

# HP Enterprise Discovery

For the Windows® operating system

Software Version: 2.51

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## Release Notes

Manufacturing Part Number: None

Document Release Date: March 2008

Software Release Date: March 2008



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# HP Enterprise Discovery

## Release Notes

Software version: 2.51 / March 2008

This document provides an overview of the changes made to Enterprise Discovery for version 2.51. It contains important information not included in the manuals or in the online help.

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# In This Version

## Introduction

These release notes are for Enterprise Discovery 2.51. This new version of Enterprise Discovery is the upgrade path for users of Enterprise Discovery 2.50, 2.2x and 2.1.x.

If you want to see what features have been introduced in previous versions of Enterprise Discovery (including versions 2.1.x, 2.2x, and 2.50), 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 from a maximum of 50,000 discovered devices and 60,000 devices in total. The port limit is 150,000 ports (whichever comes first). An Enterprise Discovery Aggregator can support 50 servers and up to 500,000 devices.

The Automated Inventory license introduced in Enterprise Discovery 2.20 enables you to purchase inventory capability based on the number of devices that you expect to manage. This license replaces the Device Discovery and Device Inventory licenses provided in versions of Enterprise Discovery prior to 2.20. If you have purchased these two licenses for a previous version, you will have access to all features provided with the Automated Inventory license offered with version 2.51. Note that the Automated Inventory license is functional but is not yet reflected in the Enterprise Discovery user interface.

## Updated third party components

- MySQL Enterprise 5.0.50
- Apache Tomcat 5.5.26

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## New Features

There are no new features in this release. This release contains some minor enhancements and several bug fixes.



Enterprise Discovery 2.51 fully supports Agent, Scanners, and Software Utilization on Windows Vista SP1.

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## Obsolete Features

All features in 2.50 are supported in release 2.51.

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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://h20230.www2.hp.com/selfsolve/manuals/>**

- 1 Uncheck **Show only my products** if checked.
- 2 In the Product list, click the product name (for example, Enterprise Discovery).
- 3 In the Version list, click the version number.
- 4 In the OS list, click the operating system type.
- 5 Click **Search**. A document list is displayed that matches your search criteria.
- 6 In the document list, click the document title. The document opens in your browser window.



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*

None of these guides have been reissued for release 2.51

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

- *Legacy Scanners*



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## Installation Notes

Installation requirements and 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. Refer to the “Upgrading from Enterprise Discovery Version 2.1.x or 2.20” section in the “Upgrade and Migration Scenarios” chapter in the *Installation and Initial Setup Guide* for details.

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

Version 2.1.x: C:\Program Files\HP OpenView\Enterprise Discovery\2.1.\*

Version 2.2x: C:\Program Files\HP OpenView\Enterprise Discovery\2.2\*

Version 2.50: C:\Program Files\Hewlett-Packard\Enterprise Discovery\2.50

4 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.

5 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, Service Pack 1 or Service Pack 2.

Enterprise Discovery must be installed on a local disk. It cannot be installed on network drives, SAN drives, or clustered devices. Enterprise Discovery has been tested in a RAID (redundant array of independent drives) level 0 and level 1 environment. As a result, it has been determined that it can be successfully installed in a RAID level 0 or level 1 environment.

RAID level 0 uses a striped disk array strategy that does not provide fault tolerance. Data striping spreads out blocks of each file across multiple disk drives. In our test environment we use 2 drives. This configuration does not provide for redundancy. It improves performance but does not deliver fault tolerance. If one drive fails then all data in the array is lost.

RAID level 1 uses a mirrored set strategy that provides fault tolerance from disk errors and single disk failure. It results in increased read performance with very small performance degradation when writing. The array continues to operate so long as at least one drive is functioning.

Because it offers the best tradeoff of performance and reliability, level 1 is the recommended RAID platform for Enterprise Discovery. For large networks, level 0 can also be used if performance is more important than fault tolerance. RAID level 5 is not currently supported.

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 6GB for the Enterprise Discovery installation.

