VistAWeb

Version 15.0
(Patch WEBV*1*24)

Technical Manual

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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 Bi-Directional Health Information Exchange (BHIE) system, the Health Data Repository II (HDR II) databases, and the Nationwide Health Information Network (NwHIN, 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.

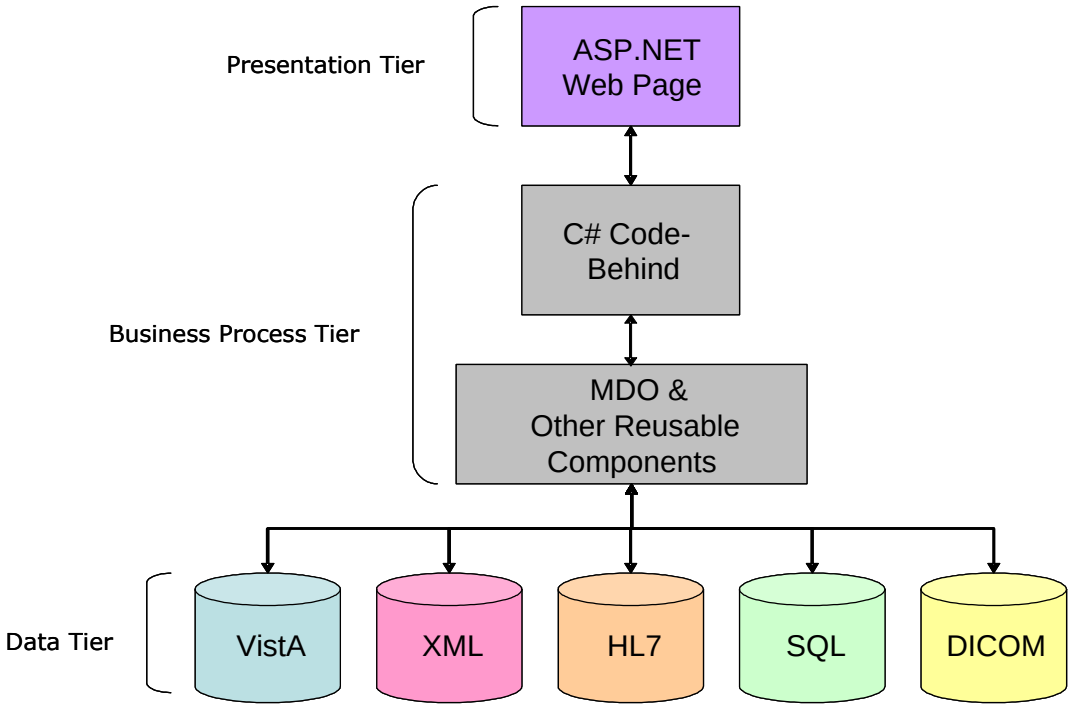
There are three ways to access VistAWeb. VistAWeb can be made available by adding it to the CPRS Tools Menu, and it can be selected as the default method of retrieving data from the VistaWeb button in CPRS. These two methods are referred to as CPRS-spawned versions of VistAWeb. They are compliant with 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/nsoc/default.aspx

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
C#: http://msdn.microsoft.com/en-us/vstudio/hh388566
C# Design Patterns: http://msdn.microsoft.com/en-us/magazine/cc301852.aspx
.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/

Log4net (similar to Log4j): 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

