbios	Microsoft System Management BIOS Driver	c:\windows\system32\drivers\mssmbios.sys	Kernel Driver	Yes	Manual	Running		
	OK	Normal	No	Yes				
mup	Mup	c:\windows\system32\drivers\mup.sys	File System Driver	Yes	Boot			
	Running	OK	Normal	No	Yes			
naiafilter1	NaiAvFilter1	c:\windows\system32\drivers\naiafv5x.sys	Kernel Driver	Yes				
	Manual Running	OK	Normal	No	Yes			
naiavtid1	NaiAvTid1	c:\windows\system32\drivers\mvstid5x.sys	Kernel Driver	Yes				
	System Running	OK	Normal	No	Yes			
ndis	NDIS System Driver	c:\windows\system32\drivers\ndis.sys	Kernel Driver	Yes				
	Boot Running	OK	Normal	No	Yes			
ndistapi	Remote Access NDIS TAPI Driver	c:\windows\system32\drivers\ndistapi.sys	Kernel Driver	Yes	Manual	Running	OK	Normal
	Kernel Driver	Yes	Manual	Running	OK	Normal	No	Yes
ndisuio	NDIS Usermode I/O Protocol	c:\windows\system32\drivers\ndisuio.sys	Kernel Driver					
Yes	Manual Running	OK	Normal	No	Yes			
ndiswan	Remote Access NDIS WAN Driver	c:\windows\system32\drivers\ndiswan.sys	Kernel Driver	Yes	Manual	Running	OK	Normal
	Kernel Driver	Yes	Manual	Running	OK	Normal	No	Yes
ndproxy	NDIS Proxy	c:\windows\system32\drivers\ndproxy.sys	Kernel Driver	Yes				
	Manual Running	OK	Normal	No	Yes			
netbios	NetBIOS Interface	c:\windows\system32\drivers\netbios.sys	File System					
Driver	Yes	System Running	OK	Normal	No	Yes		
netbt	NetBios over Tcpip	c:\windows\system32\drivers\netbt.sys	Kernel Driver	Yes				
	System Running	OK	Normal	No	Yes			
nfrd960	nfrd960	Not Available	Kernel Driver	No	Disabled	Stopped	OK	
	Normal	No	No					

npfs	Npfs	c:\windows\system32\drivers\npfs.sys	File System Driver	Yes	System			
	Running	OK	Normal No	Yes				
ntfs	Ntfs	c:\windows\system32\drivers\ntfs.sys	File System Driver	Yes	Disabled			
	Running	OK	Normal No	Yes				
null	Null	c:\windows\system32\drivers\null.sys	Kernel Driver	Yes	System	Running		
	OK	Normal No	Yes					
parport	Parallel port driver	c:\windows\system32\drivers\parport.sys	Kernel Driver	Yes				
	Manual	Running	OK	Normal No	Yes			
partmgr	Partition Manager	c:\windows\system32\drivers\partmgr.sys	Kernel Driver					
	Yes	Boot	Running	OK	Normal No	Yes		
parvdm	Parvdm	c:\windows\system32\drivers\parvdm.sys	Kernel Driver	Yes	Auto			
	Running	OK	Ignore No	Yes				
pci	PCI Bus Driver	c:\windows\system32\drivers\pci.sys	Kernel Driver	Yes	Boot			
	Running	OK	Critical No	Yes				
pciide	PCIIde	c:\windows\system32\drivers\pciide.sys	Kernel Driver	Yes	Boot			
	Running	OK	Normal No	Yes				
pcmcia	Pcmcia	c:\windows\system32\drivers\pcmcia.sys	Kernel Driver	No	Disabled			
	Stopped	OK	Normal No	No				
pdcomp	PDCOMP	Not Available	Kernel Driver	No	Manual	Stopped		OK
	Ignore	No	No					
pdframe	PDFRAME	Not Available	Kernel Driver	No	Manual	Stopped		OK
	Ignore	No	No					
pdreli	PDRELI	Not Available	Kernel Driver	No	Manual	Stopped		OK
	Ignore	No	No					
pdframe	PDRFRAME	Not Available	Kernel Driver	No	Manual	Stopped		OK
	Ignore	No	No					
perc2	perc2	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
perc2hib	perc2hib	Not Available	Kernel Driver	No	Disabled	Stopped		
	OK	Normal No	No					
pptpminiport	WAN Miniport (PPTP)	c:\windows\system32\drivers\rasppptp.sys	Kernel					
Driver	Yes	Manual	Running	OK	Normal No	Yes		
ptilink	Direct Parallel Link Driver	c:\windows\system32\drivers\ptilink.sys	Kernel Driver					
	Yes	Manual	Running	OK	Normal No	Yes		
ql1080	ql1080	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql10wnt	Ql10wnt	Not Available	Kernel Driver	No	Disabled	Stopped		
	OK	Normal No	No					
ql12160	ql12160	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql1240	ql1240	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql1280	ql1280	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql2100	ql2100	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql2200	ql2200	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
ql2300	ql2300	Not Available	Kernel Driver	No	Disabled	Stopped		OK
	Normal	No	No					
rasacd	Remote Access Auto Connection Driver	c:\windows\system32\drivers\rasacd.sys	Kernel					
Driver	Yes	System	Running	OK	Normal No	Yes		
rasl2tp	WAN Miniport (L2TP)	c:\windows\system32\drivers\rasl2tp.sys	Kernel Driver	Yes				
	Manual	Running	OK	Normal No	Yes			
raspppoe	Remote Access PPPOE Driver	c:\windows\system32\drivers\raspppoe.sys	Kernel					
Driver	Yes	Manual	Running	OK	Normal No	Yes		



raspti	Direct Parallel	c:\windows\system32\drivers\raspti.sys	Kernel Driver	Yes	Manual		
Running	OK	Normal No	Yes				
rdbss	Rdbss	c:\windows\system32\drivers\rdbss.sys	File System Driver	Yes	System		
Running	OK	Normal No	Yes				
rdpcdd	RDPCCDD	c:\windows\system32\drivers\rdpcdd.sys	Kernel Driver	Yes	System		
Running	OK	Ignore No	Yes				
rdpdr	Terminal Server Device Redirector Driver	c:\windows\system32\drivers\rdpdr.sys	Kernel Driver	Yes	Manual Running	OK	Normal No Yes
rdpwd	RDPWD	c:\windows\system32\drivers\rdpwd.sys	Kernel Driver	Yes	Manual		
Running	OK	Ignore No	Yes				
redbook	Digital CD Audio Playback Filter Driver	c:\windows\system32\drivers\redbook.sys	Kernel Driver	Yes	System Running	OK	Normal No Yes
secdrv	Secdrv	c:\windows\system32\drivers\secdrv.sys	Kernel Driver	No	Manual		
Stopped	OK	Normal No	No				
serenum	Serenum Filter Driver	c:\windows\system32\drivers\serenum.sys	Kernel Driver				
Yes	Manual Running	OK	Normal No	Yes			
serial	Serial port driver	c:\windows\system32\drivers\serial.sys	Kernel Driver	Yes			
System Running	OK	Ignore No	Yes				
sfloppy	Sfloppy	c:\windows\system32\drivers\sfloppy.sys	Kernel Driver	No	System		
Stopped	OK	Ignore No	No				
simbad	Simbad Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal No	No						
srv Srv		c:\windows\system32\drivers\srv.sys	File System Driver	Yes	Manual		
Running	OK	Normal No	Yes				
startdss	HP ProLiant Virtual Install Disk Support Driver	c:\windows\system32\drivers\startdss.sys	Kernel Driver	No	Disabled		
Stopped	OK	Normal No	No				
swenum	Software Bus Driver	c:\windows\system32\drivers\swenum.sys	Kernel Driver				
Yes	Manual Running	OK	Normal No	Yes			
symc810	symc810	Not Available	Kernel Driver	No	Disabled	Stopped	
OK	Normal No	No					
symc8xx	symc8xx	Not Available	Kernel Driver	No	Disabled	Stopped	
OK	Normal No	No					
symmpi	symmpi Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal No	No						
sym_hi	sym_hi Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal No	No						
sym_u3	sym_u3 Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal No	No						
sysmgmt	HP ProLiant System Management Interface Driver	c:\windows\system32\drivers\sysmgmt.sys	Kernel Driver	Yes	Manual Running		
OK	Normal No	Yes					
tcpip	TCP/IP Protocol Driver	c:\windows\system32\drivers\tcpip.sys	Kernel Driver	Yes			
System Running	OK	Normal No	Yes				
tdpipe	TDPIPE	c:\windows\system32\drivers\tdpipe.sys	Kernel Driver	No	Manual		
Stopped	OK	Ignore No	No				
tdtcp	TDTCP	c:\windows\system32\drivers\tdtcp.sys	Kernel Driver	Yes	Manual		
Running	OK	Ignore No	Yes				
termdd	Terminal Device Driver	c:\windows\system32\drivers\termdd.sys	Kernel Driver	Yes			
System Running	OK	Normal No	Yes				
toside	Toside Not Available	Kernel Driver	No	Disabled	Stopped	OK	
Normal No	No						
udfs	Udfs	c:\windows\system32\drivers\udfs.sys	File System Driver	No			
Disabled	Stopped	OK	Normal No	No			
ultra	ultra	Not Available	Kernel Driver	No	Disabled	Stopped	OK
Normal No	No						

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update      Microcode Update Driver      c:\windows\system32\drivers\update.sys Kernel Driver
  Yes      Manual Running      OK      Normal No      Yes
usbccgp     Microsoft USB Generic Parent Driver  c:\windows\system32\drivers\usbccgp.sys
  Kernel Driver  Yes      Manual Running      OK      Normal No      Yes
usbhci     Microsoft USB 2.0 Enhanced Host Controller Miniport Driver
  c:\windows\system32\drivers\usbhci.sys      Kernel Driver  Yes      Manual Running
  OK      Normal No      Yes
usbhub     USB2 Enabled Hub      c:\windows\system32\drivers\usbhub.sys      Kernel Driver
  Yes      Manual Running      OK      Normal No      Yes
usbstor    USB Mass Storage Driver      c:\windows\system32\drivers\usbstor.sys      Kernel
  Driver      No      Manual Stopped      OK      Normal No      No
usbuhci    Microsoft USB Universal Host Controller Miniport Driver
  c:\windows\system32\drivers\usbuhci.sys      Kernel Driver  Yes      Manual Running
  OK      Normal No      Yes
vga vga     c:\windows\system32\drivers\vgapnp.sys      Kernel Driver  No      Manual
  Stopped      OK      Ignore No      No
vgasave    VGA Display Controller. c:\windows\system32\drivers\vga.sys      Kernel Driver  Yes
  System Running      OK      Ignore No      Yes
viaide     Vialde Not Available      Kernel Driver  No      Disabled      Stopped      OK
  Normal No      No
volsnap    Storage volumes      c:\windows\system32\drivers\volsnap.sys      Kernel Driver
  Yes      Boot Running      OK      Normal No      Yes
wanarp     Remote Access IP ARP Driver  c:\windows\system32\drivers\wanarp.sys      Kernel
  Driver      Yes      Manual Running      OK      Normal No      Yes
wdf01000   Wdf01000      c:\windows\system32\drivers\wdf01000.sys      Kernel Driver  Yes
  Manual Running      OK      Normal No      Yes
wdica     WDICA Not Available      Kernel Driver  No      Manual Stopped      OK      Ignore
  No      No
wlbs       Network Load Balancing      c:\windows\system32\drivers\wlbs.sys      Kernel Driver
  No      Manual Stopped      OK      Normal No      No
entdrv52   EntDrv52      \\?\c:\windows\system32\drivers\entdrv52.sys      Kernel Driver  Yes
  Manual Running      OK      Normal No      Yes

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[Signed Drivers]

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Device_Name      Signed Device_Class  Driver_Version  Driver_Date      Manufacturer
  INF_Name      Driver_Name      Device_ID
Communications Port      Yes      PORTS5.2.3790.0      10/1/2002      (Standard port types)
  msports.inf      Not Available      ROOT*\PNP0501\1_0_17_1_0_0
Microsoft System Management BIOS Driver Yes      SYSTEM      5.2.3790.1830  10/1/2002
  (Standard system devices) machine.inf      Not Available      ROOT\SYSTEM\0002
Microcode Update Device Yes      SYSTEM      5.2.3790.1830  10/1/2002      (Standard
  system devices) machine.inf      Not Available      ROOT\SYSTEM\0001
Plug and Play Software Device Enumerator Yes      SYSTEM      5.2.3790.1830  10/1/2002
  (Standard system devices) machine.inf      Not Available      ROOT\SYSTEM\0000
Disk drive Yes      DISKDRIVE      5.2.3790.0      10/1/2002      (Standard disk drives) disk.inf
  Not Available      SCSI\DISK&VEN_EMCP&PROD_POWER&EMCP&0001&0001&3_0_0_0
Disk drive Yes      DISKDRIVE      5.2.3790.0      10/1/2002      (Standard disk drives) disk.inf
  Not Available
  SCSI\DISK&VEN_EMCP&PROD_POWER&MP&0001&0002&00001878806170AE
Disk drive Yes      DISKDRIVE      5.2.3790.0      10/1/2002      (Standard disk drives) disk.inf
  Not Available
  SCSI\DISK&VEN_EMCP&PROD_POWER&MP&0001&0002&00001878806170AB
Disk drive Yes      DISKDRIVE      5.2.3790.0      10/1/2002      (Standard disk drives) disk.inf
  Not Available
  SCSI\DISK&VEN_EMCP&PROD_POWER&MP&0001&0002&00001878806170A8

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Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives)	disk.inf
	Not Available					
		SCSIDISK&VEN_EMC&PROD_POWER&MP&0001&0002&000018788061703B				
Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives)	disk.inf
	Not Available					
		SCSIDISK&VEN_EMC&PROD_POWER&MP&0001&0002&0000187880617008				
Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives)	disk.inf
	Not Available					
		SCSIDISK&VEN_EMC&PROD_POWER&MP&0001&0002&00001878806176E8				
Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives)	disk.inf
	Not Available					
		SCSIDISK&VEN_EMC&PROD_POWER&MP&0001&0002&00001878806176E7				
Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives)	disk.inf
	Not Available	SCSIDISK&VEN_EMC&PROD_POWER&EMCP&0001&0001&2_0_0_0				
EMS Device Bus	Yes	SCSIADAPTER	4.5.1.20	7/7/2006	EMC Corporation	
emcpbase.inf	Not Available	ROOT\SCSIADAPTER\0000				
Terminal Server Mouse Driver	Yes	SYSTEM	5.2.3790.1830	10/1/2002		
(Standard system devices)		machine.inf	Not Available		ROOT\RDP_MOU\0000	
Terminal Server Keyboard Driver	Yes	SYSTEM	5.2.3790.1830	10/1/2002		
(Standard system devices)		machine.inf	Not Available		ROOT\RDP_KBD\0000	
Terminal Server Device Redirector	Yes	SYSTEM	5.2.3790.1830	10/1/2002		
(Standard system devices)		machine.inf	Not Available		ROOT\RDPDR\0000	
Direct Parallel	Yes	NET	5.2.3790.1830	10/1/2002	Microsoft	netrasa.inf
Not Available		ROOT\MS_PTMINIPORT\0000				
WAN Miniport (PPTP)	Yes	NET	5.2.3790.1830	10/1/2002	Microsoft	
netrasa.inf	Not Available	ROOT\MS_PPTPMINIPORT\0000				
WAN Miniport (PPPOE)	Yes	NET	5.2.3790.1830	10/1/2002	Microsoft	
netrasa.inf	Not Available	ROOT\MS_PPPOEMINIPORT\0000				
WAN Miniport (IP)	Yes	NET	5.2.3790.1830	10/1/2002	Microsoft	netrasa.inf
Not Available		ROOT\MS_NDISWANIP\0000				
WAN Miniport (L2TP)	Yes	NET	5.2.3790.1830	10/1/2002	Microsoft	
netrasa.inf	Not Available	ROOT\MS_L2TPMINIPORT\0000				
Video Codecs	Yes	MEDIA	5.2.3790.0	10/1/2002	(Standard system devices)	
wave.inf	Not Available	ROOT\MEDIA\MS_MMVID				
Legacy Video Capture Devices	Yes	MEDIA	5.2.3790.0	10/1/2002	(Standard system devices)	
wave.inf	Not Available	ROOT\MEDIA\MS_MMVCD				
Media Control Devices	Yes	MEDIA	5.2.3790.0	10/1/2002	(Standard system devices)	
wave.inf	Not Available	ROOT\MEDIA\MS_MMMCI				
Legacy Audio Drivers	Yes	MEDIA	5.2.3790.0	10/1/2002	(Standard system devices)	
wave.inf	Not Available	ROOT\MEDIA\MS_MMDRV				
Audio Codecs	Yes	MEDIA	5.2.3790.0	10/1/2002	(Standard system devices)	
wave.inf	Not Available	ROOT\MEDIA\MS_MMACM				
Remote Access IP ARP Driver	Not Available	LEGACYDRIVER			Not Available	Not Available
Not Available	Not Available	Not Available	Not Available		ROOT\LEGACY_WANARP\0000	
volsnap	Not Available	LEGACYDRIVER			Not Available	Not Available
Not Available	Not Available	Not Available	Not Available		ROOT\LEGACY_VOLSNAP\0000	
VGA Display Controller.	Not Available	LEGACYDRIVER			Not Available	Not Available
Not Available	Not Available	Not Available	Not Available		ROOT\LEGACY_VGASAVE\0000	
TDTCP	Not Available	LEGACYDRIVER			Not Available	Not Available
Not Available	Not Available	Not Available	Not Available		ROOT\LEGACY_TDTCP\0000	
TCP/IP Protocol Driver	Not Available	LEGACYDRIVER			Not Available	Not Available
Not Available	Not Available	Not Available	Not Available		ROOT\LEGACY_TCPIP\0000	
HP ProLiant System Management Interface Driver	Not Available	LEGACYDRIVER				Not Available
Not Available	Not Available	Not Available	Not Available		Not Available	
		ROOT\LEGACY_SYSMGMT\0000				

