HP OpenView Enterprise Discovery

For the Windows® operating system

Software Version: 2.1.1

Release Notes

Manufacturing Part Number: None

Document Release Date: October 2006

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HP OpenView Enterprise Discovery

Release Notes

Software version: 2.1.1 / October 2006

This document provides an overview of the changes made to Enterprise Discovery for version 2.1.1. It contains important information not included in the manuals or in online help.

In This Version

Introduction

These release notes are for Enterprise Discovery 2.1.1. This new version of Enterprise Discovery is the upgrade path for users of Enterprise Discovery 2.1, 2.0.x, and users of Network Discovery 5.2.5.

If you want to see what features have been introduced in Enterprise Discovery 2.0, 2.0.1, 2.0.2, 2.0.3, and 2.1, you can read the *Release Notes* for those versions, available on your installation CD under bin\documentation.

License Schema

Each Enterprise Discovery server can collect data for a maximum of 50,000 devices or 100,000 ports (whichever comes first). An Enterprise Discovery Aggregator can support 50 servers and up to 500,000 devices.

Updated third party components

- Apache httpd 2.0.59
- JRE 1.4.2_12
- MySQL 4.1.21
- OpenSSL 0.9.7l
- OpenSSL 0.9.8d

New Features

There are some minor new features added to this version of Enterprise Discovery.

Extended Find

New options have been added to the Find feature so that you can search based on Asset Data fields. The Find criteria menu has been rearranged and now includes two levels of specification.

MIB Browser Improvements

The MIB Browser is always available, regardless of license. You can now view, create, and copy user credentials in the MIB Browser dialog that support SNMPv3 user credentials.

Scanner Detection of Multi-Core CPUs

Enterprise Discovery now supports multi-core processors for Windows® and Linux operating systems. When a server or workstation is discovered, both the physical number of CPUs and the number of processing cores in each CPU are recorded.

Improvements to Inventory Scanning Process (Workflow Changes)

Scanner deployment workflow now removes a device from the "Pending Agent Deployment" queue when a manually initiated agent ping for the device is successful.

Two XML Enrichers

By default, Enterprise Discovery is configured to use one XML Enricher service. This is adequate for most situations. However, in exceptional circumstances when the scan files flow into the incoming directory faster than the XML Enricher is able to process them, a build-up of scan files can appear in the incoming directory. To allocate more processing power to enriching scan files, Enterprise Discovery can now be configured to use 2 XML Enricher services. You can specify this in **Administration > System Configuration > Server Configuration > Number of XML Enrichers to run**. Additional CPUs may be required to use this feature.

Navigation Tree Behavior

Then navigation tree in the web UI behaves a bit differently. If you click an item with children, that item is selected, and its content is displayed on the right side of the UI. The branch under that item in the left navigation menu is not expanded, however. You must double-click the item to expand the branch underneath it.

Improved Breadcrumb Behavior

The breadcrumb behavior is now consistent. The breadcrumbs update properly no matter how you get to a specific page. In addition, the last link in the breadcrumb trail is now clickable. You can see this on pages where you enter and then save some data. For example, if you go to **Administration** > **Account Administration** > **Add an account,** and you try to add an account by clicking the **Add account** button, the "Add" breadcrumb on the new page that opens will be clickable. This enables you to go back to the Add page and add a new account.

Daylight Savings Time Changes

There is an upgrade in the JRE third party component to adapt to the new daylight savings time. Daylight savings time in the U.S. and Canada will begin earlier (the second Sunday in March) and end later (the first Sunday in November) starting in 2007.

Disable Unused Accounts

You can now specify the time after which unused accounts are disabled. Choices range from 30 days to Never. By default, accounts are no longer disabled upon upgrade.

MKS Perl Warning

If you attempt to install the Enterprise Discovery server on a system where MKS Perl is installed, you will receive a warning message indicating that the MKS Perl distribution is incompatible with Enterprise Discovery.

Obsolete Features

All features in 2.1 are currently supported in release 2.1.1.

Documentation Updates

The first page of this release notes document contains the following identifying information:

- Version number, which indicates the software version.
- Publish date, which changes each time the document is updated.

