HP Discovery and Dependency Mapping Inventory

Software Version: 9.32

Release Notes

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HP Discovery and Dependency Mapping Inventory

Release Notes

Software version: 9.32 / April 2012

This document provides an overview of the changes made to Discovery and Dependency Mapping Inventory (DDM Inventory) for version 9.32. It contains important information not included in the manuals or in the online help.

Conventions Used in this Document

In This Version

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Conventions Used in this Document

By default, when you install the DDM Inventory Server software, all the components will be in one of the locations specified in the following table. The placeholders are used to represent the DDM Inventory program and data folders referenced in this document:

Folder	Placeholder	Platform	Default Location
Program Files	`<InstallDir>`	Windows Server 2008 x64	`C:\Program Files (x86)\Hewlett-Packard\DDMI\9.32`
		All others	`C:\Program Files\Hewlett-Packard\DDMI\9.32`
Data Files	`<DataDir>`	Windows Server 2008	`C:\ProgramData\Hewlett-Packard\DDMI`
		Windows Server 2003	`C:\Documents and Settings\All Users\Application Data\Hewlett-Packard\DDMI`

You can customize both of these locations when you install the DDM Inventory Server.

In This Version

Introduction

These release notes are for DDM Inventory 9.32. This new version of the product is the upgrade path for users of DDM Inventory 7.6x, 7.70, and 9.3x.

If you want to see what features have been introduced in previous versions of DDM Inventory (formerly called Enterprise Discovery), you can read the *Release Notes* for those versions available on your installation CD under `bin\documentation`.

License Schema

Each DDM Inventory server is limited to holding a maximum of 50,000 inventoried devices, 60,000 discovered devices, or 150,000 discovered network ports (whichever occurs first). A DDM Inventory Aggregator can support up to 50 servers and up to 500,000 devices.

From DDM Inventory 9.31 onward, the port limitation is increased to 500,000 with a non-NMS license.

Updated Third-Party Components

There are no updated third-party components in this version.

New Features

DDM Inventory 9.32 provides several new features to extend existing functionality and provide users with new capabilities. The following section describes these features.

Enhanced Support for Solaris Zones

When running the scanner in the local zone scan mode, DDM Inventory can determine the parent/child relationship between the physical host devices and the virtual devices (zones) that are hosted on the physical devices. The device information is displayed in the Virtual Devices Window, Device Manager, and the Virtual Device Reports. For more information, refer to the "Virtualization and Enterprise Discovery" chapter in the Reference Manual.

To switch from global zone mode to the local zone mode, perform the following:

- Disable the generation of local scan files from the global scan file.

    Select **Administration** > **System Configuration** > **Scan Processing**.

    For the **Generate Solaris local zone inventory from the global zone** option, select **Custom,** and then select **No.**

- Run the Scanner Generator to produce a new configuration file for the Solaris scanner.

    On the **Miscellaneous** tab, clear the **Non Global zone (Solaris)** check box

NOTE: After upgrading to DDM Inventory 9.32, device information for Solaris Zones is purged automatically. This device information will not appear on the reports until the devices are rediscovered.

Enhanced Rule-Based Recognition

Rule-based recognition has been enhanced in DDM Inventory 9.32 for installed packages.

A new page is added to the Application Rule wizard that specifies how the main file is selected. You can specify file name, directory, and file type attributes that are included or excluded from the selection criteria.

For more information, refer to the SAI Editor online help.

New Scanner Platform

The following platforms are now fully supported (scanner/agent/software utilization).

- Oracle Linux 4, 5, 6
- CentOS 5, 6
- Oracle Solaris 11
- Apple Mac OS X 10.7

For more information, refer to the Compatibility Matrix.

Scanner Enhancements

- The logic of software scanning is optimized to significantly reduce the CPU usage.

- The CPU detection logic is updated and supports new CPUs for Solaris and AMD as follows:
  - Solaris: SPARC64-IV, SPARC-T3, and UltraSPARC-T4
  - AMD: C60, A4, A6, A8, E2, E-300, E-450, FX Quad-Core, FX Six-Core, and FX Eight-Core

Analysis Workbench Enhancements

You can choose to not perform recognition during the re-recognition process by selecting a new option in the Analysis Workbench. Using this option can save time when a lot of scan files are loaded into the Analysis Workbench.