**Table 1 – Suggested Hardware Requirements**

Discovered Devices	Inventoried Devices	Ports	Aggregation	Automated Inventory	Topology	Memory (GB)	CPU*	Disk (GB)
6,000	5,000	36,000		x		1.5	1 CPU 2.4 GHz	25
6,000	5,000	36,000		x	x	3**	1 CPU 2.8 GHz	40
18,000	15,000	108,000		x		2	2 CPUs or cores 3.0 GHz	70
18,000	15,000	108,000		x	x	5	2 CPUs or cores 3.0 GHz	105
60,000	50,000	150,000		x		4	2+ CPUs or cores 3.6 GHz	200
60,000	50,000	150,000		x	x	7	2+ CPUs or cores 3.6 GHz	260
50,000	50,000	n/a	x	n/a	n/a	2	2 CPUs or cores 3.0 GHz	10
500,000	500,000	n/a	x	n/a	n/a	3	2 CPUs or cores	50

<b>Discovered Devices</b>	<b>Inventoried Devices</b>	<b>Ports</b>	<b>Aggregation</b>	<b>Automated Inventory</b>	<b>Topology</b>	<b>Memory (GB)</b>	<b>CPU*</b>	<b>Disk (GB)</b>
							3.6 GHz	

\* CPU processor speeds are approximate guidelines. Newer CPUs may have lower frequencies but higher performance than those shown in the table. HP Enterprise Discovery consists of multiple processes, many of which are also multi-threaded. As a result, it benefits from Simultaneous Multi-Threading (SMT) technologies such as Intel® Hyper-Threading and Multi-core.

\*\* 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 and more memory may be required.
- Enterprise Discovery routinely performs many disk access operations. In order to improve performance, especially for networks with a large number of devices, it is recommended that you use fast access disks such as SCSI.

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:

<b>Operating System</b>	<b>Windows 2000, XP, 2003 or Vista</b>
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	5.0 or 6.0

## Enhancements and Fixes

The following items (identified by error tracking number) were added or fixed in this current software release.

Table 2 lists enhancements to existing features or behavior; Table 3 lists problems that were fixed.

**Table 2 - Enhancements**

Number	Location	Fix Description
18374	UNIX Scanner	A new hardware field, <code>hwNICInterfaceName</code> has been introduced to store the network interface name. The description field, <code>hwNICDescription</code> , that used to contain the network interface name on UNIX, has been amended to provide a detailed description of the network card.
18433	Discovery Engine	Scanner merging logic has been improved. The Device ID in the scanner merging logic is now optional and can be removed from the merging list if desired. Making the Device ID optional allows users to better customize their configuration.
18456	Reports	Status reports now allow you to see if the devices are being scanned or modeled according to schedule.
18458	Aggregator	The new hardware field, <code>hwDateProcessed</code> has been introduced. In the enriched scan file, it contains the date the XML Enricher processed the file. In the database, it contains the date the data was successfully imported into the database.
18597	Reports	Enterprise Discovery now works with the Configuration Management (CM) Report Server Engine 5.11.

**Table 3 - Problems Fixed**

Number	Location	Fix Description
17503	Agent Utilization Plug-in	The reporting of application utilization for those applications that were executed for a very short period of time is now more accurate.
17606	Mac OS X Agent	When the Mac OS X agent is running, using the agent installation disk image (.dmg) to upgrade an existing agent now commits the changes immediately. There is no need to reboot the system.
17749	Administration > Discovery Configuration	Clicking on an item under the <b>Administration &gt; Discovery Configuration &gt; Scanner Configurations</b> page of a remote server no longer launches the Scanner Generator for the aggregator server.
18004, 18369	Viewer	Installed application recognition no longer reports wrong application versions in some cases.

Number	Location	Fix Description
18015	Linux Scanner	Virtual network interfaces are now included in the scan file.
18151	Administration > Discovery Configuration	The Export functionality of the Discovery Configuration now works correctly when invoked from an aggregator for a remote server.
18195	Server	Devices are no longer incorrectly deactivated with the "License exceeded" reason. This some times occurred with the Topology license when there were a large number of clouds.
18209	System Monitor	The service-stop timeout value for the System Monitor has been increased to avoid "The service did not respond to the start or control request in a timely fashion" error.
18236	Administration > Discovery Configuration	In the Discovery Configuration, moving credentials up and down in SNMP, Virtualization, or Mobile configuration profiles are now taken into account immediately.
18237	Windows Scanner	In Windows Vista, the scanner now collects port information.
18247	Server	The reports database now contains the device to device connectivity information.
18256	Network Map	On large servers, the network map no longer disconnects. This problem occurred in rare cases only.
18257	Agent Communicator	Excessive CPU and I/O activity when executing the mobile device discovery has been reduced.
18267	Linux Scanner	Rated CPU value is now propagated to CPU 3 and 4 in the scan file.
18271	Server	When a VMware or mobile server is reactivated, the VMware/mobile discovery workflows are now triggered automatically based on the schedule.
18278	Update Model > Query Device, Device Manager	The <b>Update Model &gt; Query Device</b> command is now enabled for mobile devices.
18279	Mac OS X Scanner	The Mac OS X scanner no longer uses a significant amount of CPU cycles when the debug mode is enabled.
18285	SAI Editor	Empty install strings are no longer added to the SAI. They are automatically removed. Empty strings could have an adverse effect on recognition.
18292	Windows Scanner	Device driver files are now detected correctly. The files now have the correct device drive attribute D included as part of their file attributes.