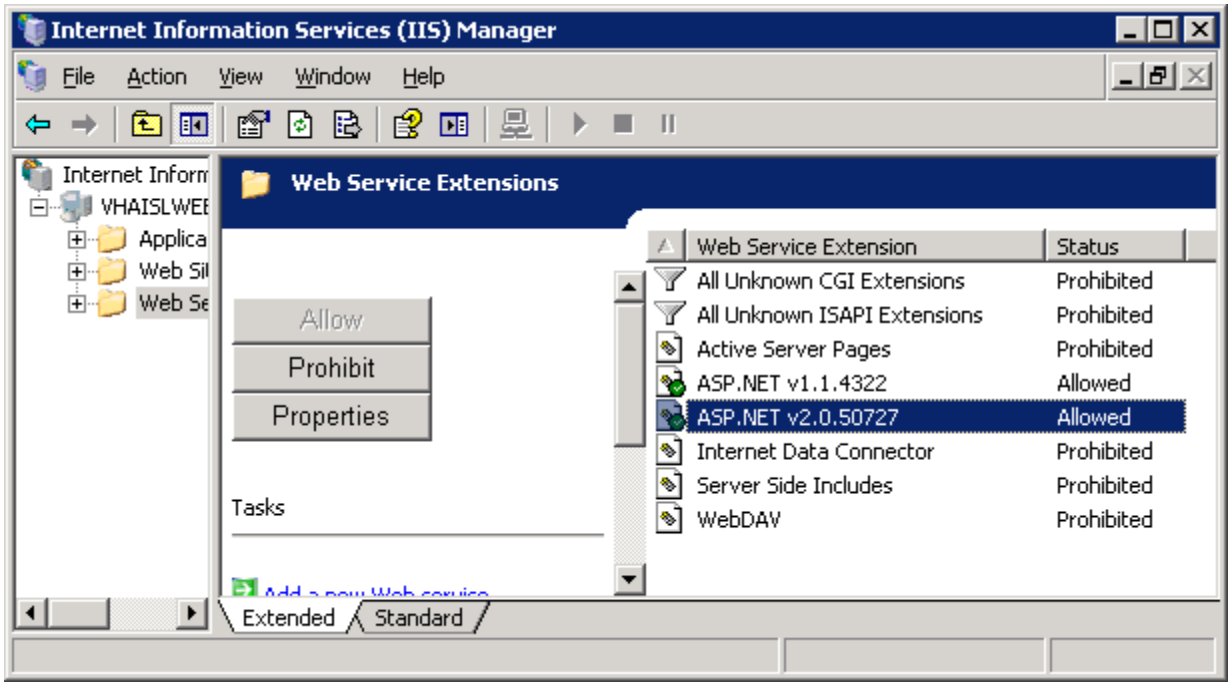
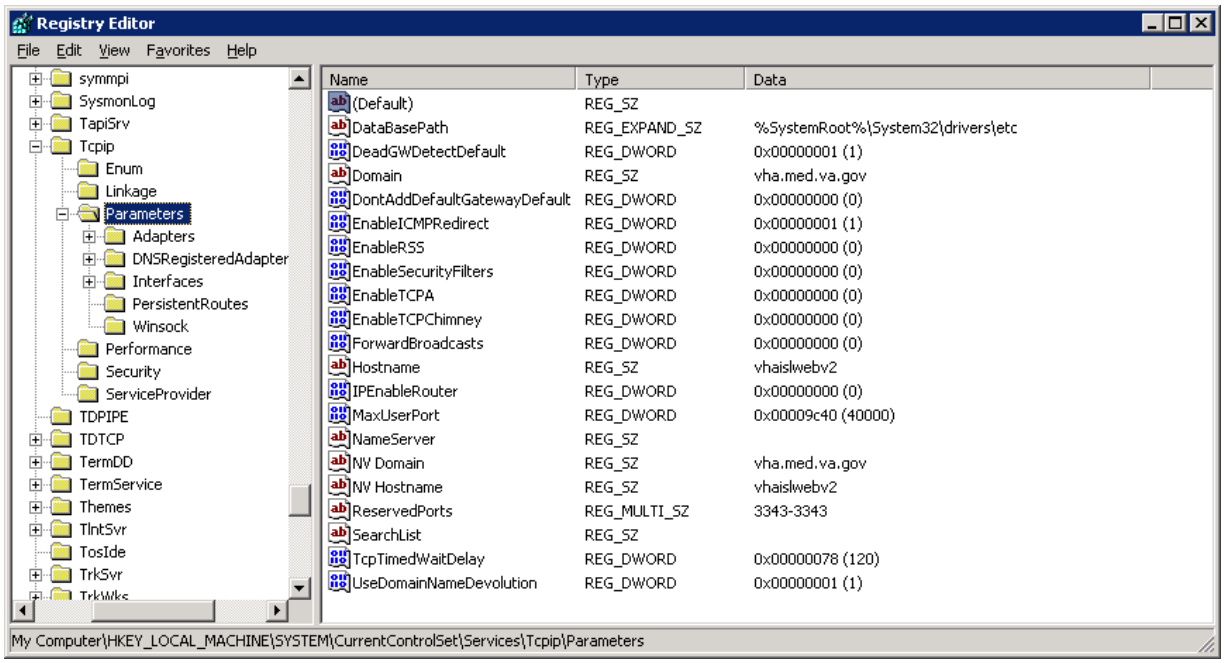


Figure 3: MaxUserPort and TcpTimedWaitDelay Registry Settings in Windows 2003 Server



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. HTM 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-Spawned VistAWeb Process