For more information, refer to the Scan Data Analysis Guide.

Compatibility Notes

Reports Database Changes

Additions

- The `fLanguageCode` column has been added to the `Aggregate.File` table.
- The `Aggregate.hwsmbiosPhysicalAttributes` table has been added.

Scanner Support Information

Scanner and agent support for the following platforms was removed as of release 9.32:

Platform	Last Release Providing Support
Oracle Solaris 8	Discovery and Dependency Mapping Inventory 9.31
Apple Mac OS X 10.4, 10.5 (PPC)	Discovery and Dependency Mapping Inventory 9.31

All other Scanners and Agents supported in the 9.31 release of this product are supported in the 9.32 release. Refer to the Compatibility Matrix for the 9.32 release for the list of all supported platforms.

> When upgrading from a previous release, it is possible to use the Scanners and Agents from previous releases (7.70 and 9.3x) if you explicitly specify the Scanner and Agent versions using the configuration options on the following pages:
>
> **Administration** > **System Configuration** > **Scanner deployment**
>
> **Administration** > **System Configuration** > **Agent communication**

Obsolete Features

All the features in DDM Inventory 9.31 are supported in DDM Inventory 9.32. For further information, please see the *Compatibility Matrix*.

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

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Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

NOTE: To view files in PDF format (`*.pdf`), Adobe Acrobat Reader must be installed on your system. To download Adobe Acrobat Reader, go to the following web site:
http://www.adobe.com/

The following PDF documents are available in the DDM Inventory Web UI:

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

Installation Notes

Instructions for installing DDM Inventory are documented in the *Installation and Initial Setup Guide* provided in Adobe Acrobat (`.pdf`) format.

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

Software and Hardware Requirements

The following sections detail the requirements for the DDM Inventory server and client components, respectively.

Client Requirements

The DDM Inventory client components (Analysis Workbench, SAI Editor and Viewer) have the following requirements:

Resource	Requirement
Operating System	Windows XP/Vista, Windows Server 2003/2008, Windows 7
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	See **Help** > **Compatibility Matrix** in the DDM Inventory GUI for versioning information

Server Requirements

The DDM Inventory Server can be installed on 32-bit versions of Windows Server 2003 (SP1, SP2), Windows 2003 R2, or Windows Server 2008 (SP1), and the 64-bit version of Windows Server 2008 (SP1 or SP2) or Windows 2008 R2 (SP1). For information about all supported platforms, refer to the *Compatibility Matrix*.

Recommended Server Platforms

For large servers (up to 50,000 devices), the following is recommended:

- HP Proliant Model: DL380 G7
- CPU: 8 Core (Intel® Xeon® 5600 series)
- Memory: 8 GB
- Disk: See the Storage Requirements section below.

For medium servers (up to 15,000 devices), the following is recommended:

- HP Proliant Model: DL380 G7

- CPU: 4 Core(Intel® Xeon® 5600 series)
- Memory: 6 GB
- Disk: See the Storage Requirements section below.

Sample Server Scenarios

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 DDM Inventory installation.

The information presented below is for illustrative purposes only. Proper sizing of the DDM Inventory server(s) may require assistance from a qualified architect. HP recommends utilizing experienced resources to assist in architecture and the initial deployment of DDM Inventory. Among the factors that need to be considered and which will impact the infrastructure architecture are the following:

- Number of and distribution of devices (such as if slow WAN links exist between large population groups)

- Type of and amount of information collected (examples below demonstrate the impact software utilization will have on overall system capacity)

- Frequency of scans (the example below assumes a bi-weekly scan interval, more frequent scanning may require additional server capacity)

- Amount of data collected (the examples below assume an average scan file size of ~250KB, which is representative of an average PC (large servers may generate considerably more data and therefore require additional capacity to process the data)

- Environmental factors, such as integrations with other products, network characteristics, and operational requirements may impact the architecture of the DDM Inventory solution

- The number of XML Enrichers that are running on the server

- The settings in the virus checker installed on the server. Virus checking can add significant overhead.