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

http://ovweb.external.hp.com/lpe/doc_serv/

1 In the Product list, click the product name (for example, Enterprise Discovery).

2 In the Version list, click the version number.

3 In the OS list, click the operating system type.

4 In the document list, click the document title.

5 To retrieve the document, click **Open** or **Download**.

> To view files in PDF format (`*.pdf`), Adobe® Acrobat® Reader must be installed on your system. To download the Adobe Acrobat Reader, go to the following URL:
>
> www.adobe.com

The following PDF documents are available in the Enterprise Discovery user interface:

- Planning Guide
- Installation and Initial Setup Guide
- Configuration and Customization Guide
- Network Data Analysis Guide
- Scan Data Analysis Guide
- Reference Guide
- Network Discovery Migration Guide

One other PDF file is available on the install CD at bin/documentation:

- Legacy Scanners

And this last document is available in HTML format, through the Enterprise Discovery client (**Start > All Programs > HP OpenView > Enterprise Discovery 2.1.1 > Documentation**)

- Data Collected by the Scanner

Installation Notes

Installation requirements, as well as instructions for installing Enterprise Discovery, are documented in the *Installation and Initial Setup Guide* provided in Adobe Acrobat (.pdf) format.

If you are upgrading from a previous version, you need to follow these steps:

1 If you have created your own User SAIs, make sure you back them up manually before uninstalling Enterprise Discovery.

2 Save an external backup of your data, if necessary.

3 Uninstall the old version of Enterprise Discovery, using the Windows "Add/Remove Programs" feature.

4 Depending on the version you are upgrading from, delete one of the following directories from the server:

   Version 2.0.x: C:\Program Files\Peregrine\Enterprise Discovery*.*

   Version 2.1.0:   C:\Program Files\HP OpenView\Enterprise Discovery\2.1.0

5 Reboot the server before you install the new version.

   The uninstallation will not delete the Enterprise Discovery Data directory. Rebooting the server will ensure that all parts of Enterprise Discovery are removed.

6 Install the new version and follow the steps in the *Installation and Initial Setup Guide*.

   If you changed the default location of the Data directory when you installed a previous version, you need to ensure that you use the same location when you install the new version.

▶ Perl, MySQL, Tomcat and Apache are standard parts of the Enterprise Discovery, included with each server installation. If you have these components installed already, make sure to remove them before installing Enterprise Discovery. You may NOT substitute any other technologies in place of the standard installation.

Software and Hardware Requirements

The Enterprise Discovery server can be installed on Windows 2003 Server SP1. (Windows® XP SP2 is also compatible, but should only be used for trial or demo installations.)

The following table details a variety of scenarios that can help you estimate your server hardware requirements. The Disk value is for your data directory. You will require at least 6MB under Program Files for the Enterprise Discovery installation.

Table 1 - Hardware Requirements

Devices	Ports	Aggregation	Inventory	Topology	Memory (GB)	CPU	Disk (GB)
5,000	30,000		x		1.5	1 CPU 2.4GHz	25
5,000	30,000			x	1.5*	1 CPU 2.8 GHz hyperthreading	15
5,000	30,000		x	x	2*	1 CPU 2.8 GHz hyperthreading	35
15,000	90,000		x		2	2 CPUs 3 GHz hyperthreading	70
15,000	90,000			x	3.5	2 CPUs 3 GHz hyperthreading	35
15,000	90,000		x	x	4	2 CPUs 3 GHz hyperthreading	100
50,000	100,000		x		3	2 CPUs 3.6 GHz hyperthreading	200
50,000	100,000			x	4	2 CPUs 3.6 GHz hyperthreading	50
50,000	100,000		x	x	5	2 CPUs 3.6 GHz hyperthreading	240
50,000	n/a	x	n/a	n/a	2	2 CPUs 3 GHz hyperthreading	10
500,000	n/a	x	n/a	n/a	3	2 CPUs 3.6 GHz hyperthreading	50

* This is for 5 map sessions. If you want to use more than 5 map sessions, you will require more memory

▶ These requirements are running one XML Enricher. If you plan to run two XML Enrichers, more CPUs may be required.