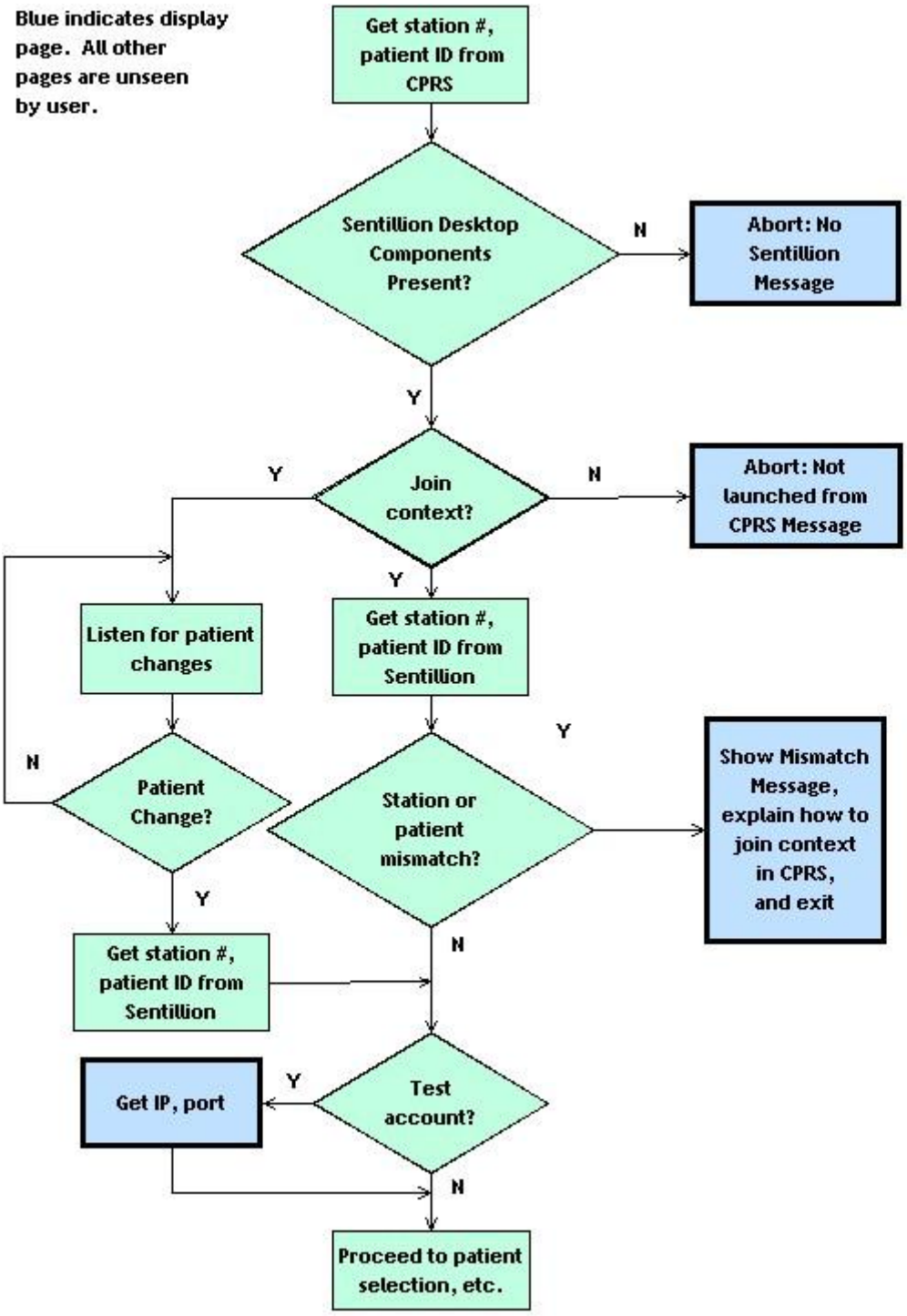
1. User opens CPRS.
2. User enters his or her CPRS access/verify code.
3. User selects a patient.
4. User launches VistAWeb from the Tools menu or the CPRS VistAWeb button
5. VistAWeb opens in a web browser window (e.g., Internet Explorer) and one of two things occurs:
   - If the proper Sentillion Vergence 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 desktp 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



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="secondasppage.asp" 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