HP ProLiant Virtual Install Disk Support Driver	Not Available	LEGACYDRIVER	Not Available	LEGACYDRIVER	Not Available
Available	Not Available	Not Available	Not Available	Not Available	Not Available
ROOTLEGACY_STARTDSS\0000					
RDPWD	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_RDPWD\0000	Not Available	Not Available
RDPCDD	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_RDPCDD\0000	Not Available	Not Available
Remote Access Auto Connection Driver	Not Available	LEGACYDRIVER	Not Available	LEGACYDRIVER	Not Available
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ROOTLEGACY_RASACD\0000					
PCIIde	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_PCIIIDE\0000	Not Available	Not Available
Parvdm	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_PARVDM\0000	Not Available	Not Available
Partition Manager	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_PARTMGR\0000	Not Available	Not Available
Null	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NULL\0000	Not Available	Not Available
NetBios over Tcpi	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NETBT\0000	Not Available	Not Available
NDProxy	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NDPROXY\0000	Not Available	Not Available
NDIS Usermode I/O Protocol	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NDISUIO\0000	Not Available	Not Available
Remote Access NDIS TAPI Driver	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NDISTAPI\0000	Not Available	Not Available
NDIS System Driver	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NDIS\0000	Not Available	Not Available
NaiAvTdi1	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NIAVTDI1\0000	Not Available	Not Available
NaiAvFilter1	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_NIAVFILTER1\0000	Not Available	Not Available
mountmgr	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_MOUNTMGR\0000	Not Available	Not Available
mnmdd	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_MNMDD\0000	Not Available	Not Available
lp6nds35	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_LP6NDS35\0000	Not Available	Not Available
ksecdd	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_KSECDD\0000	Not Available	Not Available
IPSEC driver	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_IPSEC\0000	Not Available	Not Available
IP Network Address Translator	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_IPNAT\0000	Not Available	Not Available
HTTP	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_HTTP\0000	Not Available	Not Available
Generic Packet Classifier	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_GPC\0000	Not Available	Not Available
Fips	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_FIPS\0000	Not Available	Not Available
EntDrv52	Not Available	LEGACYDRIVER	Not Available	Not Available	Not Available
Not Available	Not Available	Not Available	ROOTLEGACY_ENTDRV52\0000	Not Available	Not Available
EMC Symmetrix API Extension for PowerPath	Not Available	LEGACYDRIVER	Not Available	LEGACYDRIVER	Not Available
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ROOTLEGACY_EMCPAPI\0000					

EMC PowerPath MultiPath Extension for CLARiiON Not Available LEGACYDRIVER Not Available  
 Available Not Available Not Available Not Available Not Available  
 ROOTLEGACY\_EMCPMPC\0000

EMC PowerPath Multipath Extension for Active-Passive arrays Not Available  
 LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available  
 Available ROOTLEGACY\_EMCPMPAP\0000

EMC PowerPath Multipath Extension for Active-Active arrays Not Available LEGACYDRIVER  
 Not Available Not Available Not Available Not Available Not Available  
 ROOTLEGACY\_EMCPMPAA\0000

EMC PowerPath MultiPath Extension for Symmetrix Not Available LEGACYDRIVER Not Available  
 Available Not Available Not Available Not Available Not Available  
 ROOTLEGACY\_EMCPMP\0000

EMC Consistency Group Extension for PowerPath Not Available LEGACYDRIVER Not Available  
 Available Not Available Not Available Not Available Not Available  
 ROOTLEGACY\_EMPCPG\0000

dmload Not Available LEGACYDRIVER Not Available Not Available Not Available  
 Not Available Not Available ROOTLEGACY\_DMLOAD\0000

dmboot Not Available LEGACYDRIVER Not Available Not Available Not Available  
 Not Available Not Available ROOTLEGACY\_DMBOOT\0000

CRC Disk Filter Driver Not Available LEGACYDRIVER Not Available Not Available  
 Not Available Not Available Not Available ROOTLEGACY\_CRCDISK\0000

Cluster Network Driver Not Available LEGACYDRIVER Not Available Not Available  
 Not Available Not Available Not Available ROOTLEGACY\_CLUSNET\0000

Cluster Disk Driver Not Available LEGACYDRIVER Not Available Not Available Not Available  
 Available Not Available Not Available ROOTLEGACY\_CLUSDISK\0000

Beep Not Available LEGACYDRIVER Not Available Not Available Not Available  
 Not Available Not Available Not Available ROOTLEGACY\_BEEP\0000

AFD Not Available LEGACYDRIVER Not Available Not Available Not Available  
 Not Available Not Available Not Available ROOTLEGACY\_AFD\0000

Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D8EOFFSET10000LENGTH3317C5E  
 E00

Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D89OFFSET10000LENGTHCC5929A  
 00

Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D9FOFFSET10000LENGTH1107EBF  
 A00

Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D84OFFSET10000LENGTHCC5929A  
 00

Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE57DBDF9DOFFSET10000LENGTH1FDD02  
 00

Generic volume Yes VOLUME 5.2.3790.1830 10/1/2002 Microsoft  
 volume.inf Not Available  
 STORAGE\VOLUME\1&30A96598&0&SIGNATURE570A864BOFFSET4000LENGTH9FFF5C00  
 0

Volume Manager Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard system  
 devices) machine.inf Not Available ROOT\FTDISK\0000

Emulex PLUS	Yes	ELXPLUS	5.1.0.14	3/19/2007	Emulex oem17.inf
Not Available		ROOT\ELXPLUS\0000			
Logical Disk Manager (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ROOT\DMIO\0000		
ACPI Fixed Feature Button (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\FIXEDBUTTON\2&DABA3FF&0		
ACPI Thermal Zone (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\THERMALZONE\THM0		
Secondary IDE Channel (Standard IDE ATA/ATAPI controllers)	Yes	HDC	5.2.3790.1830	10/1/2002	(Standard IDE ATA/ATAPI controllers)
mshdc.inf		Not Available	PCI\IDE\IDECHANNEL\4&B60E41D&0&1		
CD-ROM Drive (Standard CD-ROM drives)	Yes	CDROM	5.2.3790.0	10/1/2002	(Standard CD-ROM drives)
cdrom.inf		Not Available	IDE\CDROMTEAC_DW-224E-V_C.CA_\5&33D30D07&0&0.0.0		
Primary IDE Channel (Standard IDE ATA/ATAPI controllers)	Yes	HDC	5.2.3790.1830	10/1/2002	(Standard IDE ATA/ATAPI controllers)
mshdc.inf		Not Available	PCI\IDE\IDECHANNEL\4&B60E41D&0&0		
Intel(R) 82801EB Ultra ATA Storage Controllers - 24DB	Yes	HDC	5.2.3790.3959	10/1/2002	Intel mshdc.inf Not Available
PCI\VEN_8086&DEV_24DB&SUBSYS_3201103C&REV_02\3&61AAA01&0&F9					
Floppy disk drive (Standard floppy disk drives)	Yes	FLOPPYDISK	5.2.3790.0	10/1/2002	(Standard floppy disk drives)
flpydisk.inf		Not Available	FDC\GENERIC_FLOPPY_DRIVE\6&2A0CB5EB&0&0		
Standard floppy disk controller (Standard floppy disk controllers)	Yes	FDC	5.2.3790.0	10/1/2002	(Standard floppy disk controllers)
fdc.inf		Not Available	ACPI\PNP0700\5&A5A94E2&0		
Communications Port (Standard port types)	Yes	PORTS	5.2.3790.0	10/1/2002	(Standard port types)
msports.inf		Not Available	ACPI\PNP0501\0		
Printer Port Logical Interface (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	LPTENUM\MICROSOFTRAWPORT\6&1863B140&0&LPT1		
Printer Port (Standard port types)	Yes	PORTS	5.2.3790.0	10/1/2002	(Standard port types)
msports.inf		Not Available	ACPI\PNP0400\5&A5A94E2&0		
Extended IO Bus (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\PNP0A06\4&369939D9&0		
PS/2 Compatible Mouse (Microsoft)	Yes	MOUSE	5.2.3790.1830	10/1/2002	Microsoft
msmouse.inf		Not Available	ACPI\PNP0F13\4&369939D9&0		
Standard 101/102-Key or Microsoft Natural PS/2 Keyboard (Standard keyboards)	Yes	KEYBOARD	5.2.3790.0	10/1/2002	(Standard keyboards)
keyboard.inf		Not Available	ACPI\PNP0303\4&369939D9&0		
System speaker (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\PNP0800\4&369939D9&0		
Direct memory access controller (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\PNP0200\4&369939D9&0		
System timer (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\PNP0100\4&369939D9&0		
Motherboard resources (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ACPI\PNP0C02\0		
ISAPNP Read Data Port (Standard system devices)	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)
machine.inf		Not Available	ISAPNP\READDATAPORT\0		
Intel(R) 82801EB LPC Interface Controller - 24D0	Yes	SYSTEM	5.2.3790.3959	10/1/2002	Intel machine.inf Not Available
PCI\VEN_8086&DEV_24D0&SUBSYS_00000000&REV_02\3&61AAA01&0&F8					
Generic USB Hub (Generic USB Hub)	Yes	USB	5.2.3790.1830	10/1/2002	(Generic USB Hub)
usb.inf		Not Available	USB\VID_03F0&PID_1327\6&15249B36&0&2		
HID-compliant mouse (Microsoft)	Yes	MOUSE	5.2.3790.1830	10/1/2002	Microsoft
msmouse.inf		Not Available	HID\VID_03F0&PID_1027&MI_01\8&20B016A&0&0000		

USB Human Interface Device Yes HIDCLASS 5.2.3790.0 10/1/2002  
 (Standard system devices) input.inf Not Available  
 USB\VID\_03F0&PID\_1027&MI\_01\7&12CAF17&0&0001  
 HID Keyboard Device Yes KEYBOARD 5.2.3790.0 10/1/2002 (Standard  
 keyboards) keyboard.inf Not Available  
 HID\VID\_03F0&PID\_1027&MI\_00\8&2A75AF33&0&0000  
 USB Human Interface Device Yes HIDCLASS 5.2.3790.0 10/1/2002  
 (Standard system devices) input.inf Not Available  
 USB\VID\_03F0&PID\_1027&MI\_00\7&12CAF17&0&0000  
 USB Composite Device Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host  
 Controller) usb.inf Not Available USB\VID\_03F0&PID\_1027\6&15249B36&0&1  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB\5&C1B41BA&0  
 Standard Universal PCI to USB Host Controller Yes USB 5.2.3790.1830 10/1/2002  
 (Standard USB Host Controller) usbport.inf Not Available  
 PCI\VEN\_103C&DEV\_3300&SUBSYS\_3304103C&REV\_00\4&3A321F38&0&24F0  
 HP iLO Management Channel Interface Driver Yes MULTIFUNCTION 1.12.0.0  
 6/22/2007 Hewlett-Packard Company oem14.inf Not Available  
 PCI\VEN\_0E11&DEV\_B204&SUBSYS\_3304103C&REV\_03\4&3A321F38&0&22F0  
 HP ProLiant iLO2 Advanced System Management Controller Yes SYSTEM 5.42.0.0  
 11/10/2006 Compaq oem6.inf Not Available  
 PCI\VEN\_0E11&DEV\_B203&SUBSYS\_3304103C&REV\_03\4&3A321F38&0&20F0  
 Default Monitor Yes MONITOR 5.1.2001.0 6/6/2001 (Standard monitor  
 types) monitor.inf Not Available  
 DISPLAY\DEFAULT\_MONITOR\5&64D83BD&0&10000000&01&03  
 Plug and Play Monitor Yes MONITOR 5.1.2001.0 6/6/2001 (Standard  
 monitor types) monitor.inf Not Available  
 DISPLAY\AVO0000\5&64D83BD&0&10000081&01&03  
 ATI ES1000 Yes DISPLAY 8.24.3.0 4/5/2006 ATI Technologies Inc.  
 oem5.inf Not Available  
 PCI\VEN\_1002&DEV\_515E&SUBSYS\_31FB103C&REV\_02\4&3A321F38&0&18F0  
 Intel(R) 82801 PCI Bridge - 244E Yes SYSTEM 5.2.3790.3959 10/1/2002 Intel  
 machine.inf Not Available  
 PCI\VEN\_8086&DEV\_244E&SUBSYS\_00000000&REV\_C2\3&61AAA01&0&F0  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB20\4&2FD212BF&0  
 Intel(R) 82801EB USB2 Enhanced Host Controller - 24DD Yes USB 5.2.3790.1830  
 10/1/2002 Intel usbport.inf Not Available  
 PCI\VEN\_8086&DEV\_24DD&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&EF  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB\4&30F23CBA&0  
 Intel(R) 82801EB USB Universal Host Controller - 24DE Yes USB 5.2.3790.1830  
 10/1/2002 Intel usbport.inf Not Available  
 PCI\VEN\_8086&DEV\_24DE&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&EB  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB\4&37C515E4&0  
 Intel(R) 82801EB USB Universal Host Controller - 24D7 Yes USB 5.2.3790.1830  
 10/1/2002 Intel usbport.inf Not Available  
 PCI\VEN\_8086&DEV\_24D7&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&EA  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB\4&D96298E&0  
 Intel(R) 82801EB USB Universal Host Controller - 24D4 Yes USB 5.2.3790.1830  
 10/1/2002 Intel usbport.inf Not Available  
 PCI\VEN\_8086&DEV\_24D4&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&E9  
 USB Root Hub Yes USB 5.2.3790.1830 10/1/2002 (Standard USB Host Controller)  
 usbport.inf Not Available USB\ROOT\_HUB\4&1502BACF&0

Intel(R) 82801EB USB Universal Host Controller - 24D2 Yes USB 5.2.3790.1830  
10/1/2002 Intel usbport.inf Not Available  
PCI\VEN\_8086&DEV\_24D2&SUBSYS\_3201103C&REV\_02\3&61AAA01&0&E8  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_261E&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9F  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_261D&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9E  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_261C&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9D  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_261B&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9C  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_261A&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9B  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2619&SUBSYS\_00000000&REV\_11\3&61AAA01&0&9A  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2618&SUBSYS\_00000000&REV\_11\3&61AAA01&0&99  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2617&SUBSYS\_00000000&REV\_11\3&61AAA01&0&98  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2615&SUBSYS\_00000000&REV\_11\3&61AAA01&0&8A  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2614&SUBSYS\_00000000&REV\_11\3&61AAA01&0&89  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2613&SUBSYS\_00000000&REV\_11\3&61AAA01&0&88  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2612&SUBSYS\_00000000&REV\_11\3&61AAA01&0&82  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2611&SUBSYS\_00000000&REV\_11\3&61AAA01&0&81  
PCI standard host CPU bridge Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2610&SUBSYS\_00000000&REV\_11\3&61AAA01&0&80  
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2627&SUBSYS\_00000000&REV\_11\3&61AAA01&0&7F  
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2626&SUBSYS\_00000000&REV\_11\3&61AAA01&0&7E  
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002  
(Standard system devices) machine.inf Not Available  
PCI\VEN\_8086&DEV\_2625&SUBSYS\_00000000&REV\_11\3&61AAA01&0&7D





PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2624&SUBSYS_00000000&REV_11\3&61AAA01&0&5C					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&5B					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&5A					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&59					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&58					
PCI standard host CPU bridge (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&50					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2627&SUBSYS_00000000&REV_11\3&61AAA01&0&4F					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2626&SUBSYS_00000000&REV_11\3&61AAA01&0&4E					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2625&SUBSYS_00000000&REV_11\3&61AAA01&0&4D					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2624&SUBSYS_00000000&REV_11\3&61AAA01&0&4C					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&4B					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&4A					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&49					
PCI standard RAM Controller (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&48					
PCI standard host CPU bridge (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&40					
PCI standard PCI-to-PCI bridge (Standard system devices)	Yes machine.inf	SYSTEM Not Available	5.2.3790.1830	10/1/2002	
PCI\VEN_8086&DEV_2607&SUBSYS_00000000&REV_11\3&61AAA01&0&38					
Disk drive	Yes	DISKDRIVE	5.2.3790.0	10/1/2002	(Standard disk drives) disk.inf
Not Available					
SCSIDISK&VEN_HP&PROD_LOGICAL_VOLUME&REV_4.06\5&4CE1325&0&000400					
HP Virtual LUN	Yes	SYSTEM	5.2.3790.3959	10/1/2002	Compaq
scsidev.inf Not Available					
SCSIOTHER&VEN_COMPAQ&PROD_SCSI_COMMUNICATE&REV_CIS2\5&4CE1325&0&000000					

Smart Array P400 Controller	Yes	SCSIADAPTER 6.8.0.32	6/21/2007	Hewlett-Packard Company	oem13.inf	Not Available	PCIIVEN_103C&DEV_3230&SUBSYS_3234103C&REV_03\4&1ADCC485&0&0030
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	machine.inf	Not Available
							PCIIVEN_8086&DEV_2606&SUBSYS_00000000&REV_11\3&61AAA01&0&30
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	machine.inf	Not Available
							PCIIVEN_8086&DEV_2605&SUBSYS_00000000&REV_11\3&61AAA01&0&28
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	machine.inf	Not Available
							PCIIVEN_8086&DEV_2604&SUBSYS_00000000&REV_11\3&61AAA01&0&20
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	machine.inf	Not Available
							PCIIVEN_8086&DEV_2603&SUBSYS_00000000&REV_11\3&61AAA01&0&18
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	machine.inf	Not Available
							PCIIVEN_8086&DEV_2602&SUBSYS_00000000&REV_11\3&61AAA01&0&10
HP NC371i Multifunction Gigabit Server Adapter	Yes	NET	3.4.10.0	5/25/2007	Hewlett-Packard Company	oem9.inf	Not Available
							B06BDR\VL2ND&PCI_164A14E4&SUBSYS_1709103C&REV_02\6&2ACCEB87&0&20050703
HP NC371i Virtual Bus Device	Yes	SYSTEM	3.4.10.0	5/22/2007	Hewlett-Packard Company	oem12.inf	Not Available
							PCIIVEN_14E4&DEV_164A&SUBSYS_1709103C&REV_02\5&1F3A0720&0&180208
Intel(R) 6700PXH PCI Express-to-PCI Bridge B - 032A	Yes	SYSTEM	5.2.3790.3959	10/1/2002	Intel	machine.inf	Not Available
							PCIIVEN_8086&DEV_032A&SUBSYS_00000000&REV_09\4&17EB8CDA&0&0208
HP NC371i Multifunction Gigabit Server Adapter	Yes	NET	3.4.10.0	5/25/2007	Hewlett-Packard Company	oem9.inf	Not Available
							B06BDR\VL2ND&PCI_164A14E4&SUBSYS_1709103C&REV_02\6&39A52BEF&0&20050303
HP NC371i Virtual Bus Device	Yes	SYSTEM	3.4.10.0	5/22/2007	Hewlett-Packard Company	oem12.inf	Not Available
							PCIIVEN_14E4&DEV_164A&SUBSYS_1709103C&REV_02\5&17D5B762&0&180008
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000009
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000008
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000007
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000006
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000005
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000002
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20	7/7/2006	(Symmetrix system devices)	emcpsymmclass.inf	Not Available
							SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000001

Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&164203A&0&000000						
Emulex LightPulse HBA - Storport Miniport Driver	Yes	SCSIADAPTER	5.1.30.9			
3/19/2007 Emulex oem18.inf		Not Available				
PCIIVEN_10DF&DEV_F980&SUBSYS_F98010DF&REV_01\5&17D5B762&0&100008						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000009						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000008						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000007						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000006						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000005						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000002						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000001						
Multi-Path class driver for EMC Symmetrix Arrays	Yes	DISKDRIVE	4.5.1.20			
7/7/2006 (Symmetrix system devices)		emcpsymmclass.inf	Not Available			
SCSIIDISK&VEN_EMC&PROD_SYMMETRIX&REV_5671\6&196F8AE2&0&000000						
Emulex LightPulse HBA - Storport Miniport Driver	Yes	SCSIADAPTER	5.1.30.9			
3/19/2007 Emulex oem18.inf		Not Available				
PCIIVEN_10DF&DEV_F980&SUBSYS_F98010DF&REV_01\5&17D5B762&0&080008						
Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329	Yes	SYSTEM	5.2.3790.3959			
10/1/2002 Intel machine.inf		Not Available				
PCIIVEN_8086&DEV_0329&SUBSYS_00000000&REV_09\4&17EB8CDA&0&0008						
PCI standard PCI-to-PCI bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002		
(Standard system devices)		machine.inf	Not Available			
PCIIVEN_8086&DEV_2601&SUBSYS_00000000&REV_11\3&61AAA01&0&08						
PCI standard host CPU bridge	Yes	SYSTEM	5.2.3790.1830	10/1/2002		
(Standard system devices)		machine.inf	Not Available			
PCIIVEN_8086&DEV_2600&SUBSYS_00000000&REV_11\3&61AAA01&0&00						
PCI bus	Yes	SYSTEM	5.2.3790.1830	10/1/2002	(Standard system devices)	
machine.inf		Not Available	ACPIPNP0A03\2&DABA3FF&0			
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\15				
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\14				
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\13				
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\12				
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\11				
Intel Processor	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf Not
Available		ACPIGENUINEINTEL_-X86_FAMILY_15_MODEL_6\10				

Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Intel Processor Available	Yes	PROCESSOR	5.2.3790.3959	10/1/2002	Intel	cpu.inf	Not
Microsoft ACPI-Compliant System	Yes	SYSTEM	5.2.3790.0	10/1/2002			
Microsoft ACPI Multiprocessor computers)	acpi.inf	Not Available	ACPI_HAL\PNP0C08\0				
PC (Standard	Yes	COMPUTER	5.2.3790.1830	10/1/2002			(Standard
hal.inf	Not Available	ROOT\ACPI_HAL\0000					
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Not Available	Not Available	HTREE\ROOT\0					

[Environment Variables]

Variable	Value	User_Name	
ClusterLog	C:\WINDOWS\Cluster\cluster.log		<SYSTEM>
ComSpec	%SystemRoot%\system32\cmd.exe		<SYSTEM>
FP_NO_HOST_CHECK	NO		<SYSTEM>
NUMBER_OF_PROCESSORS	16		<SYSTEM>
OS	Windows_NT		<SYSTEM>
Path	C:\Program Files\EMC\PowerPath\;C:\Program Files\HP\NCU;%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;C:\Program Files\EMC\SYMCLI\bin		<SYSTEM>
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH		<SYSTEM>
PROCESSOR_ARCHITECTURE	x86		<SYSTEM>
PROCESSOR_IDENTIFIER	x86 Family 15 Model 6 Stepping 8, GenuineIntel		<SYSTEM>
PROCESSOR_LEVEL	15		<SYSTEM>
PROCESSOR_REVISION	0608		<SYSTEM>
TEMP	%SystemRoot%\TEMP		<SYSTEM>
TMP	%SystemRoot%\TEMP		<SYSTEM>
windir	%SystemRoot%		<SYSTEM>
TEMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\SYSTEM
TMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\SYSTEM
TEMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\LOCAL SERVICE
TMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\LOCAL SERVICE
TEMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\NETWORK SERVICE
TMP	%USERPROFILE%\Local Settings\Temp		NT AUTHORITY\NETWORK SERVICE
TEMP	%USERPROFILE%\Local Settings\Temp		VHAMASTER\vhamocparsov
TMP	%USERPROFILE%\Local Settings\Temp		VHAMASTER\vhamocparsov
TEMP	%USERPROFILE%\Local Settings\Temp		VHAMASTER\vancrvwcluster
TMP	%USERPROFILE%\Local Settings\Temp		VHAMASTER\vancrvwcluster

[Print Jobs]

Document	Size	Owner	Notify	Status	Time_Submitted	Start_Time	Until_Time
Elapsed_Time	Pages_Printed	Job_ID	Priority	Parameters	Driver	Print_Processor	
Host_Print_Queue	Data_Type	Name					

[Network Connections]

Local_Name	Remote_Name	Type	Status	User_Name
Z:	\\vhamocfpcb\vhamocusers\vhamocparsov	Disk	Current	Connection
	VHAMASTER\vhamocparsov			

[Running Tasks]

Name	Path	Process_ID	Priority	Min_Working_Set	Max_Working_Set	Start_Time	Version	Size	File_Date
system	idle process	Not Available	0	0	Not Available	Not Available	Not Available	Not Available	Not Available
system	Not Available	4	8	0	1380	Not Available	Not Available	Not Available	Not Available
smss.exe	Not Available	452	11	200	1380	7/14/2008 11:04 AM	Not Available	Not Available	Not Available
csrss.exe	Not Available	508	13	Not Available	Not Available	7/14/2008 11:04 AM	Not Available	Not Available	Not Available
winlogon.exe	c:\windows\system32\winlogon.exe			536	13	200	1380		
				7/14/2008 11:04 AM				5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	516.00 KB (528,384 bytes)
services.exe	c:\windows\system32\services.exe			584	9	200	1380		
				7/14/2008 11:04 AM				5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	108.50 KB (111,104 bytes)
lsass.exe	c:\windows\system32\lsass.exe			596	9	200	1380		
				5.2.3790.0 (srv03_rtm.030324-2048)				13.00 KB (13,312 bytes)	11/30/2005 7:00 AM
svchost.exe	c:\windows\system32\svchost.exe			780	8	200	1380		
				11:04 AM				5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	14.50 KB (14,848 bytes)
									2/17/2007 9:04 AM
svchost.exe	Not Available	844	8	Not Available	Not Available	7/14/2008 11:04 AM	Not Available	Not Available	Not Available
svchost.exe	Not Available	908	8	Not Available	Not Available	7/14/2008 11:04 AM	Not Available	Not Available	Not Available
svchost.exe	Not Available	948	8	Not Available	Not Available	7/14/2008 11:04 AM	Not Available	Not Available	Not Available
svchost.exe	c:\windows\system32\svchost.exe			964	8	200	1380		
				11:04 AM				5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	14.50 KB (14,848 bytes)
									2/17/2007 9:04 AM
spoolsv.exe	c:\windows\system32\spoolsv.exe			1120	8	200	1380		
				11:04 AM				5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	56.50 KB (57,856 bytes)
									2/17/2007 9:04 AM
cisserv.exe	c:\program files\hp\cisserv\cisserv.exe			1248	8	200	1380		
				7/14/2008 11:04 AM				6.4.0.32 Build 1 (x86) built by: buildsrv	80.50 KB (82,432 bytes)
									6/11/2007 11:01 AM
vcagent.exe	c:\hp\hpsmh\data\cgi-bin\vcagent\vcagent.exe			1268	8	200	1380		
				7/14/2008 11:04 AM				2.1.9.790	724.07 KB (741,449 bytes)
									7/9/2007 7:08 PM

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eccservice_masteragent.exe      c:\ecc\exec\eccservice_masteragent.exe      1296  8
200 1380 7/14/2008 11:04 AM 1, 0, 0, 1 96.00 KB (98,304 bytes)12/14/2007
1:09 PM
emcpowsrv.exe c:\program files\emc\powercommon\emcpowsrv.exe 1320 8 200
1380 7/14/2008 11:04 AM 4.5.1.0002 240.00 KB (245,760 bytes) 7/7/2006 7:02
AM
mstragent.exe c:\ecc\exec\mstragent.exe 1328 8 200 1380 7/14/2008
11:04 AM Not Available 2.84 MB (2,973,775 bytes) 12/14/2007 1:09 PM
rmserver.exe c:\program files\emulex\util\common\rmserver.exe 1344 8 200
1380 7/14/2008 11:04 AM X 624.00 KB (638,976 bytes) 11/3/2006 3:18 PM
mstragent.exe c:\ecc\exec\mstragent.exe 1356 8 200 1380 7/14/2008
11:04 AM Not Available 2.84 MB (2,973,775 bytes) 12/14/2007 1:09 PM
hbahsmgr.exe c:\program files\emulex\util\common\hbahsmgr.exe 1384 8 200
1380 7/14/2008 11:04 AM X 124.00 KB (126,976 bytes) 11/3/2006 3:13 PM
svchost.exe c:\windows\system32\svchost.exe 1412 8 200 1380 7/14/2008
11:04 AM 5.2.3790.3959 (srv03_sp2_rtm.070216-1710) 14.50 KB (14,848 bytes)2/17/2007 9:04
AM
inetinfo.exe c:\windows\system32\inetrv\inetinfo.exe 1588 8 200 1380
7/14/2008 11:04 AM 6.0.3790.3959 (srv03_sp2_rtm.070216-1710) 14.00 KB (14,336 bytes)
2/17/2007 9:03 AM
frameworkservice.exe c:\program files\mcafee\common framework\frameworkservice.exe
1616 8 200 1380 7/14/2008 11:04 AM 3.6.0.569 101.31 KB (103,744
bytes) 12/12/2007 2:32 PM
mcshield.exe c:\program files\network associates\virusscan\mcshield.exe 1672 13
200 1380 7/14/2008 11:04 AM 8.0.0.341 216.01 KB (221,191 bytes)
11/26/2007 7:00 PM
vstskmgr.exe c:\program files\network associates\virusscan\vstskmgr.exe 1704 8
200 1380 7/14/2008 11:04 AM 8.0.0.1004 28.50 KB (29,184 bytes)11/26/2007
7:00 PM
svchost.exe Not Available 1804 8 Not Available Not Available 7/14/2008 11:04 AM
Not Available Not Available Not Available
symapisrv.exe c:\program files\emc\symcli\bin\symapisrv.exe 1832 8 200 1380
7/14/2008 11:04 AM V6.2-733 256.00 KB (262,144 bytes) 12/14/2007 12:47 AM
siuserice.exe c:\windows\system32\siuserice.exe 1868 8 200 1380
7/14/2008 11:04 AM 3.9.0.11 252.08 KB (258,125 bytes) 12/14/2007 12:47 AM
symapisrv.exe c:\program files\emc\symcli\bin\symapisrv.exe 1872 8 200 1380
7/14/2008 11:04 AM V6.2-733 256.00 KB (262,144 bytes) 12/14/2007 12:47 AM
smhstart.exe c:\hp\hpsmh\bin\smhstart.exe 1972 8 200 1380 7/14/2008
11:04 AM 2.1.10.186 1.35 MB (1,413,186 bytes) 12/11/2007 5:42 PM
svchost.exe c:\windows\system32\svchost.exe 2024 8 200 1380 7/14/2008
11:04 AM 5.2.3790.3959 (srv03_sp2_rtm.070216-1710) 14.50 KB (14,848 bytes)2/17/2007 9:04
AM
sysdown.exe c:\windows\system32\sysdown.exe 2080 8 200 1380
7/14/2008 11:04 AM 5.35.0.0 built by: buildsrv 9.00 KB (9,216 bytes) 12/11/2007
5:41 PM
svchost.exe c:\windows\system32\svchost.exe 2132 8 200 1380 7/14/2008
11:04 AM 5.2.3790.3959 (srv03_sp2_rtm.070216-1710) 14.50 KB (14,848 bytes)2/17/2007 9:04
AM
hpsmhd.exe c:\hp\hpsmh\bin\hpsmhd.exe 2336 8 200 1380 7/14/2008
11:04 AM 2.1.10.186 24.05 KB (24,631 bytes)12/11/2007 5:42 PM
rotatlogs.exe c:\hp\hpsmh\bin\rotatlogs.exe 2684 8 200 1380 7/14/2008
11:04 AM 2.0.49 40.07 KB (41,027 bytes)12/11/2007 5:42 PM
rotatlogs.exe c:\hp\hpsmh\bin\rotatlogs.exe 2692 8 200 1380 7/14/2008
11:04 AM 2.0.49 40.07 KB (41,027 bytes)12/11/2007 5:42 PM
hpsmhd.exe c:\hp\hpsmh\bin\hpsmhd.exe 2700 8 200 1380 7/14/2008
11:04 AM 2.1.10.186 24.05 KB (24,631 bytes)12/11/2007 5:42 PM

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rotatelog.exe	c:\hp\hpsmh\bin\rotatelog.exe	2736	8	200	1380	7/14/2008
11:04 AM	2.0.49	40.07 KB (41,027 bytes)	12/11/2007 5:42 PM			
rotatelog.exe	c:\hp\hpsmh\bin\rotatelog.exe	2744	8	200	1380	7/14/2008
11:04 AM	2.0.49	40.07 KB (41,027 bytes)	12/11/2007 5:42 PM			
mnragent.exe	c:\ecc\exec\mnr520\mnragent.exe	4120	8	200	1380	
7/14/2008 11:05 AM	Not Available	5.25 MB (5,505,102 bytes)	12/14/2007 1:58 PM			
wmiprvse.exe	Not Available	5108	8	Not Available	Not Available	7/14/2008
11:06 AM	Not Available	Not Available	Not Available			
svchost.exe	c:\windows\system32\svchost.exe	5352	8	200	1380	7/14/2008
11:06 AM	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	14.50 KB (14,848 bytes)	2/17/2007 9:04 AM			
alg.exe	Not Available	5468	8	Not Available	Not Available	7/14/2008 11:06 AM
	Not Available	Not Available	Not Available			
clussvc.exe	Not Available	5832	13	Not Available	Not Available	7/14/2008 11:07 AM
	Not Available	Not Available	Not Available			
resrcmon.exe	c:\windows\cluster\resrcmon.exe	5952	13	200	1380	
7/14/2008 11:07 AM	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	66.50 KB (68,096 bytes)	12/11/2007 5:13 PM			
logon.scr	Not Available	2388	4	Not Available	Not Available	7/14/2008 11:16 AM
	Not Available	Not Available	Not Available			
msdtc.exe	Not Available	6548	8	Not Available	Not Available	7/17/2008 12:04 PM
	Not Available	Not Available	Not Available			
naprdmgr.exe	Not Available	7272	8	Not Available	Not Available	7/21/2008
11:05 AM	Not Available	Not Available	Not Available			
wmiprvse.exe	Not Available	6740	8	Not Available	Not Available	7/22/2008
10:41 AM	Not Available	Not Available	Not Available			
csrss.exe	Not Available	6304	13	Not Available	Not Available	7/27/2008 4:41 PM
	Not Available	Not Available	Not Available			
winlogon.exe	c:\windows\system32\winlogon.exe	6160	13	200	1380	
7/27/2008 4:41 PM	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	516.00 KB (528,384 bytes)	2/17/2007 9:04 AM			
rdpclip.exe	c:\windows\system32\rdpclip.exe	6272	8	200	1380	7/27/2008 4:41 PM
5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	68.00 KB (69,632 bytes)	12/11/2007 5:13 PM				
explorer.exe	c:\windows\explorer.exe	6664	8	200	1380	7/27/2008 4:41 PM
6.00.3790.3959 (srv03_sp2_rtm.070216-1710)	1.00 MB (1,053,184 bytes)	2/17/2007 9:03 AM				
cpqteam.exe	c:\program files\hp\ncu\cpqteam.exe	2568	8	200	1380	
7/27/2008 4:41 PM	8.70.0.15	68.00 KB (69,632 bytes)	6/28/2007 1:36 PM			
udaterui.exe	c:\program files\mcafee\common framework\udaterui.exe	1996	8	200	1380	7/27/2008 4:41 PM
3.6.0.569	133.31 KB (136,512 bytes)	12/12/2007 2:32 PM				
shstat.exe	c:\program files\network associates\virusscan\shstat.exe	984	8	200	1380	
7/27/2008 4:41 PM	8.0.0.1040	96.00 KB (98,304 bytes)	9/22/2004 8:00 AM			
mctray.exe	c:\program files\mcafee\common framework\mctray.exe	7384	8	200	1380	
7/27/2008 4:41 PM	1.0.0.125	84.00 KB (86,016 bytes)	12/12/2007 2:32 PM			
tbmon.exe	c:\program files\common files\network associates\talkback\tbmon.exe	5820	8	200	1380	7/27/2008 4:41 PM
2.0.275.0	144.06 KB (147,514 bytes)	10/7/2003 10:48 AM				
emcpowmon.exe	c:\program files\emc\powercommon\emcpowmon.exe	7108	8	200	1380	7/27/2008 4:41 PM
4.5.1.0002	244.00 KB (249,856 bytes)	7/7/2006 7:02 AM				
helpctr.exe	c:\windows\pchealth\helpctr\binaries\helpctr.exe	4996	8	200	1380	7/27/2008 6:36 PM
5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	778.00 KB (796,672 bytes)	12/11/2007 5:15 PM				



helpsvc.exe c:\windows\pchealth\helpctr\binaries\helpsvc.exe 6704 8 200 1380  
 7/27/2008 6:36 PM 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 745.00 KB (762,880  
 bytes) 12/11/2007 5:15 PM