These calculations have been tested as scenarios for maximum disk size on the server. For the Inventory license, this includes:

- **Backup Scan Files** in enabled (on average, each scan file is 250KB)
- **Generate MIF Files** is enabled
- **Delta scanning** is enabled
- Space required for two backups (one stored backup, and one "in process" backup)
- For the Network Topology license, this includes:
- **Statistic Export** is enabled (CSV files)
- 200 users, with each user account saving 10 map configurations files
- Space required for two backups (one stored backup, and one "in process" backup)

The Enterprise Discovery client has the following requirements:

Operating System	Windows 2000, XP, or 2003
CPU	Pentium® III, 500 MHz
RAM	500 MB (1-3 GB if you will be analyzing a large number of scan files.)
Disk	100MB required (2GB recommended)
Java™ Runtime Environment	1.4.2 or 1.5

Enhancements and Fixes

The following items (identified by error tracking number) were added or fixed in the current software release. Table 2 lists enhancements to existing features or behavior; Table 3 lists problems that were fixed.

Table 2 - Enhancements

Number	Location	Enhancement Description
16789	Administration > Remote server administration > Remote Server Properties	The Aggregator transfer schedule is now allowed to be every hour.
16428	Administration > System Configuration > Expiry	The "Stale Connection Interval" setting was previously misnamed.
16901	Agents	On Windows NT® 4 workstations and Server where the Enterprise Discovery agent is running with the usage plug-in enabled, a large amount of network traffic occurs. The plug-in was enhanced to eliminate the unnecessary traffic.
16280	Backup/Restore	In attempting to reduce the space and time requirements to produce the daily archive (backup) file, it is now possible to elect not to save the contents of the *<DataDir>*/Aggregate/Imported directory.
15701	Database	Changes to database schema and configuration files for discovery process.
16290	Device Manager	Device manager default window size is now larger.
16710	Documentation	Mac OS X agent installation is now documented.
15914	Find	Find no longer returns duplicate entries when searching by IP address. The port takes precedence if the search returns both device and port entries to avoid duplication.
16344	Network Map	The Network Map no longer disconnects automatically, especially if the server is very busy.
16393	Network Map	Correct file extension is now ensured when saving files with the chooser.
16445, 16602, 16645	Notification	The process of sending SNMP traps has been improved. The ability to set the location of the snmptrap software, as well as enhanced checks that the correct version of the software will be executed are now available. The snmptrap location can be configured by using **Administration** > **SNMP Trap Configuration** > **Set software location**.

Number	Location	Enhancement Description
16401	Scanners	Scanners can now properly detect dual core CPUs on Windows and UNIX systems.
16443	Scanners	When performing an upgrade, and deleting scanners from <data directory>\scanners, the scanners will now be automatically updated.
16372	UNIX Scanners	Support for new UNIX CPUs has now been added.
16340	Web UI	The splash screen has been improved.
16353	Web UI	The rendering of the navigation tree has been optimized. This is visible on aggregators with a large number of servers.
16426	Web UI	On large servers, some numbers on the home page will update less frequently to improve system performance.

Table 3 – Problems Fixed

Number	Location	Fix Description
16706	Account administration	It is no longer possible to create a user account without a password when a new user account is created in Server > Administration > Account Administration > Add an account.
16212	Administration	A "No ED server" warning no longer appears on the Home Page if the Enterprise Discovery server has a duplicate model in the database.
16391	Administration	An issue has been resolved regarding duplicated server names in the case where the Aggregator server is named "aggregator."
16628	Administration > Account Administration > Add an account	The server error message encountered when trying to modify the account properties has been corrected.
16662	Administration > Event filter configuration	In the Event configuration page, if nothing is selected in check box group, it is now automatically set to all.
16470, 16472	Administration > MySQL accounts	If username and password are the same value, the account is created after the password is modified.
16671	Administration > MySQL	It is now possible to change Mysql Account

Number	Location	Fix Description
	accounts	passwords.
16370	Administration > Network Configuration	Button in the network configuration add range is now grayed out if no group/set is selected.
16750	Administration > Network Configuration > SNMP Property Group	The SNMPv3 credentials are now validated.
16665	Administration > Router Discovery > Router discovery results	Router discovery results no longer return a server error.
16660	Administration > System Configuration > Scan file management	Hardware field names are now truncated to remove trailing spaces before verification.
16469	Agents	Mac OS X agent is now upgrading correctly in a consistent manner.
16257	Aggregate agent status	Clicking the **CSV** link on the **Aggregate View** > **Status** > **Aggregate agent status** page no longer causes the 404 error messages.
16144	Aggregate Find	Aggregate Find box no longer returns wrong data.
15430	Aggregator	Remote server properties are no longer reset to the default values after a system restart.
16286	Aggregator	Aggregate account names can now contain the hyphen (-) character in the same way that local account names can.
16326	Aggregator	The maximum number of servers is limited to 50.
16717	Aggregator	Adding a Remote Server by Aggregate View > Administration > Remote server administration > Add a Remote Server no longer results in a "Server Error" even though the remote server appears to be successfully added.
16517	AIX	The AIX scanner now properly detects the graphic card manufacturer and the network card MAC address.
16396	Alarm Viewer	The **Alarms Viewer** > **Edit** > **Copy** command now copies everything, including the date.
15619	Alarms Viewer	In the Value column of the exception called "Read/Write is Enabled in Serial Number entry in MIB," there is no longer HTML code visible.
16266	Alarms Viewer	Selecting a report alarm in the Alarms Viewer now