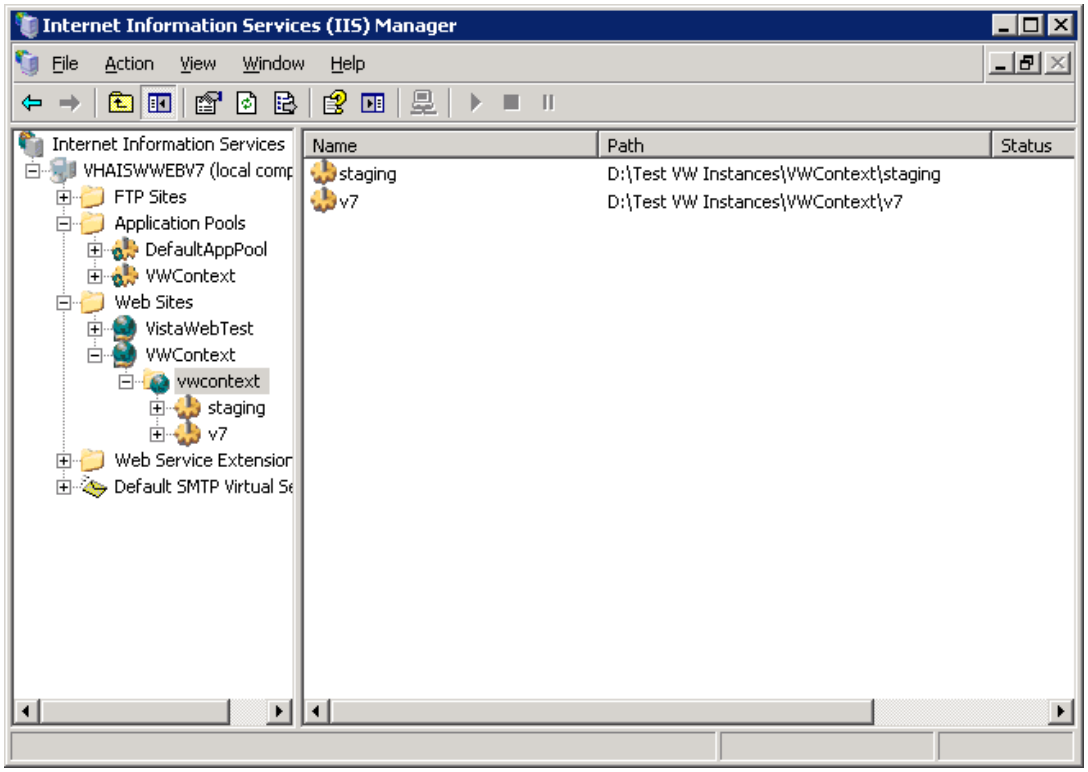
As of version 7, VistAWeb takes advantage of the VistA Broker Security Enhancement (also known as BSE) to set up and authenticate users on "remote" VistA systems. A "remote" VistA system is a VistA account that the user does not have access/verify credentials to access. The Broker Security Enhancement 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 v15 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

BiggerLogger – used by the log4net framework used by VistAWeb to store application messages too big for the *LoggerTable*

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
  - BiggerLogger
  - 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
)
```

BiggerLogger Creation Script

```
CREATE TABLE [dbo].[BiggerLogger](
    [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] [text] NULL,
    [Exception] [varchar](2000) NULL
) ON [DEFAULT] TEXTIMAGE_ON [DEFAULT]
```

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><img src="resources/images/vistaWeb.gif" alt="VistaWeb image"></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
```

```
                    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/JSExtras.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 set up 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 Tollerance – 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.*.

Appendix E: System Information Reports

System Information report written at: 12/11/08 11:21:43
System Name: VANCRWEBV2
[System Summary (C:\DOCUME~1\VHAMOC~1\Desktop\SYSTEM~1.NFO)]

Item Value
OS Name Microsoft(R) Windows(R) Server 2003, Enterprise Edition
Version 5.2.3790 Service Pack 2 Build 3790
Other OS Description Not Available
OS Manufacturer Microsoft Corporation
System Name VANCRWEBV2
System Manufacturer HP
System Model ProLiant ML570 G4
System Type X86-based PC
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
Processor x86 Family 15 Model 6 Stepping 8 GenuineIntel ~3000 Mhz
BIOS Version/Date HP P60, 4/17/2007
SMBIOS Version 2.3
Windows Directory C:\WINDOWS
System Directory C:\WINDOWS\system32
Boot Device\Device\HarddiskVolume1
Locale United States
Hardware Abstraction Layer Version = "5.2.3790.3959 (srv03_sp2_rtm.070216-1710)"
User Name Not Available
Time Zone Eastern Daylight Time
Total Physical Memory 32,766.16 MB
Available Physical Memory 31.02 GB
Total Virtual Memory 33.64 GB
Available Virtual Memory 33.11 GB
Page File Space 2.00 GB
Page File C:\pagefile.sys

[Hardware Resources]

[Conflicts/Sharing]

```
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 0xD0000000-0xFEBFFFFF        PCI bus
Memory Address 0xD0000000-0xFEBFFFFF        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 MouseOK
IRQ 4       Communications Port (COM1)    OK
IRQ 6       Standard floppy disk controller   OK
IRQ 14      Primary IDE Channel     OK
IRQ 15      Secondary IDE ChannelOK
IRQ 3       Communications Port (COM2)    OK

[Memory]