<b>Number</b>	<b>Location</b>	<b>Fix Description</b>
18293	Linux Agent Utilization Plug-in	Software utilization plug-in in Linux no longer corrupts some daily utilization data.
18294	Agents	The startup script for Mac OS X is no longer shipped with all UNIX agents.
18295	Installation	Support information for the agent shown in Add/Remove programs no longer references "support@peregrine.com." It now references "http://www.hp.com/go/hpsoftwaresupport."
18298	System Monitor	The self-signed SSL certificate used to access the Web UI of the Enterprise Discovery server is now issued by Hewlett-Packard instead of Peregrine.
18299	Discovery Engine	The thread processing problem that sometimes causes the Discovery Engine to hang has been corrected.
18300	UNIX Scanner	UNIX scanners no longer spawn several processes when an external command hangs.
18301	Administration > Discovery Configuration	Deleting a credential record from a VMware or Mobile profile no longer deletes the wrong one.
18307	Reports	Drill-downs from a Single Device report with no asset data no longer generate errors.
18313, 18520	Installation	During installation, individual packages part of the Discovery Knowledge, as well as the Discovery Knowledge itself, are now compared correctly and the most recent ones are selected.
18315	Administration > Discovery Configuration	The "Cancel" button in Credential Details page of Virtualization and Mobile Configuration Profiles now works properly.
18325	Network Map	The problem that caused the "Network Map Disconnect Error" to occur on some rare occasions has been corrected.
18327	Applet	The Virtual Devices window no longer shows the VM Status as "unknown".
18329	Scanners	The scanner no longer crashes when saving a log file to a remote location. This happened under certain occasions only.
18331	Server	The consistency check mechanism now works when performing high volume delete operations on the Aggregate database.
18334	Solaris Scanner	The misspelling of Solaris in the scanner banner has been corrected.

Number	Location	Fix Description
18342	Administration > Discovery Configuration	The SNMP V3 username credential is now case sensitive.
18343	AIX Agent Software Utilization Plug-in	There are no longer errors in the utilization agent plug-in log when "idle process" is parsed.
18344	Topology Engine	The Topology Engine no longer crashes while processing the time string with an invalid time value.
18357	Windows Scanner	The Scanner can now retrieve the shortcut details of certain non-standard shortcuts to programs that have a command line argument.
18370	Viewer	The Viewer is now able to go to all of the files found with <b>Edit &gt; Find File</b> .
18371	Analysis Workbench	A warning about library inconsistency is no longer displayed when nothing has changed.
18372	Analysis Workbench	Sorting in the Details window no longer ruins the link up to the Directories window.
18380	AIX Scanner	Network card detection inconsistency on AIX has been resolved.
18385	Server > Aggregate	For an aggregator, the server error after logging in with the "Password expiry:" setting no longer occurs.
18388	Scanners	The problem that caused Extract Options to not be applied to the registry and environment extract asset fields in some occasions has been corrected.
18389, 18390	Administration > Discovery Configuration	Deleting a community string from the SNMP profile no longer deletes the wrong one. Also, editing an SNMP community string no longer corrupts the display list when returning to the main SNMP screen.
18398	UNIX Scanner	NFS3 mount network drives are now detected correctly and are not scanned.
18403	Device Manager	The UUID field for virtual device now correctly displays its UUID instead of the path name.
18406	System Monitor	The problem causing the Enterprise Discovery Server services to fail to start on rare occasions when the system is rebooted has been corrected.
18408	Scanners	The delta scanning logic has been corrected.
18412	Scheduler	The Aggregate database tables are now periodically optimized resulting in improved performance.