Number	Location	Fix Description
		updates the recent device list.
16798	Analysis Workbench	The Analysis Workbench no longer crashes when Access Violation occurs.
13680, 16344, 16351	Apache	The Web-based UI is no longer unresponsive when many users were using it concurrently.
16208	Applets	Communications lamps are no longer blocked by modal dialogs.
16223	Applets	Applet Ports window can now sort by device icon.
16748	Applets	Now the SNMP credentials are displayed when you right-click on a device and select SNMP ping.
16447	Backup/Restore	MySQL accounts are now backed up properly.
15239	Client Installation	When installing the client distribution, there are no longer conflicting warnings about minimum RAM requirements.
16310	Data Deletion	Delete Data > Above plus accounts now deletes the default accounts and re-creates them.
16562.	Data Deletion	When data is deleted using the **Administration** > **Data Management** > **Delete Data**: "Network data and user accounts" option, all the user accounts are deleted. The default accounts are then recreated when the system restarts.
16503	Data Import/Export	The correct wording appears in the message for the case when no data has been selected for import.
16528	Data Import/Export	If a csv file sets some fields to "true", importing it again no longer changes the "true" field to "false" every other time.
16844	Database	MySQL warnings no longer appear in the Windows Event log.
16890	Database	A new mysql account can now connect to the aggregate database. When the system is restarted, the read privileges for the user-defined mysql accounts are no longer lost.
16635	Device Manager	A warning message has been added to the Device **Manager** > **Diagnosis Panel** in the Network Configuration section if a property is overwritten by a global discovery configuration option.
16674	Diagnosis/Agent Ping	The agent ping diagnostics tool will now work even if a Scanner Property group is not configured for

Number	Location	Fix Description
		the device.
16848	Discovery Engine	Scan-only models now have the device information stored into the database when the model is created. This also solves the issue of duplicate scan-only models being created sometimes.
16636	Documentation	The steps about how to configure the Enterprise Discovery server to have a large scan only IP range are now documented.
16703	Documentation	Data generated by scanners is now up-to-date. For example, the Mac OS X agent information is no longer missing and legacy platforms are included, etc.
16817	Documentation	The reference to Connect-It version 3.5 in the Installation and Initial Setup Guide has been corrected to version 3.6.
16027	Environment Variables	Environmental poller related options are now dependent on the Alarms license.
16858	Event Browser	In some cases, the device icon, name, or port did not appear in the Event Browser.
16209	Events Browser	There are no longer empty event records in the Events Browser.
16643	Exceptions	The exception for "Agent Deployment Failed" now filters based on the device type list configured in Administration > System Configuration > Agent Communication > Agent deployment device type
16050	Find	Previously, if you had a large network, and you did a search for a relatively vague value using Easy Find, the database would crash (and recover) if you had thousands of matches. The database no longer crashes when Find returns many matches.
16526	Find	The Find dialog is now non-modal.
16430, 16431	Home Page	Last failed login information no longer appears on the homepage if no failed login attempts have occurred.
16797	HPUX	The installed application detection problem on HP-UX systems no longer occurs.
16040, 16213, 16269, 16270, 16272, 16273, 16275, 16276, 16277,	Licenses	User interface elements including menu items, buttons, table rows and columns, tabs, and online help links appear only when the pertinent license