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	260

Discovered Devices	Inventoried Devices	Ports	Aggregation	Automated Inventory	Topology*	Memory (GB)	CPU**	Disk (GB)
							3.6 GHz	
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	20	2 CPUs or cores 3.6 GHz	200

* DDMI Topology is a network management component of DDM Inventory. It is no longer available for sale to new customers, but still available to existing Topology customers.

** CPU processor speeds are approximate guidelines. Newer CPUs may have lower frequencies but higher performance than those shown in the table. HP DDM Inventory 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 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)
- "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)

Storage Requirements

DDM Inventory is a highly I/O intensive application. High I/O performance of the disks where the data resides is *crucial* to the correct operation of DDM Inventory. Disks need to reside local to the DDM Inventory server or on a high performance SAN. Network drives and clusters are not supported. Some customers have reported problems with SAN environments so they are not recommended.

Benchmark your disk I/O performance prior to installing DDM Inventory for management of any large environment. For a medium to large DDM Inventory server deployment, minimum recommended throughput (as benchmarked on an idle system when the DDM Inventory server is not running) is 70 MB/sec for read accesses and 40MB/sec for write accesses.

Your disk space requirements may differ depending on how you are using DDM Inventory.

> For performance reasons, the disk where DDM Inventory data is stored should have at least 4K clusters.

For the average size of scan files, refer to the "Disk Space Considerations" chapter in *Installation and Initial Setup Guide*. The inventory data collected in the scan file is stored in compressed format. For processing, the

data is extracted and populated into the database. In addition, if delta scanning is enabled, DDM Inventory keeps a copy of the original scan file as well as the enriched copy. Because of these extra disk space requirements, we recommend that you budget at least 5 times as much disk space for each device being scanned.

> If your average scan file size is large, adjust your disk space requirements accordingly.

Recommended Fault Tolerance Configurations

The recommended fault tolerance configurations are the following:

- Raid 1

- Raid 1+0

DDM Inventory must be installed on a local disk. It cannot be installed on network drives, SAN drives, or clustered devices. DDM Inventory has been tested and can be successfully installed in a RAID (redundant array of independent drives) level 0 and 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 as 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 DDM Inventory. For large networks, level 0 can also be used if performance is more important than fault tolerance. RAID level 5 is not supported.

Upgrading from Earlier Releases

For information about upgrading from earlier releases of DDM Inventory refer to the "Upgrade and Migration Scenarios" chapter in the *Installation and Initial Setup Guide*.

Enhancements and Fixes

The following items 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 (identified by error tracking number).

Table 2 – Enhancements

Number	Location	Description
QCCR1C20012	Scanners	The scanners now support FTPS/HTTPS for offsite file storage when running in manual mode. For detailed information, refer to the Scanners chapter of the Reference Guide.
QCCR1C20028	Windows Scanner	By default, the Windows scanner will not scan the %SystemRoot%/Installer/$PatchCache$ folder.
QCCR1C20039	Reports	A new column "Appliance id" is added to the report "Remote Server health".
QCCR1C20388	Scanners	The scanners now compress the temporarily generated files to save disk space.
QCCR1C32395	Discovery Engine	When the agent upgrade is off in the agent profile, DDMI will not update the agent during the call home workflow.
QCCR1C34229	SAI Editor	A new column "Signature" is added to the SAI Search dialog for displaying file signature.
QCCR1C35745	Virtual Discovery	When scanning a VMware ESXi 5 host remotely via the web services API (either using the VMware remote scanner or as part of virtualization discovery) the serial number of the host can now be collected.
QCCR1C36168	Xml Enricher	The hwScanDate field stored in the DDMI server database uses the server local time instead of UTC.
QCCR1H61970	Web UI	The self-signed SSL certificate used to access the Web UI of the DDMI server now has a 2048 bit key. You will need to delete the old certificates to get the new ones generated.
QCCR1H62056	Scanners	The HP Blades can be configured to use the virtual serial numbers. In such cases the virtual serial number will be reported as part of the standard SMBIOS System Information. The scanners were enhanced to collect the real physical serial number of the blade in the hwsmbiosPhysicalAttributeSerialNumber field. The physical UUID is also reported in the hwsmbiosPhysicalAttributeUUID field.
QCCR1H63270	Web UI	A new textbox is added to Diagnosis Ping tool to specify the timeout value of the ping command.