<b>Number</b>	<b>Location</b>	<b>Fix Description</b>
18415	UNIX Agent	Only critical scanner/agent errors and agent deployment details are now captured to the UNIX log file so that the file does not grow too large.
18430	Server	Duplicate IP and MAC addresses that belong to the same device in the Discovery database no longer cause Inventory import into the Aggregate database to abort.
18436	Server	MTTR and MTBF reporting thresholds are now working correctly when set to the default values.
18439	Web UI	When starting Enterprise Discovery in the Internet Explorer, the "unsecured image" error no longer occurs.
18442	XML Enricher	The Application description field (which can be set for an application in the SAI Editor or Analysis Workbench) is now imported into the Reports database. Previously this field in the database was always empty.
18449	Server > Admin > Discovery Configuration	The Import button no longer needs to be pressed twice to import data.
18463	Applet > Model Update Device Manager > Model Update	In the applet, as well as in the Device Manager, agent and scanner deployment workflow commands are now correctly enabled based on the configuration.
18481	Status > Device Status	Status reports no longer show inconsistencies between the summary and the detailed view when applying filters.
18483	Notification > E-mail	Links in e-mail event notifications now use the name configured in system preferences.
18486	Scanners	When the Delete Invalid Characters option is selected in the scanner, the scanner no longer fails.
18496	Network Map	On upgrades from Network Discovery, the map no longer fails to open when an unsupported background color was used.
18505	Database	An account named "Carl" no longer appears in the MySQL default user accounts.
18510	Administration > Event Filter Configuration	The changes made to the State Transition fields when modifying the Event Filter Configuration now persist.
18519, 18590	Scanners	The scanner no longer fails when scanning a directory with a % somewhere in its name.
18524	Notification	Entering multiple device IP addresses in the Event Filter no longer causes the Event Manager to crash.

<b>Number</b>	<b>Location</b>	<b>Fix Description</b>
18526	Scanner Generator	The Scanner Generator setting <b>Scanner Options &gt; Always Create Log File</b> that was accidentally omitted in Enterprise Discovery 2.50 has been re-introduced in this release.
18530	Scanners	Some SMBIOS fields that can occur multiple times per record are now added.
18557	Server	Performance has been improved around database connections.
18561, 18577	Event Manager	Events are no longer listed with erroneous future timestamps. The events with invalid timestamps are eventually aged out and are deleted on the local servers but not on the Aggregator.
18564	Administration > Discovery Configuration	In the Import/Export screen, the Export button works as expected in FireFox.
18581	Aggregator	The Aggregator now allows remote Enterprise Discovery 2.2x and 2.50 servers to be aggregated.
18594	Device Manager	The caption in Device Manager "NetBIOS name (scan)" has been changed to "Computer name (scan)."
18595	Windows Scanner	The <code>hwDomainName</code> field on Windows incorrectly contained the domain of the currently logged in user, not the domain of the computer. This has been corrected. A new field, <code>hwNetworkLogonDomain</code> has been introduced to store the domain of the currently logged in user.
18602	Windows Scanner	When the device driver hardware detection is enabled, the scanner no longer exits prematurely in certain circumstances.
18603	Reports	Optimizations have been made to the Unrecognized File Reports.
18623	Scanner Generator	The Directories tab no longer disappears from the Software Details page. This problem occurred on some occasions only.
18637	Solaris Scanner	If the Solaris scanner was configured with a maximum random delay of one hour, the actual delay no longer exceeds this one hour limit.
18689	Database	The list of recognized file executable types has been expanded.
18694	Event Browser	The Back and Forward buttons in the Event Browser now work properly.
18707	Scheduler	Counts associated with file data are now verified every minute instead of every 5 seconds to improve performance.

<b>Number</b>	<b>Location</b>	<b>Fix Description</b>
18709	Analysis Workbench	If a row in the Details Window (for a file) is highlighted and scan files are unloaded, the Details Window is now cleared and clicking on rows in this window no longer causes access violations.
18724	Server	Several issues with the Aggregate database consistency have been corrected.

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# Known Problems, Limitations, and Workarounds

## Agents

- The agent upgrade process on Solaris 9 may take a long time (SCR# 16663).
- On Mac OS X 10.4.10 or above (Intel), there may be a problem with contacting the agent because it can be blocked by a firewall. The agent port needs to be enabled manually either via System Preferences > Sharing > Firewall or via the XServe administration tool in case of centralized administration (SCR# 17960).
- When you install the agent on Windows Vista machines not using the "Administrator" account, the firewall exception is not added into the exceptions list (SCR# 18252).