Resource    Device  Status
0xA0000-0xBFFFF  PCI busOK
0xA0000-0xBFFFF  ATI ES1000      OK
0xD0000000-0xFEBFFFFF  PCI busOK
0xD0000000-0xFEBFFFFF  Motherboard resources  OK
0xF6000000-0xFBFFFFFF  PCI standard PCI-to-PCI bridge OK
0xF6000000-0xFBFFFFFF  Intel(R) 6700PXH PCI Express-to-PCI Bridge A - 0329    OK
0xF6000000-0xFBFFFFFF  HP NC371i Virtual Bus Device    OK
0xF9FF0000-0xF9FF0FFF  Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver   OK
0xF9FE0000-0xF9FE00FF  Emulex LightPulse LP9802, PCI Slot 3, Storport Miniport Driver   OK
0xF9FD0000-0xF9FD0FFF  Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver   OK
0xF9FC0000-0xF9FC00FF  Emulex LightPulse LP9802, PCI Slot 4, Storport Miniport Driver   OK
0xFA000000-0xFBFFFFFF  Intel(R) 6700PXH PCI Express-to-PCI Bridge B - 032A    OK
0xFA000000-0xFBFFFFFF  HP NC371i Virtual Bus Device    OK
0xFDE00000-0xFDFFFFFF  PCI standard PCI-to-PCI bridge OK
0xFDF00000-0xFDFFFFFF  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
0xF5FF0000-0xF5FFFFFF  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
0xFEBFFC00-0xFEBFFFFF 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 CodecOK
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 ROOT\MS_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 ROOT\MS_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\raspptp.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_PPPOEMINIPORT\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_PTIMINIPORT\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
B06BDRV\L2ND&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
B06BDRV\L2ND&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 Tcpip [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 Tcpip [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 0xFDF00000-0xFDFFFFFF
I/O Port 0x00005000-0x00005FFF
Memory Address 0xFDEF0000-0xFDEF0FFF
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 PCIIDE\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 PCIIDE\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

[Problem Devices]

Device PNP_Device_ID Error_Code

[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 Boot Running OK Normal No Yes
acpiec ACPIEC c:\windows\system32\drivers\acpiec.sys Kernel Driver No Disabled Stopped OK Normal No No

adpu160m adpu160m Not Available Kernel Driver No Disabled Stopped
OK Normal No No
adpu320 adpu320 Not Available Kernel Driver No Disabled Stopped
OK Normal No No
afcnt afcnt Not Available Kernel Driver No Disabled Stopped OK
Normal No 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 No
aic78xx aic78xx Not Available Kernel Driver No Disabled Stopped OK
Normal No No
aliide AliIde Not Available Kernel Driver No Disabled Stopped OK
Normal No No
amdide AmdIde 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
asyncmac RAS Asynchronous Media Driver c:\windows\system32\drivers\asyncmac.sys
Kernel Driver No Manual Stopped OK Normal No 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 CmdIde Not Available Kernel Driver No Disabled Stopped OK
Normal No No
cpqarray Cpqarray Not Available Kernel Driver No Disabled Stopped
OK Normal No No
cpqarry2 cpqarry2 Not Available Kernel Driver No Disabled Stopped
OK Normal No 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
crcdisk CRC Disk Filter Driver c:\windows\system32\drivers\crcdisk.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
diskDisk 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 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
emcpbase EMC PowerPath Base Driver c:\windows\system32\drivers\emcpbase.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
emcpclass EMC Multi-Path Class Device with Third Party Array Support
c:\windows\system32\drivers\emcpclass.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

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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    No
hpt3xx    hpt3xx    Not Available    Kernel Driver    No    Disabled    Stopped    OK
    Normal    No    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    No
i2omp    i2omp    Not Available    Kernel Driver    No    Disabled    Stopped    OK
    Normal    No    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    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    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
mnmdd mnmdd c:\windows\system32\drivers\mnmdd.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
mrxsmb MRXSMB c:\windows\system32\drivers\mrxsmb.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
naiavfilter1 NaiAvFilter1 c:\windows\system32\drivers\naiavf5x.sys Kernel Driver Yes
Manual Running OK Normal No Yes
naiavtdi1 NaiAvTdi1 c:\windows\system32\drivers\mvstdi5x.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 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 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
pdrframe    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\raspptp.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 RDPCDD 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

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
usbehci Microsoft USB 2.0 Enhanced Host Controller Miniport Driver
c:\windows\system32\drivers\usbehci.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 ViaIde 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

[Signed Drivers]

Device_Name Signed Device_Class Driver_Version Driver_Date Manufacturer
INF_Name Driver_Name Device_ID
Communications Port Yes PORTS 5.2.3790.0 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_EMC&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_EMC&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_EMC&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_EMC&PROD_POWER&\MP&0001&0002&00001878806170A8