[Loaded Modules]

Name	Version	Size	File_Date	Manufacturer	Path
winlogon	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	516.00 KB (528,384 bytes)		
	2/17/2007 9:04 AM	Microsoft Corporation	c:\windows\system32\winlogon.exe		
ntdll	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	747.50 KB (765,440 bytes)		
	11/30/2005 7:00 AM	Microsoft Corporation	c:\windows\system32\ntdll.dll		
kernel32	5.2.3790.4062	(srv03_sp2_gdr.070417-0203)	1,013.50 KB (1,037,824 bytes)		
	4/18/2007 12:25 PM	Microsoft Corporation	c:\windows\system32\kernel32.dll		
advapi32	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	604.00 KB (618,496 bytes)		
	11/30/2005 7:00 AM	Microsoft Corporation	c:\windows\system32\advapi32.dll		
rpcrt4	5.2.3790.4115	(srv03_sp2_gdr.070709-2335)	627.00 KB (642,048 bytes)		
	7/11/2007 6:38 AM	Microsoft Corporation	c:\windows\system32\rpcrt4.dll		
secur32	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	63.50 KB (65,024 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\secur32.dll		
crypt32	5.131.3790.3959	(srv03_sp2_rtm.070216-1710)	581.50 KB (595,456 bytes)		
	2/17/2007 9:02 AM	Microsoft Corporation	c:\windows\system32\crypt32.dll		
msvcrt	7.0.3790.3959	(srv03_sp2_rtm.070216-1710)	340.50 KB (348,672 bytes)		
	2/17/2007 9:03 AM	Microsoft Corporation	c:\windows\system32\msvcrt.dll		
user32	5.2.3790.4033	(srv03_sp2_gdr.070228-0030)	570.00 KB (583,680 bytes)		
	12/12/2007 2:10 PM	Microsoft Corporation	c:\windows\system32\user32.dll		
gdi32	5.2.3790.4237	(srv03_sp2_gdr.080215-1206)	276.50 KB (283,136 bytes)		
	2/18/2008 9:23 AM	Microsoft Corporation	c:\windows\system32\gdi32.dll		
msasn1	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	56.00 KB (57,344 bytes)		2/17/2007 9:02 AM
		Microsoft Corporation	c:\windows\system32\msasn1.dll		
nddeapi	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	17.50 KB (17,920 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\nddeapi.dll		
profmap	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	22.00 KB (22,528 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\profmap.dll		
netapi32	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	337.00 KB (345,088 bytes)		
	2/17/2007 9:03 AM	Microsoft Corporation	c:\windows\system32\netapi32.dll		
userenv	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	762.50 KB (780,800 bytes)		
	11/30/2005 7:00 AM	Microsoft Corporation	c:\windows\system32\userenv.dll		
psapi	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	20.00 KB (20,480 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\psapi.dll		
regapi	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	55.00 KB (56,320 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\regapi.dll		
setupapi	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	1.02 MB (1,069,568 bytes)		
	11/30/2005 7:00 AM	Microsoft Corporation	c:\windows\system32\setupapi.dll		
version	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	18.00 KB (18,432 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\version.dll		
winsta	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	55.00 KB (56,320 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\winsta.dll		
ws2_32	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	81.50 KB (83,456 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\ws2_32.dll		
ws2help	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	19.00 KB (19,456 bytes)		2/17/2007 9:03 AM
		Microsoft Corporation	c:\windows\system32\ws2help.dll		
msgina	5.2.3790.3959	(srv03_sp2_rtm.070216-1710)	1.15 MB (1,208,320 bytes)		
	2/17/2007 9:03 AM	Microsoft Corporation	c:\windows\system32\msgina.dll		
shsvcs	6.00.3790.3959	(srv03_sp2_rtm.070216-1710)	132.00 KB (135,168 bytes)		
	2/17/2007 9:03 AM	Microsoft Corporation	c:\windows\system32\shsvcs.dll		

shlwapi 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 312.50 KB (320,000 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\shlwapi.dll

sfc 5.2.3790.0 (srv03\_rtm.030324-2048) 4.50 KB (4,608 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\sfc.dll

sfc\_os 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 138.00 KB (141,312 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\sfc\_os.dll

wintrust 5.131.3790.3959 (srv03\_sp2\_rtm.070216-1710) 162.00 KB (165,888 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wintrust.dll

imagehlp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 144.50 KB (147,968 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\imagehlp.dll

ole32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 1.21 MB (1,267,200 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\ole32.dll

comctl32 6.0 (srv03\_sp2\_rtm.070216-1710) 1.00 MB (1,051,648 bytes) 12/12/2007  
9:56 AM Microsoft Corporation c:\windows\winsxs\x86\_microsoft.windows.common-  
controls\_6595b64144ccf1df\_6.0.3790.3959\_x-ww\_d8713e55\comctl32.dll

winscard 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 97.00 KB (99,328 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\winscard.dll

wtsapi32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 19.00 KB (19,456 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wtsapi32.dll

sxs 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 744.50 KB (762,368 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\sxs.dll

winmm 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 170.00 KB (174,080 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\winmm.dll

shell32 6.00.3790.4184 (srv03\_sp2\_gdr.071106-1258) 7.97 MB (8,360,448 bytes)  
11/7/2007 8:49 AM Microsoft Corporation c:\windows\system32\shell32.dll

rsaenh 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 208.34 KB (213,336 bytes)  
2/18/2007 3:12 AM Microsoft Corporation c:\windows\system32\rsaenh.dll

wsock32 5.2.3790.0 (srv03\_rtm.030324-2048) 22.00 KB (22,528 bytes)11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\wsock32.dll

iphlpapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 93.00 KB (95,232 bytes)2/17/2007 9:02  
AM Microsoft Corporation c:\windows\system32\iphlpapi.dll

icmp 5.2.3790.0 (srv03\_rtm.030324-2048) 4.50 KB (4,608 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\icmp.dll

mprapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 88.50 KB (90,624 bytes)2/17/2007 9:02  
AM Microsoft Corporation c:\windows\system32\mprapi.dll

activeds 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 195.50 KB (200,192 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\activeds.dll

adslsdp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 149.50 KB (153,088 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\adslsdp.dll

wldap32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 175.50 KB (179,712 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wldap32.dll

credui 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 162.00 KB (165,888 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\credui.dll

atl 3.05.2283 83.00 KB (84,992 bytes)11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\atl.dll

oleaut32 5.2.3790.4202 541.00 KB (553,984 bytes) 11/30/2005 7:00 AM Microsoft  
Corporation c:\windows\system32\oleaut32.dll

rtutils 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 34.00 KB (34,816 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\rtutils.dll

samlib 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 46.00 KB (47,104 bytes)11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\samlib.dll

msocket 5.2.3790.4318 (srv03\_sp2\_gdr.080620-1216) 250.00 KB (256,000 bytes)  
6/20/2008 2:19 PM Microsoft Corporation c:\windows\system32\msocket.dll

kerberos 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 342.50 KB (350,720 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\kerberos.dll

cryptdll 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 32.50 KB (33,280 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\cryptdll.dll

hnetcfg 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 347.00 KB (355,328 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\hnetcfg.dll

wshtcpip 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 18.50 KB (18,944 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wshtcpip.dll

ntdsapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 70.00 KB (71,680 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\ntdsapi.dll

dnsapi 5.2.3790.4318 (srv03\_sp2\_gdr.080620-1216) 157.00 KB (160,768 bytes)6/20/2008 2:19 PM Microsoft Corporation c:\windows\system32\dnsapi.dll

cscdll 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 99.50 KB (101,888 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\cscdll.dll

dimsntfy 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 19.00 KB (19,456 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\dimsntfy.dll

wlnotify 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 94.50 KB (96,768 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wlnotify.dll

winspool 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 147.00 KB (150,528 bytes)11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\winspool.drv

mpr5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 56.50 KB (57,856 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\mpr.dll

comctl32 5.82 (srv03\_sp2\_rtm.070216-1710) 585.00 KB (599,040 bytes)12/12/2007 9:56 AM Microsoft Corporation c:\windows\winsxs\x86\_microsoft.windows.common-controls\_6595b64144ccf1df\_5.82.3790.3959\_x-ww\_78fcf8d0\comctl32.dll

uxtheme 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 202.00 KB (206,848 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\uxtheme.dll

clbcatq 2001.12.4720.3959 (srv03\_sp2\_rtm.070216-1710) 499.00 KB (510,976 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\clbcatq.dll

comres 2001.12.4720.3959 (srv03\_sp2\_rtm.070216-1710) 778.50 KB (797,184 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\comres.dll

wbemprox 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 20.50 KB (20,992 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wbemprox.dll

wbemcomn 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 220.50 KB (225,792 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wbemcomn.dll

xpsp2res 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 2.76 MB (2,897,920 bytes)2/17/2007 12:35 AM Microsoft Corporation c:\windows\system32\xpsp2res.dll

wbemsvc 5.2.3790.0 (srv03\_rtm.030324-2048) 42.50 KB (43,520 bytes)12/11/2007 5:13 PM Microsoft Corporation c:\windows\system32\wbem\wbemsvc.dll

fastprox 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 471.50 KB (482,816 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\wbem\fastprox.dll

msvcp60 7.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 393.50 KB (402,944 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\msvcp60.dll

cabinet 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 86.50 KB (88,576 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\cabinet.dll

services 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 108.50 KB (111,104 bytes)11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\services.exe

scesrv 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 327.00 KB (334,848 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\scesrv.dll

authz 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 69.00 KB (70,656 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\authz.dll

umpnpgm 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 125.00 KB (128,000 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\umpnpgm.dll

ncobjapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 36.00 KB (36,864 bytes)2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\ncobjapi.dll

eventlog 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 67.00 KB (68,608 bytes)2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\eventlog.dll

entapi 8.0.0.455 36.06 KB (36,922 bytes) 11/26/2007 7:00 PM McAfee, Inc  
c:\windows\system32\entapi.dll  
wininet 6.00.3790.4275 (srv03\_sp2\_gdr.080417-1307) 655.00 KB (670,720 bytes)  
4/21/2008 4:47 AM Microsoft Corporation c:\windows\system32\wininet.dll  
clussprt 5.2.3790.0 (srv03\_rtm.030324-2048) 13.00 KB (13,312 bytes) 12/11/2007 5:13 PM  
Microsoft Corporation c:\windows\system32\clussprt.dll  
esent 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 1,020.00 KB (1,044,480 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\esent.dll  
lsass 5.2.3790.0 (srv03\_rtm.030324-2048) 13.00 KB (13,312 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\lsass.exe  
lsasrv 5.2.3790.4186 (srv03\_sp2\_gdr.071108-1306) 796.50 KB (815,616 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\lsasrv.dll  
samsrv 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 444.00 KB (454,656 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\samsrv.dll  
msprivs 5.2.3790.0 (srv03\_rtm.030324-2048) 46.50 KB (47,616 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\msprivs.dll  
msv1\_0 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 140.00 KB (143,360 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\msv1\_0.dll  
netlogon 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 420.50 KB (430,592 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\netlogon.dll  
w32time 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 222.00 KB (227,328 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\w32time.dll  
schannel 5.2.3790.4068 (srv03\_sp2\_gdr.070425-2330) 143.50 KB (146,944 bytes)  
4/25/2007 5:02 PM Microsoft Corporation c:\windows\system32\schannel.dll  
wdigest 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 74.50 KB (76,288 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wdigest.dll  
rassfm 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 23.00 KB (23,552 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\rassfm.dll  
kdcsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 214.50 KB (219,648 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\kdcsvc.dll  
ntdsa 5.2.3790.4070 (srv03\_sp2\_gdr.070427-0455) 1.45 MB (1,522,176 bytes)  
4/30/2007 2:34 AM Microsoft Corporation c:\windows\system32\ntdsa.dll  
ntdsatq 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 29.50 KB (30,208 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\ntdsatq.dll  
scecli 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 184.50 KB (188,928 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\scecli.dll  
ws03res 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 793.50 KB (812,544 bytes)  
2/17/2007 12:35 AM Microsoft Corporation c:\windows\system32\ws03res.dll  
ipsecsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 184.50 KB (188,928 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\ipsecsvc.dll  
oakley 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 344.00 KB (352,256 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\oakley.dll  
winipsec 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 36.00 KB (36,864 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\winipsec.dll  
pstorsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 24.50 KB (25,088 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\pstorsvc.dll  
psbase 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 84.00 KB (86,016 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\psbase.dll  
dssenh 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 143.84 KB (147,288 bytes)  
2/18/2007 3:12 AM Microsoft Corporation c:\windows\system32\dssenh.dll  
wlbsctrl 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 82.00 KB (83,968 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wlbsctrl.dll  
w3ssl 6.0.3790.0 (srv03\_rtm.030324-2048) 15.00 KB (15,360 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\w3ssl.dll  
strmfilt 6.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 84.00 KB (86,016 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\strmfilt.dll

httpapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 24.00 KB (24,576 bytes) 11/30/2005  
 7:00 AM Microsoft Corporation c:\windows\system32\httpapi.dll  
 winmr 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 17.00 KB (17,408 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\winmr.dll  
 rasadhlp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 7.50 KB (7,680 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\rasadhlp.dll  
 svchost 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 14.50 KB (14,848 bytes) 2/17/2007 9:04  
 AM Microsoft Corporation c:\windows\system32\svchost.exe  
 rpcss 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 470.50 KB (481,792 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\rpcss.dll  
 ntmarta 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 119.00 KB (121,856 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\ntmarta.dll  
 wzcsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 478.00 KB (489,472 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wzcsvc.dll  
 wmi 5.2.3790.0 (srv03\_rtm.030324-2048) 6.50 KB (6,656 bytes) 11/30/2005 7:00 AM  
 Microsoft Corporation c:\windows\system32\wmi.dll  
 dhcpcsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 114.50 KB (117,248 bytes)  
 11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\dhcpcsvc.dll  
 rastls 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 181.00 KB (185,344 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\rastls.dll  
 cryptui 5.131.3790.3959 (srv03\_sp2\_rtm.070216-1710) 495.00 KB (506,880 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\cryptui.dll  
 rasapi32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 240.50 KB (246,272 bytes)  
 11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\rasapi32.dll  
 rasman 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 61.50 KB (62,976 bytes) 11/30/2005  
 7:00 AM Microsoft Corporation c:\windows\system32\rasman.dll  
 tapi32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 179.50 KB (183,808 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\tapi32.dll  
 raschap 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 119.50 KB (122,368 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\raschap.dll  
 schedsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 197.50 KB (202,240 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\schedsvc.dll  
 msidle 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 6.50 KB (6,656 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\msidle.dll  
 wkssvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 130.00 KB (133,120 bytes)  
 11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\wkssvc.dll  
 wiarpc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 32.50 KB (33,280 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\wiarpc.dll  
 aelupsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 26.00 KB (26,624 bytes) 2/17/2007 9:02  
 AM Microsoft Corporation c:\windows\system32\aelupsvc.dll  
 apphelp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 145.50 KB (148,992 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\apphelp.dll  
 cryptsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 55.00 KB (56,320 bytes) 2/17/2007 9:02  
 AM Microsoft Corporation c:\windows\system32\cryptsvc.dll  
 certcli 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 228.50 KB (233,984 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\certcli.dll  
 vssapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 548.50 KB (561,664 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\vssapi.dll  
 dmserver 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 25.50 KB (26,112 bytes) 2/17/2007 9:02  
 AM Microsoft Corporation c:\windows\system32\dmserver.dll  
 es 2001.12.4720.3959 (srv03\_sp2\_rtm.070216-1710) 233.00 KB (238,592 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\es.dll  
 pchsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 39.00 KB (39,936 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\pchealth\helpctr\binaries\pchsvc.dll  
 srvsvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 93.00 KB (95,232 bytes) 11/30/2005  
 7:00 AM Microsoft Corporation c:\windows\system32\srvsvc.dll

netman 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 257.50 KB (263,680 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\netman.dll

netshell 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 1.73 MB (1,809,920 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\netshell.dll

clusapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 59.50 KB (60,928 bytes)2/17/2007 9:02  
AM Microsoft Corporation c:\windows\system32\clusapi.dll

wzcsapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 42.00 KB (43,008 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wzcsapi.dll

seclogon 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 18.00 KB (18,432 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\seclogon.dll

sens 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 36.50 KB (37,376 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\sens.dll

trkwks 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 84.50 KB (86,528 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\trkwks.dll

wmisvc 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 140.00 KB (143,360 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wmisvc.dll

wuauerv 5.7.3790.3959 (srv03\_sp2\_rtm.070216-1710) 8.00 KB (8,192 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wuauerv.dll

wuaueng 7.0.6000.381 (winmain(wmbla).070730-1740) 1.63 MB (1,712,984 bytes)  
12/11/2007 5:15 PM Microsoft Corporation c:\windows\system32\wuaueng.dll

winhttp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 354.50 KB (363,008 bytes)  
12/12/2007 9:56 AM Microsoft Corporation  
c:\windows\winsxs\x86\_microsoft.windows.winhttp\_6595b64144ccf1df\_5.1.3790.3959\_x-  
ww\_d1a2c081\winhttp.dll

mspatcha 5.2.3790.0 (srv03\_rtm.030324-2048) 29.00 KB (29,696 bytes)11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\mspachta.dll

ipnathlp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 335.50 KB (343,552 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\ipnathlp.dll

comsvcs 2001.12.4720.3959 (srv03\_sp2\_rtm.070216-1710) 1.24 MB (1,295,872 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\comsvcs.dll

browser 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 76.50 KB (78,336 bytes)2/17/2007 9:02  
AM Microsoft Corporation c:\windows\system32\browser.dll