## 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).
- Automounts are being scanned in HP-UX and Linux systems (SCR# 15950).
- Time Zone not reported correctly on Linux 2.2 and 2.6 (SCR# 16836).
- When a user is connected to a machine through a terminal session, the scanner launched in the manual deployment mode gets data related to the session rather than the actual video card data. Also, the video card and video memory are not detected properly (SCR# 17528).
- The scanner does not take into account the **Files to Scan > Attributes** option configured through the Scanner Generator (SCR# 17992).
- The scanner does not take into account the "Only store files smaller than" option for stored files configured to be collected from a "Specific directory" in the Scanner Generator (SCR# 18017).
- The Windows Vista Service Pack 1 is not detected properly on x64 versions of Windows Vista (SCR# 18746).
- The Mac OS X (x86) scanner does not collect detailed CPU cache information and the logical CPU count is not correct for dual Core CPUs (SCR# 18754).
- The Mac OS X scanner does not collect information on cards and USB data (SCR# 18755).
- The following new Windows operating system versions may not be identified properly as part of the hardware data displayed in the Enterprise Discovery Viewer. These also include x64 versions, where available (SCR# 18774):
  - Windows Vista Home Premium Edition N
  - Windows Vista Enterprise Edition N
  - Windows Vista Ultimate Edition N
  - Windows Server 2008 Server Standard Edition (core installation)
  - Windows Server 2008 Web Edition (core installation)
  - Windows Server 2008 Standard Edition without Hyper-V (full installation)
  - Windows Server 2008 Datacenter Edition without Hyper-V (full installation)
  - Windows Server 2008 Enterprise Edition without Hyper-V (full installation)
  - Windows Server 2008 Standard Edition without Hyper-V (core installation)

- Windows Server 2008 Datacenter Edition without Hyper-V (core installation)
- Windows Server 2008 Enterprise Edition without Hyper-V (core installation)

## 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).

## Server Installation

- 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).
- After an uninstall, the branding registry keys are leftover (SCR# 15507).
- Non-ASCII characters used in data directory path name can cause problems during the installation (SCR# 16520 and SCR# 17016).
- Enterprise Discovery with a Network Topology license should not be installed on VMware (SCR# 16524).

## Server

- 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).
- If your server has another service using port 80, the HP Discovery Apache service will not run properly. As a workaround, you can comment out the "Listen 80" directive in the `httpd.conf` file (SCR# 14808).
- An older OpenSSL DLLs in the system PATH can affect the Enterprise Discovery Apache server and Perl engines (SCR# 16318).
- In some cases, the event notification delays configured in filters are not taken into account (SCR# 18528).

## Aggregation

- For aggregation to fully function, the version of the Enterprise Discovery Server that is being aggregated must be identical to that of the Aggregator. That is to say that if the Aggregator is running version 2.51, the aggregated servers must also be running 2.51 (SCR# 18740).

## Web User Interface

### Administration

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

- The password for the default "demo" account does not conform to the account/password validation rules (SCR# 18238).
- Under **Administration > System Configuration > Server Passwords**, if the password history flag is set to "0", setting the same password on the account does not work when done twice within 5 minutes (SCR# 18239).

## 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

- The UI may show non-printable characters in text fields (SCR# 16285).
- In Internet Explorer, when connecting to the main page through a proxy server, the "You are connecting from" IP address reported will be the IP address of the proxy server not that of the remote computer address (SCR# 17870).

## Applets

- Pasting information in any Find dialog box does not work when using the SHIFT+INS key combination (SCR# 18235).

## Licensing

### Alarms License

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

## Integrations

- UTF8 Enterprise Discovery data may not display correctly when viewed through the Configuration Management (CM) Reporting Server 5.10 (SCR# 18273).

## Internationalization

- The statistics graphs do not use the language options configured in the operation system and will always format the dates in English (SCR# 17180).
- NetBIOS information collected by the network models will be displayed incorrectly if the string has non ASCII characters (SCR# 17411).
- There are several problems with the SAI Editor accepting characters in the Korean code page (SCR# 18126, SCR# 18127).
- When non-ASCII characters are used to define Schedules in the Discovery Configuration, the **Status > Current Settings > Discovery Configuration** may display errors when listing the Configuration Profile information (SCR# 18144).

- Various UI screens (reports, status reports, Device Manager, and so on) format the "day of the month" part of the date as Arabic numerals instead of using the language option configured by the operating system (SCR# 18218).