Disk drive Yes DISKDRIVE 5.2.3790.0 10/1/2002 (Standard disk drives) disk.inf Not Available SCSI\DISK&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 SCSI\DISK&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 SCSI\DISK&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 SCSI\DISK&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 SCSI\DISK&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_PTIMINIPORT\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 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 Not Available Not Available Not Available Not Available ROOT\LEGACY_STARTDSS\0000
RDPWD Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_RDPWD\0000
RDPCDD Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_RDPCDD\0000
Remote Access Auto Connection Driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_RASACD\0000
PCIIde Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_PCIIDE\0000
Parvdm Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_PARVDM\0000
Partition Manager Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_PARTMGR\0000
NullNot Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NULL\0000
NetBios over Tcpip Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NETBT\0000
NDProxy Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NDPROXY\0000
NDIS Usermode I/O Protocol Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NDISUIO\0000
Remote Access NDIS TAPI Driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NDISTAPI\0000
NDIS System DriverNot Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NDIS\0000
NaiAvTdi1 Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NAIAVTDI1\0000
NaiAvFilter1 Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_NAIAVFILTER1\0000
mountmgr Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_MOUNTMGR\0000
mnmdd Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_MNMDD\0000
lp6nds35 Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_LP6NDS35\0000
ksecdd Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_KSECDD\0000
IPSEC driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_IPSEC\0000
IP Network Address Translator Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_IPNAT\0000
HTTP Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_HTTP\0000
Generic Packet Classifier Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_GPC\0000
Fips Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_FIPS\0000
EntDrv52 Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_ENTDRV52\0000
EMC Symmetrix API Extension for PowerPath Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPSAPI\0000

EMC PowerPath MultiPath Extension for CLARiiON Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPMPC\0000
EMC PowerPath Multipath Extension for Active-Passive arrays Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPMPAP\0000
EMC PowerPath Multipath Extension for Active-Active arrays Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPMPAA\0000
EMC PowerPath MultiPath Extension for Symmetrix Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPMP\0000
EMC Consistency Group Extension for PowerPath Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_EMCPCG\0000
dmload Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_DMLOAD\0000
dmboot Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_DMBOOT\0000
CRC Disk Filter Driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_CRCDISK\0000
Cluster Network Driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_CLUSNET\0000
Cluster Disk Driver Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_CLUSDISK\0000
Beep Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_BEEP\0000
AFD Not Available LEGACYDRIVER Not Available Not Available Not Available Not Available Not Available Not Available ROOT\LEGACY_AFD\0000
Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D8EOFFSET10000LENGTH3317C5EE00
Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D89OFFSET10000LENGTHCC5929A00
Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D9FOFFSET10000LENGTH1107EBFA00
Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE3A1D2D84OFFSET10000LENGTHCC5929A00
Generic volume Yes VOLUME 5.2.3790.3959 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE57DBDF9DOFFSET10000LENGTH1FDD0200
Generic volume Yes VOLUME 5.2.3790.1830 10/1/2002 Microsoft volume.inf Not Available STORAGE\VOLUME\1&30A96598&0&SIGNATURE570A864BOFFSET4000LENGTH9FFF5C000
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 Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard
system devices) machine.inf Not Available ROOT\DMIO\0000
ACPI Fixed Feature Button Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard
system devices) machine.inf Not Available ACPI\FIXEDBUTTON\2&DABA3FF&0
ACPI Thermal Zone Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard system
devices) machine.inf Not Available ACPI\THERMALZONE\THM0
Secondary IDE Channel Yes HDC 5.2.3790.1830 10/1/2002 (Standard IDE
ATA/ATAPI controllers) mshdc.inf Not Available
PCIIDE\IDECHANNEL\4&B60E41D&0&1
CD-ROM Drive 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 Yes HDC 5.2.3790.1830 10/1/2002 (Standard IDE
ATA/ATAPI controllers) mshdc.inf Not Available
PCIIDE\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 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 Yes FDC 5.2.3790.0 10/1/2002 (Standard
floppy disk controllers) fdc.inf Not Available ACPI\PNP0700\5&A5A94E2&0
Communications Port Yes PORTS 5.2.3790.0 10/1/2002 (Standard port types)
msports.inf Not Available ACPI\PNP0501\0
Printer Port Logical Interface Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
LPTENUM\MICROSOFTRAWPORT\6&1863B140&0&LPT1
Printer Port Yes PORTS 5.2.3790.0 10/1/2002 (Standard port types) msports.inf
Not Available ACPI\PNP0400\5&A5A94E2&0
Extended IO Bus 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 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 Yes KEYBOARD 5.2.3790.0
10/1/2002 (Standard keyboards) keyboard.inf Not Available
ACPI\PNP0303\4&369939D9&0
System speaker 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 Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available ACPI\PNP0200\4&369939D9&0
System timer Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard system
devices) machine.inf Not Available ACPI\PNP0100\4&369939D9&0
Motherboard resources Yes SYSTEM 5.2.3790.1830 10/1/2002 (Standard
system devices) machine.inf Not Available ACPI\PNP0C02\0
ISAPNP Read Data Port 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 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 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 ES1000Yes 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 Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2624&SUBSYS_00000000&REV_11\3&61AAA01&0&7C
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&7B
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&7A
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&79
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&78
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_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&70
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&6F
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
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PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
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PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
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PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&6B
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&6A
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&69
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&68
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_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&60
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&5F
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&5E
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&5D

PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
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PCI\VEN_8086&DEV_2624&SUBSYS_00000000&REV_11\3&61AAA01&0&5C
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&5B
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&5A
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&59
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&58
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_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&50
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&4F
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&4E
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&4D
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2624&SUBSYS_00000000&REV_11\3&61AAA01&0&4C
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2623&SUBSYS_00000000&REV_11\3&61AAA01&0&4B
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2622&SUBSYS_00000000&REV_11\3&61AAA01&0&4A
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2621&SUBSYS_00000000&REV_11\3&61AAA01&0&49
PCI standard RAM Controller Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
PCI\VEN_8086&DEV_2620&SUBSYS_00000000&REV_11\3&61AAA01&0&48
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_260C&SUBSYS_00000000&REV_11\3&61AAA01&0&40
PCI standard PCI-to-PCI bridge Yes SYSTEM 5.2.3790.1830 10/1/2002
(Standard system devices) machine.inf Not Available
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
SCSI\DISK&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
SCSI\OTHER&VEN_COMPAQ&PROD_SCSI_COMMUNICATE&REV_CIS2\5&4CE1325&0&000
000

Smart Array P400 Controller Yes SCSIADAPTER 6.8.0.32 6/21/2007 Hewlett-Packard Company oem13.inf Not Available
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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
B06BDRV\L2ND&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
PCI\VEN_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
PCI\VEN_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
B06BDRV\L2ND&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
PCI\VEN_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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
PCI\VEN_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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
SCSI\DISK&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
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Multi-Path class driver for EMC Symmetrix Arrays Yes DISKDRIVE 4.5.1.20
7/7/2006 (Symmetrix system devices) emcpsymmclass.inf Not Available
SCSI\DISK&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
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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
PCI\VEN_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 ACPI\PNP0A03\2&DABA3FF&0
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\15
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\14
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\13
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\12
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\11
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not
Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6\10

Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_9
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_8
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Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_5
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_4
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_3
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_2
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_1
Intel Processor Yes PROCESSOR 5.2.3790.3959 10/1/2002 Intel cpu.inf Not Available ACPI\GENUINEINTEL_-_X86_FAMILY_15_MODEL_6_0
Microsoft ACPI-Compliant System Yes SYSTEM 5.2.3790.0 10/1/2002 Microsoft acpi.inf Not Available ACPI_HAL\PNP0C08\0
ACPI Multiprocessor PC Yes COMPUTER 5.2.3790.1830 10/1/2002 (Standard computers) 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 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 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) 2/17/2007 9:04 AM
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) 11/30/2005 7:00 AM
lsass.exe c:\windows\system32\lsass.exe 596 9 200 1380 7/14/2008 11:04 AM
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 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
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 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
spoolsv.exe c:\windows\system32\spoolsv.exe 1120 8 200 1380 7/14/2008
11:04 AM 5.2.3790.3959 (srv03_sp2_rtm.070216-1710) 56.50 KB (57,856 bytes) 2/17/2007 9:04
AM
cissesrv.exe c:\program files\hp\cissesrv\cissesrv.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

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\inetsrv\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
siuservice.exe c:\windows\system32\siuservice.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
rotatelogs.exe c:\hp\hpsmh\bin\rotatelogs.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
rotatelogs.exe c:\hp\hpsmh\bin\rotatelogs.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