Number	Location	Fix Description
16322, 16325, 16359, 16735, 16790, 16014, 16215, 16039, 16040, 16043, 16268, 16271, 16274, 16698		combination is present.
16190	MIB Browser	In the MIB Browser, a continuous search for a non-existing device no longer causes an intermittent "system error" pop-up.
16739	MIB Browser	The Get Next button is now enabled in the MIB Browser.
16777	MIB Browser	Tree in MIB Browser no longer fails to expand the second time that the MIB Browser is opened.
16782	MIB Browser	MIB Browser table now sorts properly on the Entry column.
16783	MIB Browser	The icon that allows you to go up one level in MIB Browser is now enabled correctly.
16805	MIB Browser	MIB Browser can now set an SNMP value with a quotation mark in it.
16811	MIB Browser	In the MIB Browser, Refresh now updates the Variable tab.
16812	MIB Browser	The set button in MIB Browser is now enabled when the variable is writeable.
16525	Network Configuration	IPv4 ranges can now be added using Router Discovery.
16063	Network Map	Map scale text entry now reverts when it loses focus.
16224	Network Map	Device popup information on the map is no longer empty when the device name is very long.
16207	Port Manager	The potential server error when making a connection for a newly modeled device no longer occurs.
16423	Port Manager	The port number is now pre-selected when the Port Manager is called from the Device Manager and Port Manage window is already open.
16220	Reports	Filtering unknown file types is now consistent.
16508	Reports	The Copy Count now agrees with UnrecognizedFilesByScanner (summary) and FileReport (detail).

Number	Location	Fix Description
16565	Reports	An inconsistency in the "Top Application" reports has been corrected.
16339	SAI Editor	The error on attempt to open the "Import Data from MSI" second time has been removed
16702	SAI Editor	Potential data corruption in the Master SAI has been fixed.
16810	SAI Editor	Linear release relationships are no longer recognized as circular.
16819	Sample Scan Files	The HP-UX sample scan file has been updated.
16815	Scan Data Viewer	User list in Scan Data Viewer is now flushed when a new device is selected.
16787	Scanner	The scanner is configured to delete invalid characters. Handling of invalid characters in file names has been improved.
16237	Scanner Deployment	Error messages in the scanner deployment log are now more explicit.
16673	Scanner Deployment	If the scanner binary has been manually deleted from a machine, the "Run Scanner" step in the scanner deployment workflow will redeploy it.
14746	Scanners	The UNIX® scanners now normalize hwSCxxx Yes/No to 0 and 1 depending on platform and how these values are supported on the platform.
16262	Scanners	Device driver file attribute is now detected by the Win32 scanner.
16512	Scanners	Rated CPU speed is no longer written to the scanfile if unavailable.
16515	Scanners	The -excl:96 option now disables installed application detection.
16527	Scanner deployment	Scanner Upgrade step is now run if the scanner binary name configuration has changed.
16610	Scanners	Specific stored files are no longer stored when the option is disabled.
16612	Scanners	SMBIOS are no longer collected by the Linux scanner when it is disabled in Scanner Generator.
16613	Scanners	Swap file data is collected only if a corresponding option is checked in Scanner Generator.

Number	Location	Fix Description
16614	Scanners	TCP/IP (and related) settings are not detected when TCP/IP checkbox is unchecked in Scanner Generator.
16615	Scanners	PCI data is detected only if the corresponding checkbox is checked in Scanner Generator.
16621	Scanners	The wrong data type was used when passing file size as an argument. Total scanned size is now calculated in MegaBytes.
16623	Scanners	Various issues related to disk size calculations have been corrected.
16639	Scanners	cfgCreationMethod no longer shows as a Solaris Scanner in scan files produced by the AIX scanner.
16640	Scanners	Video Data information is no longer missing in the AIX scan file.
16642	Scanners	hwNetworkLogonName is now detected properly for HP-UX.
16695	Scanners	The scanner for the Enterprise Discovery server is automatically deployed even when the Deployment license is not present or when the "Automatic scanner deployment active" configuration option is turned off.
16712	Scanners	Scanner no longer crashes when scanning a ZIP archive that is located inside a .gz file.
16715	Scanners	Saving scan files on the Enterprise Discovery server using http no longer fails with Windows scanners.
16733	Scanners	BIOS detection in Linux is fixed and also can handle 64-bit Linux.
16830	Scanners	Cache parameter detection is fixed.
16835	Scanners	Negative one values (-1) are no longer present in scan files when the character should be blank.
16627, 16632	Scanners	Wildcard matching now works properly in UNIX.
16474	Server	In the case of the scanner upload, the algorithm limiting the data transfer based on the bandwidth setting has been corrected.
16638	Server	The "I want to use Enterprise Discovery as I used Desktop Inventory" upgrade scenario now works