rasdlg 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 663.00 KB (678,912 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\rasdlg.dll

wbemcore 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 498.50 KB (510,464 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wbemcore.dll

esscli 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 250.00 KB (256,000 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\wbem\esscli.dll

wmiutils 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 93.50 KB (95,744 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wbem\wmiutils.dll

repdrvfs 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 172.50 KB (176,640 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\repdrvfs.dll

wmiprvsd 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 404.00 KB (413,696 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wmiprvsd.dll

wbemess 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 271.50 KB (278,016 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\wbem\wbemess.dll

ncprov 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 46.50 KB (47,616 bytes)2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\wbem\ncprov.dll

netcfgx 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 763.00 KB (781,312 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\netcfgx.dll

rasmans 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 177.50 KB (181,760 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\rasmans.dll

rastapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 62.00 KB (63,488 bytes)11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\rastapi.dll

rasppp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 205.00 KB (209,920 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\rasppp.dll

ntlsapi	5.2.3790.0 (srv03_rtm.030324-2048)	8.00 KB (8,192 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\ntlsapi.dll		
ipbootp	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	36.00 KB (36,864 bytes)	2/17/2007 9:02 AM	
	Microsoft Corporation	c:\windows\system32\ipbootp.dll		
netrap	5.2.3790.0 (srv03_rtm.030324-2048)	11.50 KB (11,776 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\netrap.dll		
spoolsv	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	56.50 KB (57,856 bytes)	2/17/2007 9:04 AM	
	Microsoft Corporation	c:\windows\system32\spoolsv.exe		
spoolss	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	84.50 KB (86,528 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\spoolss.dll		
localspl	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	334.00 KB (342,016 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\localspl.dll		
cnbjmon	5.2.3790.1224 (dnsvr(skatar).040514-1058)	46.50 KB (47,616 bytes)	2/17/2007 9:02 AM	
	Microsoft Corporation	c:\windows\system32\cnbjmon.dll		
pjlmon	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	15.00 KB (15,360 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\pjlmon.dll		
tcpmon	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	47.00 KB (48,128 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\tcpmon.dll		
wsnmp32	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	43.00 KB (44,032 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\wsnmp32.dll		
tcpmib	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	17.50 KB (17,920 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\tcpmib.dll		
mgmtapi	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	15.50 KB (15,872 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\mgmtapi.dll		
snmpapi	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	19.50 KB (19,968 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\snmpapi.dll		
usbmon	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	17.00 KB (17,408 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\usbmon.dll		
wshqos	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	24.00 KB (24,576 bytes)	2/17/2007 9:03 AM	
	Microsoft Corporation	c:\windows\system32\wshqos.dll		
win32spl	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	100.50 KB (102,912 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\win32spl.dll		
inetpp	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	74.50 KB (76,288 bytes)	2/17/2007 9:02 AM	
	Microsoft Corporation	c:\windows\system32\inetpp.dll		
cissesrv	6.4.0.32 Build 1 (x86) built by: buildsrv	80.50 KB (82,432 bytes)	6/11/2007 11:01 AM	
	Hewlett-Packard Company	c:\program files\hp\cissesrv\cissesrv.exe		
vcagent	2.1.9.790	724.07 KB (741,449 bytes)	7/9/2007 7:08 PM	Hewlett-Packard Company
		c:\hp\hpsmh\data\cgi-bin\vcagent\vcagent.exe		
xerces-c_2_4_0	2, 4, 0	2.37 MB (2,486,272 bytes)	4/27/2004 10:05 PM	Apache Software Foundation
		c:\hp\hpsmh\data\cgi-bin\vcagent\xerces-c_2_4_0.dll		
msvcirt	7.0.3790.0 (srv03_rtm.030324-2048)	50.00 KB (51,200 bytes)	11/30/2005 7:00 AM	
	Microsoft Corporation	c:\windows\system32\msvcirt.dll		
Xalan-C_1_7_0	1, 7, 0, 0	1.98 MB (2,072,576 bytes)	4/27/2004 10:04 PM	Apache Software Foundation
		c:\hp\hpsmh\data\cgi-bin\vcagent\xalan-c_1_7_0.dll		
XalanMessages_1_7_0	Not Available	60.00 KB (61,440 bytes)	4/27/2004 10:04 PM	Not Available
		c:\hp\hpsmh\data\cgi-bin\vcagent\xalanmessages_1_7_0.dll		
ssleay32	Not Available	156.00 KB (159,744 bytes)	12/11/2007 5:42 PM	Not Available
		c:\hp\hpsmh\bin\ssleay32.dll		
libey32	Not Available	864.00 KB (884,736 bytes)	12/11/2007 5:42 PM	Not Available
		c:\hp\hpsmh\bin\libey32.dll		
ECCService_MasterAgent	1, 0, 0, 1	96.00 KB (98,304 bytes)	12/14/2007 1:09 PM	
		c:\ecc\exec\eccservice_masteragent.exe		
EmcPowSrv	4.5.1.0002	240.00 KB (245,760 bytes)	7/7/2006 7:02 AM	EMC Corporation
		c:\program files\emc\powercommon\emcpowsrv.exe		
Emcp_cg_rtl	4.5.1.0002	108.00 KB (110,592 bytes)	7/7/2006 7:02 AM	EMC Corporation
		c:\program files\emc\powerpath\emcp_cg_rtl.dll		

mstragent	Not Available	2.84 MB (2,973,775 bytes)	12/14/2007 1:09 PM	Not Available
c:\ecc\exec\mstragent.exe				
msvcp60	6.00.8168.0	392.05 KB (401,462 bytes)	12/14/2007 1:09 PM	Microsoft Corporation
c:\ecc\exec\msvcp60.dll				
rmserver	X	624.00 KB (638,976 bytes)	11/3/2006 3:18 PM	Emulex Corporation
c:\program files\emulex\util\common\rmserver.exe				
hbaapi	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	37.50 KB (38,400 bytes)	11/30/2005 7:00 AM	Microsoft Corporation
c:\windows\system32\hbaapi.dll				
libdfc	3, 0, 0, 0	192.00 KB (196,608 bytes)	10/2/2006 3:19 PM	
c:\program files\emulex\util\common\libdfc.dll				
hbahsmgr	X	124.00 KB (126,976 bytes)	11/3/2006 3:13 PM	Emulex Corporation
c:\program files\emulex\util\common\hbahsmgr.exe				
ersvc	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	24.00 KB (24,576 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\ersvc.dll				
inetinfo	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	14.00 KB (14,336 bytes)	2/17/2007 9:03 AM	Microsoft Corporation
c:\windows\system32\inetsrv\inetinfo.exe				
iisutil	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	164.00 KB (167,936 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\inetsrv\iisutil.dll				
rpcref	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	4.00 KB (4,096 bytes)	2/17/2007 9:03 AM	Microsoft Corporation
c:\windows\system32\inetsrv\rpcref.dll				
iisrtl6	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	138.50 KB (141,824 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\iisrtl.dll				
iisadmin	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	21.00 KB (21,504 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\inetsrv\iisadmin.dll				
coadmin	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	62.50 KB (64,000 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\inetsrv\coadmin.dll				
admwprox	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	47.00 KB (48,128 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\admwprox.dll				
iiscfg	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	1.08 MB (1,133,056 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\inetsrv\iiscfg.dll				
metadata	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	229.00 KB (234,496 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\inetsrv\metadata.dll				
msxml3	8.90.1101.0	1.07 MB (1,119,232 bytes)	12/12/2007 2:13 PM	Microsoft Corporation
c:\windows\system32\msxml3.dll				
svcext	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	43.50 KB (44,544 bytes)	2/17/2007 9:03 AM	Microsoft Corporation
c:\windows\system32\inetsrv\svcext.dll				
security	5.2.3790.0 (srv03_rtm.030324-2048)	5.50 KB (5,632 bytes)	11/30/2005 7:00 AM	Microsoft Corporation
c:\windows\system32\security.dll				
iismap	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	58.50 KB (59,904 bytes)	2/17/2007 9:02 AM	Microsoft Corporation
c:\windows\system32\iismap.dll				
wamreg	6.0.3790.3959 (srv03_sp2_rtm.070216-1710)	54.50 KB (55,808 bytes)	2/17/2007 9:03 AM	Microsoft Corporation
c:\windows\system32\inetsrv\wamreg.dll				
wamregps	6.0.3790.0 (srv03_rtm.030324-2048)	7.00 KB (7,168 bytes)	1/3/2008 12:43 PM	Microsoft Corporation
c:\windows\system32\wamregps.dll				
FrameworkService	3.6.0.569	101.31 KB (103,744 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
c:\program files\mcafee\common framework\frameworkservice.exe				
nailog2	3.6.0.569	17.31 KB (17,728 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
c:\program files\mcafee\common framework\nailog2.dll				
msvcr71	7.10.3052.4	340.00 KB (348,160 bytes)	12/12/2007 2:32 PM	Microsoft Corporation
c:\program files\mcafee\common framework\msvcr71.dll				
naXML2_71	Not Available	117.31 KB (120,128 bytes)	12/12/2007 2:32 PM	Not Available
c:\program files\mcafee\common framework\naxml2_71.dll				
msvc71	7.10.3077.0	488.00 KB (499,712 bytes)	12/12/2007 2:32 PM	Microsoft Corporation
c:\program files\mcafee\common framework\msvc71.dll				
naCmnLib2_71	3.6.0.569	189.31 KB (193,856 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
c:\program files\mcafee\common framework\nacmnlb2_71.dll				



applib	3.6.0.569	165.31 KB (169,280 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\applib.dll		
agentres	3.6.0.569	105.31 KB (107,840 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\0409\agentres.dll		
logging	3.6.0.569	65.31 KB (66,880 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\logging.dll		
InternetManager	3.6.0.569	205.31 KB (210,240 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\internetmanager.dll		
nainet	3.6.0.569	129.31 KB (132,416 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\nainet.dll		
UserSpace	3.6.0.569	73.31 KB (75,072 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\userspace.dll		
SecureFrameworkFactory	3.6.0.569	69.31 KB (70,976 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\secureframeworkfactory.dll		
Management	3.6.0.569	157.31 KB (161,088 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\management.dll		
cmalib	3.6.0.569	45.31 KB (46,400 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\cmalib.dll		
naPolicyManager	3.6.0.569	125.31 KB (128,320 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\napolicymanager.dll		
naisign2	Not Available	153.31 KB (156,992 bytes)	12/12/2007 2:32 PM	Not Available
		c:\program files\mcafee\common framework\naisign2.dll		
epoPGPsd3.5.3	1.43 MB (1,495,552 bytes)		12/12/2007 2:32 PM	PGP Corporation
		c:\windows\system32\epogp353.dll		
ScriptSubSys	3.6.0.569	98.57 KB (100,936 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\scriptsubsys.dll		
UpdateSubSys	3.6.0.569	154.57 KB (158,280 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\updatesubsys.dll		
Scheduler	3.6.0.569	189.31 KB (193,856 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\scheduler.dll		
agent	3.6.0.569	149.31 KB (152,896 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\agent.dll		
naspipe	3.6.0.569	105.31 KB (107,840 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\naspipe.dll		
ListenServer	3.6.0.569	149.31 KB (152,896 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\listenserver.dll		
tcsubsys	3.6.0.569	94.57 KB (96,840 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\tcsubsys.dll		
GenEvtlnf	3.6.0.569	93.31 KB (95,552 bytes)	12/12/2007 2:32 PM	McAfee, Inc.
		c:\program files\mcafee\common framework\genevtlnf.dll		
sensapi	5.2.3790.3959 (srv03_sp2_rtm.070216-1710)	6.50 KB (6,656 bytes)	2/17/2007 9:03 AM	Microsoft Corporation
		c:\windows\system32\sensapi.dll		
mcshield	8.0.0.341	216.01 KB (221,191 bytes)	11/26/2007 7:00 PM	McAfee, Inc.
		c:\program files\network associates\virusscan\mcshield.exe		
lz32	5.2.3790.0 (srv03_rtm.030324-2048)	3.00 KB (3,072 bytes)	11/30/2005 7:00 AM	Microsoft Corporation
		c:\windows\system32\lz32.dll		
mcshield	8.0.0.251	12.50 KB (12,800 bytes)	9/22/2004 9:00 AM	Network Associates, Inc.
		c:\program files\network associates\virusscan\res09\mcshield.dll		
ftl	8.0.0.135	43.00 KB (44,032 bytes)	11/26/2007 7:00 PM	Network Associates, Inc.
		c:\program files\network associates\virusscan\ftl.dll		
naiann	8.0.0.308	60.00 KB (61,440 bytes)	11/26/2007 7:00 PM	Network Associates, Inc.
		c:\program files\network associates\virusscan\naiann.dll		
mytilus	8.0.0.344	140.00 KB (143,360 bytes)	11/26/2007 7:00 PM	McAfee, Inc.
		c:\program files\network associates\virusscan\mytilus.dll		
naeventu	8.0.0.356	176.09 KB (180,319 bytes)	11/26/2007 7:00 PM	Network Associates, Inc.
		c:\program files\network associates\virusscan\naeventu.dll		

comdlg32 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 267.00 KB (273,408 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\comdlg32.dll

naevtres 8.0.0.342 84.00 KB (86,016 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\naevtres.dll

vsidsvr 8.0.0.291 10.00 KB (10,240 bytes)11/26/2007 7:00 PM Network Associates,  
Inc. c:\program files\network associates\virusscan\vsidsvr.dll

mcscan32 5.2.00 2.60 MB (2,724,006 bytes) 10/7/2004 5:40 AM McAfee, Inc.  
c:\program files\common files\network associates\engine\mcscan32.dll

adsl dp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 174.50 KB (178,688 bytes)  
11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\adsl dp.dll

entsrv 8.0.0.455 388.79 KB (398,126 bytes) 11/26/2007 7:00 PM McAfee, Inc  
c:\program files\network associates\virusscan\entsrv.dll

msxml4 4.20.9848.0 1.22 MB (1,275,392 bytes) 5/8/2007 3:03 PM Microsoft  
Corporation c:\windows\system32\msxml4.dll

vstskmgr 8.0.0.1004 28.50 KB (29,184 bytes)11/26/2007 7:00 PM Network Associates,  
Inc. c:\program files\network associates\virusscan\vstskmgr.exe

shutil 8.0.0.1036 160.00 KB (163,840 bytes) 11/26/2007 7:00 PM McAfee, Inc.  
c:\program files\network associates\virusscan\shutil.dll

msi 3.1.4000.4042 2.72 MB (2,854,400 bytes) 12/12/2007 2:11 PM Microsoft Corporation  
c:\windows\system32\msi.dll

naiwmain 8.0.0.912 9.50 KB (9,728 bytes) 9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\naiwmain.dll

naicondl 8.0.0.912 60.00 KB (61,440 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\naicondl.dll

vstskmgr 8.0.0.912 3.00 KB (3,072 bytes) 9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\vstskmgr.dll

midutil 8.0.0.155 108.00 KB (110,592 bytes) 11/26/2007 7:00 PM McAfee, Inc.  
c:\program files\network associates\virusscan\midutil.dll

bbcpl 8.0.0.1047 104.00 KB (106,496 bytes) 11/26/2007 7:00 PM McAfee, Inc.  
c:\program files\network associates\virusscan\bbcpl.dll

coptcpl 8.0.0.912 120.00 KB (122,880 bytes) 9/22/2004 9:00 AM Network  
Associates, Inc. c:\program files\network associates\virusscan\coptcpl.dll

emcfgcpl 8.0.0.1019 88.00 KB (90,112 bytes)11/26/2007 7:00 PM McAfee, Inc.  
c:\program files\network associates\virusscan\emcfgcpl.dll

semalres 8.0.0.912 27.00 KB (27,648 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\semalres.dll

product 8.0.0.912 7.00 KB (7,168 bytes) 9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\product.dll

nvpcpl 8.0.0.912 60.00 KB (61,440 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\nvpcpl.dll

ftcfg 8.0.0.912 108.00 KB (110,592 bytes) 9/22/2004 9:00 AM Network  
Associates, Inc. c:\program files\network associates\virusscan\ftcfg.dll

oascpl 8.0.0.912 44.00 KB (45,056 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\oascpl.dll

vsodscpl 8.0.0.1037 220.00 KB (225,280 bytes) 11/26/2007 7:00 PM McAfee, Inc.  
c:\program files\network associates\virusscan\vsodscpl.dll

vsupdcpl 8.0.0.912 68.00 KB (69,632 bytes)9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\vsupdcpl.dll

symapisrv V6.2-733 256.00 KB (262,144 bytes) 12/14/2007 12:47 AM EMC  
Corporation c:\program files\emc\symcli\bin\symapisrv.exe

symapi V6.2-733 244.00 KB (249,856 bytes) 12/14/2007 12:47 AM EMC  
Corporation c:\windows\system32\symapi.dll

storcore V6.2-733 2.11 MB (2,215,936 bytes) 12/14/2007 12:47 AM EMC  
Corporation c:\windows\system32\storcore.dll

storpds V6.2-733 264.09 KB (270,424 bytes) 12/14/2007 12:47 AM EMC  
Corporation c:\windows\system32\storpds.dll