rotatelogs.exe c:\hp\hpsmh\bin\rotatelogs.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
rotatelogs.exe c:\hp\hpsmh\bin\rotatelogs.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
adsldpc 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\adsldpc.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
mswsock 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\mswsock.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
umpnpmgr 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\umpnpmgr.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
winrnr 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\winrnr.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
wmi5.2.3790.0 (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
wuauserv 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\wuauserv.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\mspatcha.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 (dnsrv(skatari).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
libeay32 Not Available 864.00 KB (884,736 bytes) 12/11/2007 5:42 PM Not Available c:\hp\hpsmh\bin\libeay32.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
iisrtl6.0.3790.3959 (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_71Not Available 117.31 KB (120,128 bytes) 12/12/2007 2:32 PM Not Available
c:\program files\mcafee\common framework\naxml2_71.dll
msvcp71 7.10.3077.0 488.00 KB (499,712 bytes) 12/12/2007 2:32 PM Microsoft
Corporation c:\program files\mcafee\common framework\msvcp71.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\nacmnlib2_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
epoPGPsdk 3.5.3 1.43 MB (1,495,552 bytes) 12/12/2007 2:32 PM PGP Corporation
c:\windows\system32\epopgpsdk.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
GenEvtInf 3.6.0.569 93.31 KB (95,552 bytes) 12/12/2007 2:32 PM McAfee, Inc.
c:\program files\mcafee\common framework\genevtinf.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
adsldp 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\adsldp.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\siuservice.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\inetsrv\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\inetsrv\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\inetsrv\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\inetsrv\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
rotatelogs 2.0.49 40.07 KB (41,027 bytes) 12/11/2007 5:42 PM Apache Software Foundation c:\hp\hpsmh\bin\rotatelogs.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
msvcp60 6.00.8168.0 392.05 KB (401,462 bytes) 12/14/2007 1:58 PM Microsoft
Corporation c:\ecc\exec\mnr520\msvcp60.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
ntlanman 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\ntlanman.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
ntshrui 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\ntshrui.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
browselc 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\browselc.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
jscript 5.6.0.8835 448.00 KB (458,752 bytes) 12/14/2007 3:34 AM Microsoft
Corporation c:\windows\system32\jscript.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
mshtmled 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\mshtmled.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\clussvc.exe Normal vha.med.va.gov\vancrvwcluster 0
COM+ System Application COMSysApp Stopped Manual Own Process c:\windows\system32\dllhost.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\inetsrv\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\llssrv.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\wdfmgr.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 wuauserv 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 UtilityAll 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\vhamocparsov:Accessories VHAMASTER\vhamocparsov
Accessories\Accessibility VHAMASTER\vhamocparsov:Accessories\Accessibility
VHAMASTER\vhamocparsov
Accessories\Entertainment VHAMASTER\vhamocparsov:Accessories\Entertainment
VHAMASTER\vhamocparsov
Administrative Tools VHAMASTER\vhamocparsov:Administrative Tools
VHAMASTER\vhamocparsov
Startup VHAMASTER\vhamocparsov:Startup VHAMASTER\vhamocparsov
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\acrord32.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.

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.

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.

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.

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
browselc.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
dxtrans.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
iexplore.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
inetcpl.cpl 6.0.3790.3959 361 KB 2/17/2007 10:04:07 AM C:\WINDOWS\system32
Microsoft Corporation
inetcplc.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
쾝로□ʌممÂ□坳
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
mshtmled.dll 6.0.3790.3959 447 KB 2/17/2007 10:03:00 AM C:\WINDOWS\system32
Microsoft Corporation
mshtmler.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
[16]: File 1
[17]: File 1
[18]: File 1
[19]: File 1
[20]: File 1
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[51]: File 1
[52]: File 1
[53]: File 1
[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: RPCs 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

ORQQVI1 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

Appendix G: Configuring a build to work on a computer that doesn't have Visual Studio 2010

To get a build to work on a computer that doesn't have Visual Studio 2010 installed, follow the solution that's outlined in the blog: http://blogs.msdn.com/b/webdevtools/archive/2010/05/26/visual-studio-2010-web-deployment-projects-rtw-available-now.aspx.

Here are the steps to take in order for the build to work. Note, that "\\name" represents a development computer where VS2010 is installed:

1. Install Visual Studio 2010 Web Deployment Project – RTW from http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=24509.

2. Install Windows SDK 7 and .NET framework 4 from this link http://msdn.microsoft.com/en-us/windows/bb980924

3. Copy \\Name\Program Files\Microsoft SDKs\Windows\v7.0A\bin\aspnet_merge.exe to C:\Program Files\MSBuild\Microsoft\WebDeployment\v10.0\aspnet_merge.exe

4. Edit C:\Program Files\MSBuild\Microsoft\WebDeployment\v10.0\Microsoft.WebDeployment.targets file by adding two lines highlighted in yellow:
   from:

```
 <!--**********************************************************-->
 <!--Include the WPP targets file-->
 <Import Project="..\..\VisualStudio\v10.0\Web\Microsoft.Web.Publishing.targets"
Condition="$(_WDP_WPPExists)" />
 <!--**********************************************************-->
```

   to:

```
 <!--**********************************************************-->
 <!--Include the WPP targets file-->
 <Import Project="..\..\VisualStudio\v10.0\Web\Microsoft.Web.Publishing.targets"
Condition="$(_WDP_WPPExists)" />
 <Import Project="..\..\VisualStudio\v10.0\Web\Microsoft.Web.Publishing.targets" />
 <Import Project="..\..\VisualStudio\v10.0\WebApplications\Microsoft.WebApplication.targets"
/>
 <!--**********************************************************-->
```

me

5. Copy \\Name\Program Files\MSBuild\Microsoft\VisualStudio\v10.0\Web and \\Name\Program Files\MSBuild\Microsoft\VisualStudio\v10.0\WebApplications directories to C:\Program Files\MSBuild\Microsoft\VisualStudio\v10.0.