Number	Location	Fix Description
		with the Topology license as well.
16619	Solaris	CPU Mask and CPU Board are now detected on Solaris systems.
16624	Solaris	The Solaris scanner no longer ignores auto-mounted directories and disk size calculation is fixed.
16625	Solaris	The Solaris scanner can now detect many UNIX System Configuration Data.
16626	Solaris	User profiles are no longer missing in the Solaris scan file.
16085	Solaris Scanner	On Solaris 9 systems the scanner now returns the correct CPU count.
16441	Solaris Scanner	On Solaris 8 systems, the scanner would crash when using a configuration set to filter storing empty directories. The issue has been resolved.
16479	Solaris Scanner	Solaris 2.6 is no longer missing information from its Bus Data.
16740	Solaris Scanners	NIC recognition problem has been resolved on Solaris systems.
16293	Status > Percent recognized files	When there are no files to recognize, the graphs will no longer display values at 100%.
16348	Status > Percent recognized files	Trying to display the graphs when there is no data for a particular OS will no longer cause a server error.
16341	System Monitor	When the system time is moved forward, the System Monitor will restart. In previous releases, it stopped all the services but did not restart.
16448	System Monitor	Event filters are now deleted as part of the **Administration** > **Data Management** > **Delete Data**: "Network data, user accounts and configuration data" option. If the **Administration** > **Data Management** > **Delete Data**: "Network data" option is used, event filters are not deleted.
16225	Viewer	The description field at the bottom of the Scan Data Viewer is now properly updated when deselecting an item from the table on the hardware tab.
16564	Viewer	Missing descriptions for some hardware asset fields in the Scan Data Viewer were added.

Number	Location	Fix Description
16781	Viewer	The viewer no longer crashes when opening a scan file with unknown locales.
16201	Web Asset Questionnaire	When the Web Asset Questionnaire rejects duplication in the User Defined Asset field, it explicitly indicates why.
16298	Web Asset Questionnaire	Web Asset Questionnaire can now change to a new device.
16306	Web Asset Questionnaire	Duplicate items are removed from the selection list string since strings longer than 255 characters will be truncated.
16439	Web Asset Questionnaire	Demo users can no longer access the Web Asset Questionnaire.
16726	Web Asset Questionnaire	Validation for numerical answer rules has been added.
16291, 16205	Web Asset Questionnaire	The radio-button values are now displayed properly when reset to the default.
16205	Web UI	If you select the custom value radio button, but do not actually change the default setting, Enterprise Discovery will now recognize the change.
16236	Web UI	The Enterprise Discovery tree and the right pane now match.
16532	Web UI	The Device Manager and Network Map now display all device data properly when the "Web and applets access" account property is changed from "No" to "Yes."
16536	Web UI	If an export link does not have an HTML page, the item is no longer highlighted on the tree, as in Status > Device Status > CSV device list.
16545	Web UI	Currently logged in users no longer auto-refresh.
16683	Web UI	It is no longer necessary to restart Apache (or the Enterprise Discovery UI) when the active license changes.
16756, 16757, 16761, 16775	Web UI	Breadcrumb navigation has been improved and standardized across the user interface.
16221	Windows	The 32-bit device driver and Win16 helper exe are no longer run on Win64 to avoid error messages in the Windows Event Log.

Number	Location	Fix Description
16226	XML Enricher	New version of auto.zsai has been migrated.
16264	XML Enricher	When migrating from Network Discovery, an XML Enricher setting no longer has a different default.
16376	XML Enricher	An issue related to the Scan Data Viewer not being able to access the scan file (after the scan file grouping configuration has been removed) has been fixed.
16544	XML Enricher	The XML Enricher now outputs all applications, not just the ones with Main files.
16608	XML Enricher	The XML Enricher will reject scan files with no Asset Tag information.

Known Problems, Limitations, and Workarounds

Agents

- The agent upgrade process on Solaris 9 may take a long time (SCR# 16663).
- MAC OS X agent upgrade may not work when initial agent was installed and run from shell (SCR# 16828).