pdh 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 292.50 KB (299,520 bytes) 11/30/2005  
 7:00 AM Microsoft Corporation c:\windows\system32\pdh.dll  
 odbc32 3.526.3959.0 (srv03\_sp2\_rtm.070216-1710) 240.00 KB (245,760 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\odbc32.dll  
 odbcbcp 2000.086.3959.00 (srv03\_sp2\_rtm.070216-1710) 24.00 KB (24,576 bytes)  
 11/30/2005 7:00 AM Microsoft Corporation c:\windows\system32\odbcbcp.dll  
 symlvm V6.2-733 36.00 KB (36,864 bytes) 12/14/2007 12:47 AM EMC Corporation  
 c:\windows\system32\symlvm.dll  
 storapi V6.2-733 212.00 KB (217,088 bytes) 12/14/2007 12:47 AM EMC  
 Corporation c:\windows\system32\storapi.dll  
 odbcint 3.526.3959.0 (srv03\_sp2\_rtm.070216-1710) 92.00 KB (94,208 bytes) 2/16/2007  
 11:29 PM Microsoft Corporation c:\windows\system32\odbcint.dll  
 SIUService 3.9.0.11 252.08 KB (258,125 bytes) 12/14/2007 12:47 AM EMC  
 Corporation c:\windows\system32\siuser.exe  
 siuerr Not Available 6.50 KB (6,656 bytes) 12/14/2007 12:47 AM Not Available  
 c:\windows\system32\siuerr.dll  
 libemc\_crypto Not Available 836.00 KB (856,064 bytes) 12/14/2007 12:47 AM Not  
 Available c:\windows\system32\libemc\_crypto.dll  
 libemc\_ssl Not Available 156.00 KB (159,744 bytes) 12/14/2007 12:47 AM Not Available  
 c:\windows\system32\libemc\_ssl.dll  
 smhstart 2.1.10.186 1.35 MB (1,413,186 bytes) 12/11/2007 5:42 PM Hewlett-  
 Packard Company c:\hp\hpsmh\bin\smhstart.exe  
 libapr 0.0.0.0 124.06 KB (127,042 bytes) 12/11/2007 5:42 PM Apache Software  
 Foundation c:\hp\hpsmh\bin\libapr.dll  
 libhttpd 2.1.10.186 248.06 KB (254,009 bytes) 12/11/2007 5:42 PM Hewlett-  
 Packard Company c:\hp\hpsmh\bin\libhttpd.dll  
 libaprutil 0.0.0.0 164.07 KB (168,011 bytes) 12/11/2007 5:42 PM Apache Software  
 Foundation c:\hp\hpsmh\bin\libaprutil.dll  
 libapriconv 0.0.0.0 36.08 KB (36,941 bytes) 12/11/2007 5:42 PM Apache Software Foundation  
 c:\hp\hpsmh\bin\libapriconv.dll  
 domc Not Available 188.00 KB (192,512 bytes) 12/11/2007 5:42 PM Not Available  
 c:\hp\hpsmh\bin\domc.dll  
 termsrv 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 240.00 KB (245,760 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\termsrv.dll  
 icaapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 12.50 KB (12,800 bytes) 2/17/2007 9:02  
 AM Microsoft Corporation c:\windows\system32\icaapi.dll  
 mstlsapi 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 117.00 KB (119,808 bytes)  
 2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\mstlsapi.dll  
 rdpwsx 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 102.13 KB (104,584 bytes)  
 12/11/2007 5:13 PM Microsoft Corporation c:\windows\system32\rdpwsx.dll  
 sysdown 5.35.0.0 built by: buildsrv 9.00 KB (9,216 bytes) 12/11/2007 5:41 PM  
 Compaq Computer Corporation c:\windows\system32\sysdown.exe  
 iisw3adm 6.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 211.50 KB (216,576 bytes)  
 2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\inetrv\iisw3adm.dll  
 w3cache 6.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 19.00 KB (19,456 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\inetrv\w3cache.dll  
 w3tp 6.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 13.00 KB (13,312 bytes) 2/17/2007 9:03  
 AM Microsoft Corporation c:\windows\system32\inetrv\w3tp.dll  
 lonsint 6.0.3790.3959 (srv03\_sp2\_rtm.070216-1710) 13.00 KB (13,312 bytes) 2/17/2007 9:02  
 AM Microsoft Corporation c:\windows\system32\inetrv\lonsint.dll  
 hpsmhd 2.1.10.186 24.05 KB (24,631 bytes) 12/11/2007 5:42 PM Hewlett-Packard  
 Company c:\hp\hpsmh\bin\hpsmhd.exe  
 mod\_access 2.0.49 24.07 KB (24,647 bytes) 12/11/2007 5:42 PM Apache Software  
 Foundation c:\hp\hpsmh\modules\mod\_access.so  
 mod\_actions 2.0.49 24.07 KB (24,652 bytes) 12/11/2007 5:42 PM Apache Software  
 Foundation c:\hp\hpsmh\modules\mod\_actions.so

mod_alias	2.0.49	24.07 KB (24,650 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_alias.so				
mod_cgi	2.0.49	28.07 KB (28,747 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_cgi.so				
mod_dir	2.0.49	24.07 KB (24,648 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_dir.so				
mod_env	2.0.49	24.07 KB (24,649 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_env.so				
mod_imap	2.0.49	28.07 KB (28,745 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_imap.so				
mod_log_config	2.0.49	28.08 KB (28,751 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_log_config.so				
mod_mime	2.0.49	28.07 KB (28,742 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_mime.so				
mod_proxy	2.0.49	44.07 KB (45,128 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_proxy.so				
mod_proxy_connect	2.0.49	24.08 KB (24,656 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_proxy_connect.so				
mod_proxy_http	2.0.49	28.08 KB (28,749 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_proxy_http.so				
mod_negotiation	2.0.49	36.08 KB (36,944 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_negotiation.so				
mod_rewrite	2.0.49	56.07 KB (57,420 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_rewrite.so				
mod_setenvif	2.0.49	24.08 KB (24,654 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_setenvif.so				
mod_headers	2.0.49	24.08 KB (24,653 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_headers.so				
mod_ssl	2.0.49	116.07 KB (118,852 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\modules\mod_ssl.so				
mod_smh_aa	2.1.10.186	60.00 KB (61,440 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_aa.so				
mod_smh_config	2.1.10.186	96.00 KB (98,304 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_config.so				
domc	Not Available	188.00 KB (192,512 bytes)	12/11/2007 5:42 PM	Not Available
c:\hp\hpsmh\modules\domc.dll				
mod_smh_bc	2.1.10.186	60.00 KB (61,440 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_bc.so				
mod_smh_ui	2.1.10.186	60.00 KB (61,440 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_ui.so				
mod_smh_pkcs	2.1.10.186	44.00 KB (45,056 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_pkcs.so				
mod_smh_help	2.1.10.185	24.07 KB (24,651 bytes)	12/11/2007 5:42 PM	Hewlett-Packard Company
c:\hp\hpsmh\modules\mod_smh_help.so				
php4apache2	Not Available	28.00 KB (28,672 bytes)	12/11/2007 5:42 PM	Not Available
c:\hp\hpsmh\modules\php4apache2.so				
php4ts	4.4.7.7	1.19 MB (1,249,280 bytes)	12/11/2007 5:42 PM	The PHP Group
c:\hp\hpsmh\modules\php4ts.dll				
php_domxml	Not Available	696.00 KB (712,704 bytes)	12/11/2007 5:42 PM	Not Available
c:\hp\hpsmh\modules\php_domxml.dll				
iconv	1.9	868.00 KB (888,832 bytes)	12/11/2007 5:42 PM	Free Software Foundation
c:\hp\hpsmh\bin\iconv.dll				
rotatelog	2.0.49	40.07 KB (41,027 bytes)	12/11/2007 5:42 PM	Apache Software Foundation
c:\hp\hpsmh\bin\rotatelog.exe				
mnragent	Not Available	5.25 MB (5,505,102 bytes)	12/14/2007 1:58 PM	Not Available
c:\ecc\exec\mnr520\mnragent.exe				

pdh 5.00.1838.1 135.77 KB (139,024 bytes) 12/14/2007 1:58 PM Microsoft Corporation  
c:\ecc\exec\mnr520\pdh.dll

psapi 5.00.1849.1 16.77 KB (17,168 bytes) 12/14/2007 1:58 PM Microsoft Corporation  
c:\ecc\exec\mnr520\psapi.dll

spsutils Not Available 196.05 KB (200,759 bytes) 12/14/2007 1:58 PM Not Available  
c:\ecc\exec\mnr520\spsutils.dll

cfgmgr32 5.2.3790.0 (srv03\_rtm.030324-2048) 17.50 KB (17,920 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\cfgmgr32.dll

msvc60 6.00.8168.0 392.05 KB (401,462 bytes) 12/14/2007 1:58 PM Microsoft  
Corporation c:\ecc\exec\mnr520\msvc60.dll

tapisrv 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 249.00 KB (254,976 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\tapisrv.dll

unimdm 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 203.00 KB (207,872 bytes)  
2/17/2007 9:04 AM Microsoft Corporation c:\windows\system32\unimdm.tsp

uniplat 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 13.50 KB (13,824 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\uniplat.dll

kmddsp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 34.50 KB (35,328 bytes) 2/17/2007 9:04  
AM Microsoft Corporation c:\windows\system32\kmddsp.tsp

ndptsp 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 47.00 KB (48,128 bytes) 2/17/2007 9:04  
AM Microsoft Corporation c:\windows\system32\ndptsp.tsp

ipconf 5.2.3790.0 (srv03\_rtm.030324-2048) 16.50 KB (16,896 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\ipconf.tsp

h323 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 259.50 KB (265,728 bytes)  
2/17/2007 9:04 AM Microsoft Corporation c:\windows\system32\h323.tsp

hidphone 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 29.50 KB (30,208 bytes) 2/17/2007 9:04  
AM Microsoft Corporation c:\windows\system32\hidphone.tsp

hid 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 18.50 KB (18,944 bytes) 2/17/2007 9:02 AM  
Microsoft Corporation c:\windows\system32\hid.dll

resrcmon 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 66.50 KB (68,096 bytes) 12/11/2007  
5:13 PM Microsoft Corporation c:\windows\cluster\resrcmon.exe

resutils 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 62.00 KB (63,488 bytes) 2/17/2007 9:03  
AM Microsoft Corporation c:\windows\system32\resutils.dll

clusres 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 470.50 KB (481,792 bytes)  
12/11/2007 5:13 PM Microsoft Corporation c:\windows\cluster\clusres.dll

mfc42u 6.06.8063.0 1.11 MB (1,163,776 bytes) 11/30/2005 7:00 AM Microsoft  
Corporation c:\windows\system32\mfc42u.dll

mtxclu 2001.12.4720.3959 (srv03\_sp2\_rtm.070216-1710) 77.50 KB (79,360 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\mtxclu.dll

rdpsnd 5.2.3790.0 (srv03\_rtm.030324-2048) 18.00 KB (18,432 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\rdpsnd.dll

scredir 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 28.00 KB (28,672 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\scredir.dll

cscui 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 319.00 KB (326,656 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\cscui.dll

msacm32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 22.00 KB (22,528 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\msacm32.drv

msacm32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 69.50 KB (71,168 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\msacm32.dll

imaadp32 5.2.3790.0 (srv03\_rtm.030324-2048) 15.50 KB (15,872 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\imaadp32.acm

msadp32 5.2.3790.0 (srv03\_rtm.030324-2048) 14.50 KB (14,848 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\msadp32.acm

msg711 5.2.3790.0 (srv03\_rtm.030324-2048) 10.00 KB (10,240 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\msg711.acm

msgsm32 5.2.3790.0 (srv03\_rtm.030324-2048) 20.50 KB (20,992 bytes) 11/30/2005 7:00 AM  
Microsoft Corporation c:\windows\system32\msgsm32.acm

tssoft32 1.01 9.50 KB (9,728 bytes) 11/30/2005 7:00 AM DSP GROUP, INC.  
c:\windows\system32\tssoft32.acm

tsd32 1.03 16.50 KB (16,896 bytes) 11/30/2005 7:00 AM DSP GROUP, INC.  
c:\windows\system32\tsd32.dll

msg723 5.2.3790.3959 120.00 KB (122,880 bytes) 12/11/2007 5:14 PM Microsoft Corporation  
c:\windows\system32\msg723.acm

msaud32 8.00.00.4487 288.00 KB (294,912 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\msaud32.acm

sl\_anet 3.02 84.00 KB (86,016 bytes) 11/30/2005 7:00 AM Sipro Lab Telecom Inc.  
c:\windows\system32\sl\_anet.acm

l3codeca 1, 9, 0, 0305 284.00 KB (290,816 bytes) 11/30/2005 7:00 AM Fraunhofer Institut Integrierte Schaltungen IIS  
c:\windows\system32\l3codeca.acm

ntlman 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 43.00 KB (44,032 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\ntlman.dll

netui0 5.2.3790.0 (srv03\_rtm.030324-2048) 75.50 KB (77,312 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\netui0.dll

netui1 5.2.3790.0 (srv03\_rtm.030324-2048) 184.00 KB (188,416 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\netui1.dll

drprov 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 14.00 KB (14,336 bytes) 2/17/2007 9:02 AM Microsoft Corporation  
c:\windows\system32\drprov.dll

davclnt 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 25.50 KB (26,112 bytes) 2/17/2007 9:02 AM Microsoft Corporation  
c:\windows\system32\davclnt.dll

printui 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 555.00 KB (568,320 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\printui.dll

rdpclip 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 68.00 KB (69,632 bytes) 12/11/2007 5:13 PM Microsoft Corporation  
c:\windows\system32\rdpclip.exe

urlmon 6.00.3790.4275 (srv03\_sp2\_gdr.080417-1307) 682.00 KB (698,368 bytes) 4/21/2008 4:47 AM Microsoft Corporation  
c:\windows\system32\urlmon.dll

explorer 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 1.00 MB (1,053,184 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\explorer.exe

browseui 6.00.3790.4275 (srv03\_sp2\_gdr.080417-1307) 1,009.00 KB (1,033,216 bytes) 4/21/2008 4:47 AM Microsoft Corporation  
c:\windows\system32\browseui.dll

shdocvw 6.00.3790.4275 (srv03\_sp2\_gdr.080417-1307) 1.44 MB (1,508,352 bytes) 4/21/2008 4:47 AM Microsoft Corporation  
c:\windows\system32\shdocvw.dll

themeui 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 377.50 KB (386,560 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\themeui.dll

msimg32 5.2.3790.0 (srv03\_rtm.030324-2048) 4.50 KB (4,608 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\msimg32.dll

linkinfo 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 19.50 KB (19,968 bytes) 2/17/2007 9:02 AM Microsoft Corporation  
c:\windows\system32\linkinfo.dll

ntshui 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 139.50 KB (142,848 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\ntshui.dll

jrmac 1.0.0.125 104.00 KB (106,496 bytes) 12/12/2007 2:32 PM McAfee, Inc.  
c:\program files\mcafee\common framework\jrmac.dll

webcheck 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 270.50 KB (276,992 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\webcheck.dll

stobject 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 120.00 KB (122,880 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\stobject.dll

batmeter 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 31.50 KB (32,256 bytes) 2/17/2007 9:02 AM Microsoft Corporation  
c:\windows\system32\batmeter.dll

powrprof 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 16.50 KB (16,896 bytes) 2/17/2007 9:03 AM Microsoft Corporation  
c:\windows\system32\powrprof.dll

browseui 6.00.3790.0 (srv03\_rtm.030324-2048) 62.00 KB (63,488 bytes) 11/30/2005 7:00 AM Microsoft Corporation  
c:\windows\system32\browseui.dll

mlang 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 576.00 KB (589,824 bytes) 2/17/2007 9:02 AM Microsoft Corporation  
c:\windows\system32\mlang.dll

pdfshell 8.1.0.0 364.00 KB (372,736 bytes) 5/10/2007 11:54 PM Adobe Systems, Inc.  
c:\program files\common files\adobe\acrobat\activex\pdfshell.dll

msvcr80 8.00.50727.163 612.00 KB (626,688 bytes) 6/5/2006 3:14 PM Microsoft  
Corporation c:\windows\winsxs\x86\_microsoft.vc80.crt\_1fc8b3b9a1e18e3b\_8.0.50727.163\_x-  
ww\_681e29fb\msvcr80.dll

shdoclc 6.00.3790.0 (srv03\_rtm.030324-2048) 588.50 KB (602,624 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\shdoclc.dll

cpqteam 8.70.0.15 68.00 KB (69,632 bytes) 6/28/2007 1:36 PM Hewlett-Packard  
Company c:\program files\hp\ncu\cpqteam.exe

udaterui 3.6.0.569 133.31 KB (136,512 bytes) 12/12/2007 2:32 PM McAfee, Inc.  
c:\program files\mcafee\common framework\udaterui.exe

updres 3.6.0.569 68.81 KB (70,464 bytes) 12/12/2007 2:32 PM McAfee, Inc.  
c:\program files\mcafee\common framework\0409\updres.dll

shstat 8.0.0.1040 96.00 KB (98,304 bytes) 9/22/2004 8:00 AM McAfee, Inc.  
c:\program files\network associates\virusscan\shstat.exe

shstat 8.0.0.912 11.00 KB (11,264 bytes) 9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\shstat.dll

shutilrc 8.0.0.912 17.50 KB (17,920 bytes) 9/22/2004 9:00 AM Network Associates,  
Inc. c:\program files\network associates\virusscan\res09\shutilrc.dll

graphics 8.0.0.912 880.00 KB (901,120 bytes) 9/22/2004 9:00 AM Network  
Associates, Inc. c:\program files\network associates\virusscan\graphics.dll

mctray 1.0.0.125 84.00 KB (86,016 bytes) 12/12/2007 2:32 PM McAfee, Inc.  
c:\program files\mcafee\common framework\mctray.exe

tbmon 2.0.275.0 144.06 KB (147,514 bytes) 10/7/2003 10:48 AM Network  
Associates, Inc. c:\program files\common files\network associates\talkback\tbmon.exe

EmcPowMon 4.5.1.0002 244.00 KB (249,856 bytes) 7/7/2006 7:02 AM EMC  
Corporation c:\program files\emc\powercommon\emcpowmon.exe

