

# HP OpenView Enterprise Discovery

For the Windows® operating system

Software Version: 2.1.3

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## Release Notes

Manufacturing Part Number: None

Document Release Date: July 2007

Software Release Date: July 2007



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# HP OpenView Enterprise Discovery

## Release Notes

**Software version:** 2.1.3 / July 2007

This document provides an overview of the changes made to Enterprise Discovery for version 2.1.3. It contains important information not included in the manuals or in online help.

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# In This Version

## Introduction

These release notes are for Enterprise Discovery 2.1.3. This new version of Enterprise Discovery is the upgrade path for users of Enterprise Discovery 2.1.x, 2.0.x, and users of Network Discovery 5.2.5.

If you want to see what features have been introduced in previous versions of Enterprise Discovery (including versions 2.0, 2.0.1, 2.0.2, 2.0.3, 2.0.4, 2.1, 2.1.1, and 2.1.2), 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

There are no new third party components in release 2.1.3.

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## New Features

There are no new features in this release. This release contains bug fixes only.

## Obsolete Features

All features in 2.1.2 are currently supported in release 2.1.3.

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# 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/](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](http://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*

*Migrating from Network Discovery*

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

*Legacy Scanners*

None of these guides have been reissued for release 2.1.3.

The following document is available in HTML format, through the Enterprise Discovery client (**Start > All Programs > HP OpenView > Enterprise Discovery 2.1.3 > Documentation**)

*Data Collected by the Scanner*

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## 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.\*

- 5 Reboot the server before you install the new version.

The uninstall 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

\* Newer CPUs may have lower frequency but higher performance than those shown in the table.

\*\* 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** is 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, 5.0 or 6.0

## Enhancements and Fixes

This release contains bug fixes only. The following items (identified by error tracking number) were fixed in the current software release.

**Table 2 - Problems Fixed**

Number	Location	Fix Description
16920	Upgrade	During upgrade, the SAI converter now runs without an error.
17103	Scanners	Scanners now correctly collect all environment variable extract asset fields.
17164	Upgrade	When upgrading from version 2.0.x, the old SAI files are correctly converted to zsai format..
17251	Discovery Engine	The Discovery engine now gracefully handles SNMP messages with null values.
17265	Discovery Engine	The correct community strings are now consistently used to query devices.
17305	Windows Scanner	WMI data can be properly collected.
17306	Windows Scanner	Scanner now runs properly under Windows 2003 Terminal Services, Windows 2000 Terminal Services, and Windows NT4 Terminal Services.
17385	Upgrade	When upgrading from version 2.0.x, if the agent version is selected explicitly by the user, the version is no longer reset to the default value.
17403	Scanner Generator	The output properties for the WMI fields no longer default to the first item in the list.
17426	Windows Scanner	WMI queries containing special XML characters, such as ' and &, are now properly processed.
17480	Linux Scanner	Disk size is now reported correctly.
17555	Scanners	When a scanner no longer collects asset data, the previous asset data is correctly removed from the database when the scan file is processed.
17566, 17459	Scheduler	Scheduler optimizations are been made to use less database connections under load conditions.
17576	Home Page	Network Availability graphs no longer fail to update after four days.

<b>Number</b>	<b>Location</b>	<b>Fix Description</b>
17726, 17752	Agent	Scanner and Agent data are now stored in the common application data directory, not the directory specified in the user's profile. The new Agent moves any old agent data to the new directory.
17742	SAI Editor	Can now process very large MSI files.
17806	Network Map	Network Map refreshes properly after dragging a device and dropping it into a package.
17808	Linux Scanner	Linux scanner now detects network card properly.
17829	Discovery Engine	Scan files are properly and consistently retrieved when large numbers of IP ranges are configured.
17846	Network Configuration > Import	Agent and SNMP property groups load correctly when imported from comma-separated value (CSV) files.
17851	Windows Scanner	Scanners now run without creating message boxes that require user interaction in cases where there is a corrupt user profile.
17862	Linux and Solaris Agent	Linux and Solaris agents no longer cause excessive CPU usage.
17873	XML Enricher	The System Monitor service no longer crashes when the XML Enricher processes scan files with certain characters in them.
17905	Web Interface	Web server Proxy errors arising after an Update Model command have been alleviated.
17913	Scheduler	Statistics export frequency now works as specified.
17982	Scanners	In Manual Deployment Mode, the scanner no longer exits immediately when the action when no user is logged in is set to "Exit the scanner" on the Miscellaneous tab on the Scanner Options page of the Scanner Generator.
17987, 17563	Applet	Map and MIB Browser disconnect with an I/O error no longer occurs when JRE 6.0 is installed on the client workstation.

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# 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 an FTP server when the user name is specified in the form domain name/user name (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).

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).

Network card detection on AIX systems sometimes reports errors (SCR#16934).

The scanner fails on some Dell Latitude computers when it detects a USB port (SCR# 17874).

## 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).

## Server Installation

Server uninstall will report a “Fatal error” if the Favorites in the Registry contains an invalid path (SCR# 15303).

After an uninstall, 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).

## Web User Interface

### 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 cause the MIB Browser session to terminate unexpectedly (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).

Using the “&” character in package names can cause the Network Map to disconnect (SCR #17102).

## Licensing

### Alarms License

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

## Internationalization

The product does not work when installed in a directory with non-ASCII characters in the path. Enterprise Discovery should only be installed and used with ASCII directory names (SCR #17016).

The Scanner Generator cannot be launched when the product is installed in a directory with non-ASCII characters in the path (SCR #17104).

The Scanner Generator does not work properly when non-ASCII characters are used in various fields (SCR #17060, #17061, #17062, #17064, #17069).

Reports do not use the language options configured in the operating system and will always format the dates in English (SCR #17140).

The statistics graphs do not use the language options configured in the operation system and will always format the dates in English (SCR #17180).

If the thousands (,) and decimal (.) separator are not set to “,” and “.” respectively, some web UI elements may not display properly (SCR #17936).