Scanners

- In Manual Deployment mode, the UNIX scanner will not save offsite scan files to a Microsoft® FTP server when the user name is specified in the form domainname/username (SCR# 12893).
- The scanners cannot open some files in non-English operating systems (SCR# 16462).
- Some files excluded in .override.ini are still being scanned (SCR# 15766).
- In the Scan Command Line /O Switch, the "/O" should be "/o" (lower case) (SCR# 15852).
- Automounts are being scanned in HP-UX and Linux systems (SCR# 15950).
- Pressing Ctrl-C sometimes causes access violations for the Win32 scanner (SCR# 16780)
- The Solaris scanner does not collect Physical Disk Data for Solaris 8 systems (SCR# 16796).
- Cache associativity on Solaris is reported as 'unknown' (SCR# 16831)
- The Linux scanner takes a long time to process the installed packages section of the hardware scan (SCR# 16834).
- Time Zone not reported correctly on Linux 2.2 and 2.6 (SCR# 16836).
- Disabling the operating system hardware test results in scanner not running (SCR# 16861).

Analysis Workbench

- In **File > Load Options > Asset Fields > Add > Text File Extract > Options**, whenever the "Treat field as a File Name" option is selected, the "Replace invalid characters with" field must be populated as well, even if the "Delete invalid characters" option is selected instead. Otherwise, the "*The file 'Replace invalid characters with' may not be empty*" error dialog appears (SCR #15827):
- For files in the root directory, the leading slash is missing from the beginning of the UNIX directory structure in AW (SCR# 16838).
- Stored files export from AW failing(SCR# 16896).

SAI Editor

- SAI does not unload from the SAI Editor when it was externally overwritten with a different version (SCR# 16887)

Server Installation

- Server uninstallation will report a "Fatal error" if the Favorites in the Registry contains an invalid path (SCR# 15303).

- After an uninstallation, the branding registry keys are leftover (SCR# 15507).

- When uninstalling Enterprise Discovery on a small server, the uninstaller may not be able to stop the database. It may take several tries to uninstall the software (SCR# 14370).

- Enterprise Discovery with a Network Topology license should not be installed on VMWare (SCR# 16524).

- Non-ASCII characters used in data directory path name can cause problems during the installation (SCR# 16520).

- Unattended installation using MSIEXEC causes the installation to become corrupt if this is not the first installation on the server (SCR# 16785).

Client Installation

- After uninstalling the client, the menu items will still appear under the Windows Start menu (SCR# 16437).

Server

- If your server has another service using port 80, the HP OpenView Discovery Apache service will not run properly (SCR# 14808).

- If there is a MySQL query that takes too long, Enterprise Discovery will not function properly and you may need to restart System Monitor to recover (SCR# 13964).

- An older openssl DLLs in the system PATH can affect the Enterprise Discovery Apache server and perl engines (SCR#16318).

- Manually stopping the System Monitor service while it is starting up can cause it to hang (SCR# 16723).

- Restarting the System Monitor may fail in certain situations (SCR# 16897)

Web User Interface

- Some web pages do not render correctly if the configuration of the Enterprise Discovery server has the decimal separator as any other character than "." (SCR# 14307).

- Dates formatted on computer running in a non-English locale do not show correctly (SCR# 16841).

Administration

- Depending on the licenses, the "Resource/ Environment manage" property in Network Configuration may not have any effect (SCR# 14388).

- In the "Account properties" page, changing the "Default Device Manager panel" or "Default Port Manager panel" to "Statistics" does not work (SCR# 16853).

Reports

- Sometimes web pages under Reports do not completely render or print source code in Mozilla Firefox. Use the refresh button (SCR# 13803).

Web Asset Questionnaire

- A blank numeric field should be accepted if it is not a required field (SCR# 16279).

- The UI may show non-printable characters in text fields (SCR# 16285).

Miscellaneous

- The "Server Management" page does not report correctly the server memory if the value is above 4GB (SCR# 16840).

Applets

- In the Folder tab of the MIB Browser the Object column does not sort properly (SCR# 16814).

- Overwriting the OID field could sometimes kill the MIB Browser session (SCR# 16825)

- The tree in the Scan Data Viewer will disappear when clicking on the "Go up one level in the tree hierarchy" button when the data for a main level folder is displayed (SCR# 16866).

- The Event Browser will fail to display "SNMP Write by MIB OID" events if the applet is using JRE version 1.5.x (SCR# 16876).

Scanner Generator

- In Manual Deployment mode, if you move back and forth through the wizard, your selections may not remain. When you return to a screen, the defaults will reappear (SCR# 15238).

Licensing

Alarms License

- Alarms-related items are not always hidden (SCR# 16041).