EmcPowRes 4.5.1.0002 72.00 KB (73,728 bytes) 7/7/2006 7:02 AM EMC  
Corporation c:\program files\emc\powercommon\emcpowres.dll

helpctr 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 778.00 KB (796,672 bytes)  
12/11/2007 5:15 PM Microsoft Corporation c:\windows\pchealth\helpctr\binaries\helpctr.exe

hcappres 5.2.3790.0 (srv03\_rtm.030324-2048) 6.50 KB (6,656 bytes) 12/11/2007 5:15 PM  
Microsoft Corporation c:\windows\pchealth\helpctr\binaries\hcappres.dll

itss 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 134.00 KB (137,216 bytes) 11/30/2005  
7:00 AM Microsoft Corporation c:\windows\system32\itss.dll

pchshell 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 104.50 KB (107,008 bytes)  
12/11/2007 5:15 PM Microsoft Corporation c:\windows\pchealth\helpctr\binaries\pchshell.dll

mshtml 6.00.3790.4275 (srv03\_sp2\_gdr.080417-1307) 2.99 MB (3,133,952 bytes)  
4/21/2008 4:47 AM Microsoft Corporation c:\windows\system32\mshtml.dll

msls31 3.10.349.0 142.00 KB (145,408 bytes) 2/17/2007 9:03 AM Microsoft  
Corporation c:\windows\system32\msls31.dll

msimtf 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 159.00 KB (162,816 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\msimtf.dll

msctf 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 309.00 KB (316,416 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\msctf.dll

jscrip 5.6.0.8835 448.00 KB (458,752 bytes) 12/14/2007 3:34 AM Microsoft  
Corporation c:\windows\system32\jscrip.dll

imm32 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 108.00 KB (110,592 bytes)  
2/17/2007 9:02 AM Microsoft Corporation c:\windows\system32\imm32.dll

mshtml 6.00.3790.3959 (srv03\_sp2\_rtm.070216-1710) 447.00 KB (457,728 bytes)  
2/17/2007 9:03 AM Microsoft Corporation c:\windows\system32\mshtml.dll

vbscript 5.6.0.8835 392.00 KB (401,408 bytes) 11/30/2005 7:00 AM Microsoft  
Corporation c:\windows\system32\vbscript.dll

msinfo 5.2.3790.3959 (srv03\_sp2\_rtm.070216-1710) 376.00 KB (385,024 bytes)  
12/11/2007 5:15 PM Microsoft Corporation c:\windows\pchealth\helpctr\binaries\msinfo.dll

```

riched32  5.2.3790.0 (srv03_rtm.030324-2048)  3.50 KB (3,584 bytes)  11/30/2005 7:00 AM
Microsoft Corporation  c:\windows\system32\riched32.dll
riched20  5.31.23.1225  433.00 KB (443,392 bytes)  11/30/2005 7:00 AM  Microsoft
Corporation c:\windows\system32\riched20.dll
audiodev  5.2.3810.3997 (srv03_sp2_rtm.070216-1710)  468.00 KB (479,232 bytes)
11/30/2005 7:00 AM  Microsoft Corporation  c:\windows\system32\audiodev.dll
wmvcore  10.00.00.3997 (srv03_sp2_rtm.070216-1710)  2.22 MB (2,330,624 bytes)
11/30/2005 7:00 AM  Microsoft Corporation  c:\windows\system32\wmvcore.dll
wmasf  10.00.00.4000 (srv03_sp2_gdr.071023-1403)  223.50 KB (228,864 bytes)
11/30/2005 7:00 AM  Microsoft Corporation  c:\windows\system32\wmasf.dll
helpsvc  5.2.3790.3959 (srv03_sp2_rtm.070216-1710)  745.00 KB (762,880 bytes)
12/11/2007 5:15 PM  Microsoft Corporation  c:\windows\pchealth\helpctr\binaries\helpsvc.exe

```

[Services]

Display_Name	Name	State	Start_Mode	Service_Type	Path	Error_Control
Start_Name	Tag_ID					
Application Experience Lookup Service	AeLookupSvc	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
Alerter	Alerter	Stopped	Disabled	Share Process	c:\windows\system32\svchost.exe -k localservice	Normal NT AUTHORITY\LocalService 0
Application Layer Gateway Service	ALG	Running	Manual	Own Process	c:\windows\system32\alg.exe	Normal NT AUTHORITY\LocalService 0
Application Management	AppMgmt	Stopped	Manual	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
Windows Audio	AudioSrv	Stopped	Disabled	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
Background Intelligent Transfer Service	BITS	Stopped	Manual	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
Computer Browser	Browser	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
HP Smart Array SAS/SATA Event Notification Service	Cissesrv	Running	Auto	Own Process	c:\program files\hp\cissesrv\cissesrv.exe	Normal LocalSystem 0
Indexing Service	CiSvc	Stopped	Disabled	Share Process	c:\windows\system32\cisvc.exe	Normal LocalSystem 0
ClipBook	ClipSrv	Stopped	Disabled	Own Process	c:\windows\system32\clipsrv.exe	Normal LocalSystem 0
Cluster Service	ClusSvc	Running	Auto	Own Process	c:\windows\cluster\clusvc.exe	Normal vha.med.va.gov\vancrvwcluster 0
COM+ System Application	COMSysApp	Stopped	Manual	Own Process	c:\windows\system32\dlhhost.exe /processid:{02d4b3f1-fd88-11d1-960d-00805fc79235}	Normal LocalSystem 0
HP Version Control Agent	cpqvcagent	Running	Auto	Own Process	c:\hp\hpsmh\data\cgi-bin\vcagent\vcagent.exe	Normal LocalSystem 0
Cryptographic Services	CryptSvc	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs	Normal LocalSystem 0
DCOM Server Process Launcher	DcomLaunch	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k dcomlaunch	Normal LocalSystem 0
Distributed File System	Dfs	Stopped	Manual	Own Process	c:\windows\system32\dfssvc.exe	Normal LocalSystem 0
DHCP Client	Dhcp	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k networkservice	Normal NT AUTHORITY\NetworkService 0
Logical Disk Manager Administrative Service	dmadmin	Stopped	Manual	Share Process	c:\windows\system32\dmadmin.exe /com	Normal LocalSystem 0



Logical Disk Manager	dmserver	Running	Auto	Share Process	
c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0					
DNS Client	Dnscache	Running	Auto	Share Process	
c:\windows\system32\svchost.exe -k networkservice Normal NT AUTHORITY\NetworkService 0					
EMC ControlCenter Master Agent	EMC ControlCenter Master Agent	Running	Auto	Own Process	"c:\ecc\exec\eccservice_masteragent.exe" Normal LocalSystem 0
EMC PowerPath Service 4.5.1	EmcPowSrv	Running	Auto	Own Process	c:\program files\emc\powercommon\emcpowsrv.exe Normal LocalSystem 0
Emulex HBA Discovery	Emulex HBA Discovery	Stopped	Manual	Own Process	c:\program files\emulex\util\common\hbadiscsrvr.exe Normal LocalSystem 0
Emulex HBA Management	Emulex HBA Management	Running	Auto	Own Process	c:\program files\emulex\util\common\rmserver.exe Normal LocalSystem 0
Emulex SvcMgr	Emulex SvcMgr	Running	Auto	Own Process	c:\program files\emulex\util\common\hbahsmgr.exe Normal LocalSystem 0
Error Reporting Service	ERSvc	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k winerr Ignore LocalSystem 0
Event Log	Eventlog	Running	Auto	Share Process	c:\windows\system32\services.exe Normal LocalSystem 0
COM+ Event System	EventSystem	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0
Help and Support	helpsvc	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0
Human Interface Device Access	HidServ	Stopped	Disabled	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0
HTTP SSL	HTTPFilter	Running	Manual	Share Process	c:\windows\system32\lsass.exe Normal LocalSystem 0
InstallDriver Table Manager	IDriverT	Stopped	Manual	Own Process	"c:\program files\common files\installshield\driver\11\intel 32\idrivert.exe" Ignore LocalSystem 0
IIS Admin Service	IISADMIN	Running	Auto	Share Process	c:\windows\system32\inetrv\inetinfo.exe Normal LocalSystem 0
IMAPI CD-Burning COM Service	ImapiService	Stopped	Disabled	Own Process	c:\windows\system32\imapi.exe Normal LocalSystem 0
Intersite Messaging	IsmServ	Stopped	Disabled	Own Process	c:\windows\system32\ismserv.exe Normal LocalSystem 0
Kerberos Key Distribution Center	kdc	Stopped	Disabled	Share Process	c:\windows\system32\lsass.exe Normal LocalSystem 0
Server	lanmanserver	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0
Workstation	lanmanworkstation	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0
License Logging	LicenseService	Stopped	Disabled	Own Process	c:\windows\system32\llsrv.exe Normal NT AUTHORITY\NetworkService 0
TCP/IP NetBIOS Helper	LmHosts	Running	Auto	Share Process	c:\windows\system32\svchost.exe -k localservice Normal NT AUTHORITY\LocalService 0
McAfee Framework Service	McAfeeFramework	Running	Auto	Own Process	"c:\program files\mcafee\common framework\frameworkservice.exe" /servicestart Normal LocalSystem 0
Network Associates McShield	McShield	Running	Auto	Own Process	"c:\program files\network associates\virusscan\mcshield.exe" Normal LocalSystem 0
Network Associates Task Manager	McTaskManager	Running	Auto	Own Process	"c:\program files\network associates\virusscan\vstskmgr.exe" Normal LocalSystem 0
Messenger	Messenger	Stopped	Disabled	Share Process	c:\windows\system32\svchost.exe -k netsvcs Normal LocalSystem 0

NetMeeting Remote Desktop Sharing	mnmsrvc	Stopped	Disabled	Own
Process	c:\windows\system32\mnmsrvc.exe	Normal	LocalSystem	0
Distributed Transaction Coordinator	MSDTC	Running	Manual	Own Process
	c:\windows\system32\msdtc.exe	Normal	NT AUTHORITY\NetworkService	1
Windows Installer	MSIServer	Stopped	Manual	Share Process
	c:\windows\system32\msiexec.exe /v	Normal	LocalSystem	0
Network DDE	NetDDE	Stopped	Disabled	Share Process
	c:\windows\system32\netdde.exe	Normal	LocalSystem	0
Network DDE DSDM	NetDDEdsdm	Stopped	Disabled	Share Process
	c:\windows\system32\netdde.exe	Normal	LocalSystem	0
Net Logon	Netlogon	Running	Auto	Share Process
	c:\windows\system32\lsass.exe	Normal	LocalSystem	0
Network Connections	Netman	Running	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Network Location Awareness (NLA)	Nla	Running	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
File Replication	NtFrs	Stopped	Manual	Own Process
	c:\windows\system32\ntfrs.exe	Ignore	LocalSystem	0
NT LM Security Support Provider	NtLmSsp	Stopped	Manual	Share Process
	c:\windows\system32\lsass.exe	Normal	LocalSystem	0
Removable Storage NtmsSvc		Stopped	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Plug and Play	PlugPlay	Running	Auto	Share Process
	c:\windows\system32\services.exe	Normal	LocalSystem	0
IPSEC Services	PolicyAgent	Running	Auto	Share Process
	c:\windows\system32\lsass.exe	Normal	LocalSystem	0
Protected Storage	ProtectedStorage	Running	Auto	Share Process
	c:\windows\system32\lsass.exe	Normal	LocalSystem	0
Remote Access Auto Connection Manager	RasAuto	Stopped	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Remote Access Connection Manager	RasMan	Running	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Remote Desktop Help Session Manager	RDSessMgr	Stopped	Manual	Own Process
	c:\windows\system32\sessmgr.exe	Normal	LocalSystem	0
Routing and Remote Access	RemoteAccess	Stopped	Disabled	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Remote Registry	RemoteRegistry	Running	Auto	Share Process
	c:\windows\system32\svchost.exe -k regsvc	Normal	NT AUTHORITY\LocalService	0
Remote Procedure Call (RPC) Locator	RpcLocator	Stopped	Manual	Own Process
	c:\windows\system32\locator.exe	Normal	NT AUTHORITY\NetworkService	0
Remote Procedure Call (RPC)	RpcSs	Running	Auto	Share Process
	c:\windows\system32\svchost.exe -k rpcss	Normal	NT Authority\NetworkService	0
Resultant Set of Policy Provider	RSOPProv	Stopped	Manual	Share Process
	c:\windows\system32\rsopprov.exe	Normal	LocalSystem	0
Special Administration Console Helper	sacsvr	Stopped	Manual	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Security Accounts Manager	SamSs	Running	Auto	Share Process
	c:\windows\system32\lsass.exe	Normal	LocalSystem	0
Smart Card SCardSvr		Stopped	Manual	Share Process
	c:\windows\system32\scardsvr.exe	Ignore	NT AUTHORITY\LocalService	0
Task Scheduler	Schedule	Running	Auto	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Secondary Logon	seclogon	Running	Auto	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Ignore	LocalSystem	0
System Event Notification	SENS	Running	Auto	Share Process
	c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0

Windows Firewall/Internet Connection Sharing (ICS) SharedAccess	Running	Auto	Share
Process c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Shell Hardware Detection ShellHWDetection	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Ignore	LocalSystem	0
Print Spooler Spooler	Running	Auto	Own Process
c:\windows\system32\spoolsv.exe	Normal	LocalSystem	0
Windows Image Acquisition (WIA) stisvc	Stopped	Disabled	Share Process
c:\windows\system32\svchost.exe -k imgsvc	Normal	NT AUTHORITY\LocalService	0
EMC storapid storapid	Stopped	Manual	Own Process "c:\program
files\emc\symcli\daemons\storapid.exe"	Normal	LocalSystem	0
Microsoft Software Shadow Copy Provider swprv	Stopped	Manual	Own Process
c:\windows\system32\svchost.exe -k swprv	Normal	LocalSystem	0
EMC symapisrv symapisrv	Running	Auto	Share Process "c:\program
files\emc\symcli\bin\symapisrv.exe"	Normal	LocalSystem	0
Symmetrix Integration Utilities Symmetrix Integration Utilities	Running	Auto	Own
Process c:\windows\system32\siuservice.exe	Normal	LocalSystem	0
HP ProLiant System Shutdown Service sysdown	Running	Auto	Own Process
c:\windows\system32\sysdown.exe	Normal	LocalSystem	0
HP System Management Homepage SysMgmtHp	Running	Auto	Own Process
c:\hp\hpsmh\bin\smhstart.exe	Normal	LocalSystem	0
Performance Logs and Alerts SysmonLog	Stopped	Auto	Own Process
c:\windows\system32\smlogsvc.exe	Normal	NT Authority\NetworkService	0
Telephony Tapisrv	Running	Manual	Share Process c:\windows\system32\svchost.exe -k
tapisrv	Normal	LocalSystem	0
Terminal Services TermService	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k termsvcs	Normal	LocalSystem	0
Themes Themes	Stopped	Disabled	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Telnet TlntSvr	Stopped	Disabled	Own Process c:\windows\system32\tlntsvr.exe
Normal NT AUTHORITY\LocalService	0		
Distributed Link Tracking Server TrkSvr	Stopped	Disabled	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Distributed Link Tracking Client TrkWks	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0
Terminal Services Session Directory Tssdis	Stopped	Manual	Own Process
c:\windows\system32\tssdis.exe	Normal	LocalSystem	0
Windows User Mode Driver Framework UMWdf	Stopped	Manual	Own Process
c:\windows\system32\wdmfmgr.exe	Normal	NT AUTHORITY\LocalService	0
Uninterruptible Power Supply UPS	Stopped	Manual	Own Process
c:\windows\system32\ups.exe	Normal	NT AUTHORITY\LocalService	0
Virtual Disk Service vds	Stopped	Manual	Own Process c:\windows\system32\vds.exe
Normal LocalSystem	0		
Volume Shadow Copy VSS	Stopped	Manual	Own Process
c:\windows\system32\vssvc.exe	Normal	LocalSystem	0
Windows Time W32Time	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k localservice	Normal	NT AUTHORITY\LocalService	0
World Wide Web Publishing Service W3SVC	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k iissvcs	Normal	LocalSystem	0
WebClient WebClient	Stopped	Disabled	Share Process
c:\windows\system32\svchost.exe -k localservice	Normal	NT AUTHORITY\LocalService	0
WinHTTP Web Proxy Auto-Discovery Service WinHttpAutoProxySvc	Stopped	Manual	
Share Process c:\windows\system32\svchost.exe -k localservice	Normal	NT	
AUTHORITY\LocalService	0		

Windows Management Instrumentation	winmgmt	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Ignore	LocalSystem	0	
Portable Media Serial Number Service	WmdmPmSN	Stopped	Manual	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0	
Windows Management Instrumentation Driver Extensions	Wmi	Stopped		Manual Share
Process c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0	
WMI Performance Adapter	WmiApSrv	Stopped		Manual Own Process
c:\windows\system32\wbem\wmiapsrv.exe	Normal	LocalSystem	0	
Automatic Updates	wuauerv	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0	
Wireless Configuration	WZCSVC	Running	Auto	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0	
Network Provisioning Service	xmlprov	Stopped	Manual	Share Process
c:\windows\system32\svchost.exe -k netsvcs	Normal	LocalSystem	0	

[Program Groups]

Group_Name	Name	User_Name
AccessoriesDefault	User:Accessories	Default User
Accessories\Accessibility	Default User:Accessories\Accessibility	Default User
Accessories\Entertainment	Default User:Accessories\Entertainment	Default User
Startup	Default User:Startup	Default User
AccessoriesAll	Users:Accessories	All Users
Accessories\Accessibility	All Users:Accessories\Accessibility	All Users
Accessories\Communications	All Users:Accessories\Communications	All Users
Accessories\Entertainment	All Users:Accessories\Entertainment	All Users
Accessories\System Tools	All Users:Accessories\System Tools	All Users
Administrative Tools	All Users:Administrative Tools	All Users
EMC	All Users:EMC	All Users
EMC\PowerPath	All Users:EMC\PowerPath	All Users
Emulex	All Users:Emulex	All Users
HP Management Agents	All Users:HP Management Agents	All Users
HP System Tools	All Users:HP System Tools	All Users
HP System Tools\HP Array Configuration Utility	All Users:HP System Tools\HP Array Configuration Utility	All Users
HP System Tools\HP Array Configuration Utility CLI	All Users:HP System Tools\HP Array Configuration Utility CLI	All Users
HP System Tools\HP Array Diagnostic Utility	All Users:HP System Tools\HP Array Diagnostic Utility	All Users
Network Associates	All Users:Network Associates	All Users
Startup	All Users:Startup	All Users
AccessoriesNT AUTHORITY\SYSTEM	:Accessories	NT AUTHORITY\SYSTEM
Accessories\Accessibility	NT AUTHORITY\SYSTEM:Accessories\Accessibility	NT AUTHORITY\SYSTEM
Accessories\Entertainment	NT AUTHORITY\SYSTEM:Accessories\Entertainment	NT AUTHORITY\SYSTEM
Startup	NT AUTHORITY\SYSTEM:Startup	NT AUTHORITY\SYSTEM
AccessoriesVHAMASTER\vhacomparsov	:Accessories	VHAMASTER\vhacomparsov
Accessories\Accessibility	VHAMASTER\vhacomparsov:Accessories\Accessibility	VHAMASTER\vhacomparsov
Accessories\Entertainment	VHAMASTER\vhacomparsov:Accessories\Entertainment	VHAMASTER\vhacomparsov
Administrative Tools	VHAMASTER\vhacomparsov:Administrative Tools	VHAMASTER\vhacomparsov
Startup	VHAMASTER\vhacomparsov:Startup	VHAMASTER\vhacomparsov
AccessoriesVHAMASTER\vancrvwcluster	:Accessories	VHAMASTER\vancrvwcluster

Accessories\Accessibility VHAMASTER\vancrvwcluster:Accessories\Accessibility  
 VHAMASTER\vancrvwcluster  
 Accessories\Entertainment VHAMASTER\vancrvwcluster:Accessories\Entertainment  
 VHAMASTER\vancrvwcluster  
 Startup VHAMASTER\vancrvwcluster:Startup VHAMASTER\vancrvwcluster

[Startup Programs]

Program	Command	User_Name	Location
desktop	desktop.ini	NT AUTHORITY\SYSTEM	Startup
desktop	desktop.ini	VHAMASTER\vhamocparsov	Startup
desktop	desktop.ini	VHAMASTER\vancrvwcluster	Startup
desktop	desktop.ini	.DEFAULT	Startup
desktop	desktop.ini	All Users	Common Startup
PowerPath Monitor	powerpath monitor.lnk	All Users	Common Startup
CPQTEAM	c:\program files\hp\ncu\cpqteam.exe	All Users	
		HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run	
McAfeeUpdaterUI	"c:\program files\mcafee\common framework\udaterui.exe" /startedfromrunkey	All Users	
		HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run	
ShStatEXE	"c:\program files\network associates\virusscan\shstat.exe" /standalone	All Users	
		HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run	
Network Associates Error Reporting Service	"c:\program files\common files\network associates\talkback\tbmon.exe"	All Users	
		HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run	
Adobe Reader Speed Launcher	"c:\program files\adobe\reader 8.0\reader\reader_sl.exe"	All Users	
		HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run	

[OLE Registration]

Object	Local_Server
Sound (OLE2)	sndrec32.exe
Media Clip	mplay32.exe
Video Clip	mplay32.exe /avi
MIDI Sequence	mplay32.exe /mid
Sound	Not Available
Media Clip	Not Available
WordPad Document	"%programfiles%\windows nt\accessories\wordpad.exe"
Windows Media Services DRM Storage object	Not Available
Adobe Acrobat Document	"c:\program files\adobe\reader 8.0\reader\acord32.exe"
Bitmap Image	mspaint.exe

[Windows Error Reporting]

Time	Type	Details
5/29/2008 2:51 PM	Application Error	Faulting application FrameworkService.exe, version 3.6.0.569, faulting module ntdll.dll, version 5.2.3790.3959, fault address 0x0004afb2.&#x000d;&#x000a;
5/29/2008 2:43 PM	Application Error	Faulting application FrameworkService.exe, version 3.6.0.569, faulting module ntdll.dll, version 5.2.3790.3959, fault address 0x0004afb2.&#x000d;&#x000a;
2/20/2008 10:38 AM	Application Error	Faulting application FrameworkService.exe, version 3.6.0.569, faulting module ntdll.dll, version 5.2.3790.3959, fault address 0x0004afb2.&#x000d;&#x000a;
2/20/2008 10:35 AM	Application Error	Faulting application FrameworkService.exe, version 3.6.0.569, faulting module ntdll.dll, version 5.2.3790.3959, fault address 0x0004afb2.&#x000d;&#x000a;

1/10/2008 1:30 PM Microsoft Management Console Not Available

[Internet Settings]

[Internet Explorer]

[Summary]

Item Value  
Version 6.0.3790.3959  
Build 63790.3959  
Application Path C:\Program Files\Internet Explorer  
Language English (United States)  
Active Printer Not Available

Cipher Strength 128-bit  
Content Advisor Disabled  
IEAK Install No

[File Versions]

File	Version	Size	Date	Path	Company
actxprxy.dll	6.0.3790.3959	97 KB	2/17/2007 10:02:40 AM	C:\WINDOWS\system32	Microsoft Corporation
advpack.dll	6.0.3790.3959	98 KB	2/17/2007 10:02:41 AM	C:\WINDOWS\system32	Microsoft Corporation
asctrls.ocx	6.0.3790.0	90 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32	Microsoft Corporation
browseui.dll	6.0.3790.0	62 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32	Microsoft Corporation
browseui.dll	6.0.3790.4275	1,009 KB	4/21/2008 4:47:42 AM	C:\WINDOWS\system32	Microsoft Corporation
cdfview.dll	6.0.3790.3959	148 KB	2/17/2007 10:02:43 AM	C:\WINDOWS\system32	Microsoft Corporation
comctl32.dll	5.82.3790.3959	585 KB	2/17/2007 10:02:46 AM	C:\WINDOWS\system32	Microsoft Corporation
dxttrans.dll	6.3.3790.4275	205 KB	4/21/2008 4:47:42 AM	C:\WINDOWS\system32	Microsoft Corporation
dxtmsft.dll	6.3.3790.4275	353 KB	4/21/2008 4:47:42 AM	C:\WINDOWS\system32	Microsoft Corporation
iecont.dll	<File Missing>	Not Available	Not Available	Not Available	Not Available
iecontlc.dll	<File Missing>	Not Available	Not Available	Not Available	Not Available
iedkcs32.dll	16.0.3790.3959	324 KB	2/17/2007 10:02:52 AM	C:\WINDOWS\system32	Microsoft Corporation
iepeers.dll	6.0.3790.3959	248 KB	2/17/2007 10:02:52 AM	C:\WINDOWS\system32	Microsoft Corporation
iesetup.dll	6.0.3790.3959	61 KB	2/17/2007 10:02:52 AM	C:\WINDOWS\system32	Microsoft Corporation
ieuinit.inf	Not Available	24 KB	2/17/2007 12:51:36 AM	C:\WINDOWS\system32	Not Available
ieexplore.exe	6.0.3790.3959	92 KB	2/17/2007 10:03:42 AM	C:\Program Files\Internet Explorer	Microsoft Corporation

imgutil.dll	6.0.3790.3959	38 KB	2/17/2007 10:02:54 AM	C:\WINDOWS\system32
	Microsoft Corporation			
inetcppl.cpl	6.0.3790.3959	361 KB	2/17/2007 10:04:07 AM	C:\WINDOWS\system32
	Microsoft Corporation			
inetcppl.dll	6.0.3790.0	109 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
inseng.dll	6.0.3790.3959	94 KB	2/17/2007 10:02:54 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mlang.dll	6.0.3790.3959	576 KB	2/17/2007 10:02:56 AM	C:\WINDOWS\system32
	Microsoft Corporation			
msencode.dll	2002.10.4.0	112 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32
	캐본<sup>^</sup>مم&A<sup>^</sup>물			
mshta.exe	6.0.3790.3959	30 KB	2/17/2007 10:03:48 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mshtml.dll	6.0.3790.4275	3,061 KB	4/21/2008 4:47:43 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mshtml.tlb	6.0.3790.3959	1,320 KB	2/17/2007 12:47:12 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mshtmlled.dll	6.0.3790.3959	447 KB	2/17/2007 10:03:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mshtmlr.dll	6.0.3790.3959	56 KB	2/17/2007 12:47:14 AM	C:\WINDOWS\system32
	Microsoft Corporation			
msident.dll	6.0.3790.3959	48 KB	2/17/2007 10:03:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
msidntld.dll	6.0.3790.0	15 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
msieftp.dll	6.0.3790.3959	244 KB	2/17/2007 10:03:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
msrating.dll	6.0.3790.3959	144 KB	2/17/2007 10:03:01 AM	C:\WINDOWS\system32
	Microsoft Corporation			
mstime.dll	6.0.3790.4275	525 KB	4/21/2008 4:47:43 AM	C:\WINDOWS\system32
	Microsoft Corporation			
occache.dll	6.0.3790.3959	94 KB	2/17/2007 10:03:05 AM	C:\WINDOWS\system32
	Microsoft Corporation			
proctexe.ocx	6.3.3790.3959	83 KB	2/17/2007 10:00:58 AM	C:\WINDOWS\system32
	Intel Corporation			
sendmail.dll	6.0.3790.3959	56 KB	2/17/2007 10:03:10 AM	C:\WINDOWS\system32
	Microsoft Corporation			
shdoclc.dll	6.0.3790.0	589 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
shdocvw.dll	6.0.3790.4275	1,473 KB	4/21/2008 4:47:44 AM	C:\WINDOWS\system32
	Microsoft Corporation			
shfolder.dll	6.0.3790.3959	25 KB	2/17/2007 10:03:12 AM	C:\WINDOWS\system32
	Microsoft Corporation			
shlwapi.dll	6.0.3790.3959	313 KB	2/17/2007 10:03:12 AM	C:\WINDOWS\system32
	Microsoft Corporation			
tdc.ocx	1.3.0.3130	58 KB	11/30/2005 8:00:00 AM	C:\WINDOWS\system32
	Microsoft Corporation			
url.dll	6.0.3790.3959	37 KB	2/17/2007 10:03:16 AM	C:\WINDOWS\system32
	Microsoft Corporation			
urlmon.dll	6.0.3790.4275	682 KB	4/21/2008 4:47:44 AM	C:\WINDOWS\system32
	Microsoft Corporation			
webcheck.dll	6.0.3790.3959	271 KB	2/17/2007 10:03:19 AM	C:\WINDOWS\system32
	Microsoft Corporation			
wininet.dll	6.0.3790.4275	655 KB	4/21/2008 4:47:44 AM	C:\WINDOWS\system32
	Microsoft Corporation			

[Connectivity]

Item	Value
Connection Preference	Never dial

LAN Settings

AutoConfigProxy	wininet.dll
AutoProxyDetectMode	Disabled
AutoConfigURL	
Proxy	Disabled
ProxyServer	
ProxyOverride	

[Cache]

[Summary]

Item	Value
Page Refresh Type	Automatic
Temporary Internet Files Folder	C:\Documents and Settings\vhamocparsov\Local Settings\Temporary Internet Files
Total Disk Space	Not Available
Available Disk Space	Not Available
Maximum Cache Size	Not Available
Available Cache Size	Not Available

[List of Objects]

Program_File	Status	CodeBase
WUWebControl Class	Installed	http://www.update.microsoft.com/windowsupdate/v6/V5Controls/en/x86/client/wuweb_site.cab?1197470180531

[Content]

[Summary]

Item	Value
Content Advisor	Disabled

[Personal Certificates]

Issued_To	Issued_By	Validity	Signature_Algorithm
No personal certificate information available			

[Other People Certificates]

Issued_To	Issued_By	Validity	Signature_Algorithm
No other people certificate information available			



[Publishers]

Name

No publisher information available

[Security]

Zone	Security_Level
My Computer	Custom
Local intranet	Custom
Trusted sites	Custom
Internet	Custom
Restricted sites	Custom

Host Name: VANCRNODV4  
 OS Name: Microsoft(R) Windows(R) Server 2003, Enterprise Edition  
 OS Version: 5.2.3790 Service Pack 2 Build 3790  
 OS Manufacturer: Microsoft Corporation  
 OS Configuration: Member Server  
 OS Build Type: Multiprocessor Free  
 Registered Owner: Office of Information and Technology  
 Registered Organization: Department of Veterans Affairs  
 Product ID: 69713-640-4442232-45323  
 Original Install Date: 12/12/2007, 10:52:55 AM  
 System Up Time: 44 Days, 15 Hours, 42 Minutes, 29 Seconds  
 System Manufacturer: HP  
 System Model: ProLiant ML570 G4  
 System Type: X86-based PC  
 Processor(s): 16 Processor(s) Installed.  
     [01]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [02]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [03]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [04]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [05]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [06]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [07]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [08]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [09]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [10]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [11]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [12]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [13]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [14]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [15]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
     [16]: x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz  
 BIOS Version: HP - 2  
 Windows Directory: C:\WINDOWS  
 System Directory: C:\WINDOWS\system32  
 Boot Device: \Device\HarddiskVolume1  
 System Locale: en-us;English (United States)  
 Input Locale: en-us;English (United States)  
 Time Zone: (GMT-05:00) Eastern Time (US & Canada)  
 Total Physical Memory: 32,766 MB  
 Available Physical Memory: 21,215 MB  
 Page File: Max Size: 38,541 MB  
 Page File: Available: 27,466 MB  
 Page File: In Use: 11,075 MB  
 Page File Location(s): c:\pagefile.sys  
                           s:\pagefile.sys  
 Domain: vha.med.va.gov  
 Logon Server: \\VHANCR3DC1  
 Hotfix(s): 127 Hotfix(s) Installed.  
     [01]: File 1  
     [02]: File 1  
     [03]: File 1  
     [04]: File 1  
     [05]: File 1  
     [06]: File 1  
     [07]: File 1  
     [08]: File 1

[09]: File 1  
[10]: File 1  
[11]: File 1  
[12]: File 1  
[13]: File 1  
[14]: File 1  
[15]: File 1  
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[54]: File 1  
[55]: File 1  
[56]: File 1  
[57]: File 1  
[58]: File 1  
[59]: File 1  
[60]: File 1  
[61]: File 1  
[62]: Q147222  
[63]: KB933854 - QFE  
[64]: SP1 - SP

[65]: Q936181  
[66]: KB925398\_WMP64  
[67]: KB914961 - Service Pack  
[68]: KB921503 - Update  
[69]: KB924667-v2 - Update  
[70]: KB925876 - Update  
[71]: KB925902 - Update  
[72]: KB926122 - Update  
[73]: KB927891 - Update  
[74]: KB929123 - Update  
[75]: KB930178 - Update  
[76]: KB931784 - Update  
[77]: KB932168 - Update  
[78]: KB932755 - Update  
[79]: KB933729 - Update  
[80]: KB933854 - Update  
[81]: KB935839 - Update  
[82]: KB935840 - Update  
[83]: KB936021 - Update  
[84]: KB936357 - Update  
[85]: KB936782 - Update  
[86]: KB938127 - Update  
[87]: KB938464 - Update  
[88]: KB941202 - Update  
[89]: KB941568 - Update  
[90]: KB941569 - Update  
[91]: KB941644 - Update  
[92]: KB941693 - Update  
[93]: KB942615 - Update  
[94]: KB942763 - Update  
[95]: KB942830 - Update  
[96]: KB942831 - Update  
[97]: KB942840 - Update  
[98]: KB943055 - Update  
[99]: KB943460 - Update  
[100]: KB943485 - Update  
[101]: KB944338 - Update  
[102]: KB944533 - Update  
[103]: KB944653 - Update  
[104]: KB945553 - Update  
[105]: KB946026 - Update  
[106]: KB947864 - Update  
[107]: KB948496 - Update  
[108]: KB948590 - Update  
[109]: KB948881 - Update  
[110]: KB950759 - Update  
[111]: KB950760 - Update  
[112]: KB950762 - Update  
[113]: KB950974 - Update  
[114]: KB951066 - Update  
[115]: KB951072-v2 - Update  
[116]: KB951698 - Update  
[117]: KB951748 - Update  
[118]: KB952954 - Update  
[119]: KB953838 - Update  
[120]: KB953839 - Update

[121]: KB954211 - Update  
[122]: KB956390 - Update  
[123]: KB956391 - Update  
[124]: KB956803 - Update  
[125]: KB956841 - Update  
[126]: KB957095 - Update  
[127]: KB958644 - Update

Network Card(s): 2 NIC(s) Installed.

[01]: HP NC371i Multifunction Gigabit Server Adapter  
Connection Name: Public

DHCP Enabled: No

IP address(es)

[01]: 10.208.5.34

[02]: 10.208.5.37

[02]: HP NC371i Multifunction Gigabit Server Adapter

Connection Name: Private

DHCP Enabled: No

IP address(es)

[01]: 192.168.10.1



System Information  
report.doc



SYSINFOSQL.doc

## Appendix F: RPC's Used by VistAWeb

DG SENSITIVE RECORD ACCESS

DG SENSITIVE RECORD BULLETIN

ORPRF GETFLG

ORPRF HASFLG

ORQOR DETAIL

ORQQAL DETAIL

ORQQCN DETAIL

ORQQCN LIST

ORQQCN MED RESULTS

ORQQPL PROBLEM LIST

ORQQVII GRID

ORVW FACLIST

ORWCIRN FACLIST

ORWCV DTLVST

ORWCV VST

ORWLR CUMULATIVE REPORT

ORWLRR INTERIM

ORWLRR MICRO

ORWORB FASTUSER

ORWPS COVER

ORWPS DETAIL

ORWPS MEDHIST

ORWPT DIEDON  
ORWPT FULLSSN  
ORWPT ID INFO  
ORWPT PTINQ  
ORWPT SELECT  
ORWPT1 PCDETAIL  
ORWPT1 PRCARE  
ORWRA IMAGING EXAMS1  
ORWRP REPORT LISTS  
ORWRP REPORT TEXT  
ORWRP2 HS COMP FILES  
ORWRP2 HS COMPONENT SUBS  
ORWRP2 HS COMPONENTS  
ORWRP2 HS FILE LOOKUP  
ORWRP2 HS REPORT TEXT  
ORWSR RPTLIST  
ORWU NEWPERS  
ORWU USERINFO  
ORWU VERSRV  
TIU DOCUMENTS BY CONTEXT  
TIU GET LINKED PRF NOTES  
TIU GET PRF TITLE  
TIU GET RECORD TEXT  
XUS AV CODE

XUS CVC

XUS INTRO MSG

XUS SET VISITOR

XUS SIGNON SETUP

XUS SIGNON SETUP

XWB CREATE CONTEXT

XWB GET VARIABLE VALUE