Number	Location	Description
QCCR1H64368	Virtual Discovery	The virtual discovery can select the correct primary IP address for VMware ESX servers.
QCCR1H64876	Windows Scanner	The Windows scanner can collect language information for files as part of the version data.
QCCR1H65536	Virtual Discovery	The virtual discovery supports scanning VMware ESXi 5.0.
QCCR1H66199	Agents	When install and upgrade agent, the call home options configured on DDMI server will be updated onto the device.
QCCR1H69169	Windows Scanner	The Windows scanner can detect Hyper-V virtual machines correctly. The Hyper-V host machine will not be marked as Hyper-V anymore.
	Agent Communication Server	The agent communication server can now run commands via "sesudo". This can be configured in Server > Admin > Discovery Configuration > Deployment Credentials.

Table 3 - Problems Fixed

Number	Location	Description
QCCR1C20024	Reports	In the report of "deactivated device", the Column "Method" is changed to "Last Seen Method".
QCCR1C36060	Windows Scanner	When scanning the 64-bit Windows machines, the relation between the 32-bit packages and their files can be collected correctly.
QCCR1C36325, QCCR1H64006	Windows Scanner	The Windows scanner can distinguish Ethernet adapter from wireless adapter. The Ethernet IP address will take precedence over wireless IP address when setting primary IP
QCCR1H63591	Aggregator UI	When opening the Device Manager of a device in a remote server from the Aggregator UI, the Update Model tools work properly now.
QCCR1H63592	Aggregator UI	The Update Model commands work properly in the Aggregator Find tool.
QCCR1H63984	Web UI	Launching applets will not pop up warning message for version mismatch.
QCCR1H64029	Server	The System Monitor service can run properly without "Java heap space" error.

Number	Location	Description
QCCR1H64030	Web UI	Agent installation files can be downloaded correctly via the web UI.
QCCR1H64062	AIX Scanner	The AIX scanner will not collect patch information anymore. The amount of patch information on AIX varies from machine to machine. If it is huge, processing the scan file will be very time consuming.
QCCR1H64371	Windows Scanner	The Windows scanner can detect the cluster services properly now.
QCCR1H65538	Linux Scanner	The Linux scanner can detect user profiles properly.
QCCR1H66129, QCCR1H67128	Aggregator	Workstation data can be imported into Aggregate database properly now.
QCCR1H66476	Discovery Engine	Devices which support SNMPv2 only can be queried now. User can add SNMPv2 community strings to SNMP profile.
QCCR1H66936	Aggregator	When the rule-based recognition result is imported into Aggregate database, the version ID will not change.
QCCR1H67828	Solaris Scanner	The Solaris scanner can collect the service pack information correctly in Solaris 10 and Solaris 11.
QCCR1H67929	Scanners	The scan file can be successfully saved onto FTP server that is responding slowly
QCCR1H67956	Web UI	The web UI will display proper error messages when the users try to import invalid IP addresses into the DDMI configuration.
QCCR1H68577	Web UI	The UI Shortcuts are working fine now. For details on UI Shortcuts, please refer to the Reference Guide Chapter 9.
QCCR1H69126	Documentation	The **Named** option in the **Select Files to Process** dialog box is described correctly in the Scanner Generator chapter of the Configuration and Customization Guide. For detailed information, navigate to the following location: Scanner Generator > File Scanning Tab > File Information to Store Sub Tab > Including or Excluding Files Based on Directory
QCCR1H69451	Windows Scanner	There will be no pop up message when collecting Device driver data.
QCCR1H69501	Documentation	The difference of viewing software utilization data in the Viewer with Scan Data Viewer is stated in the "Software Utilization Data" chapter of the Scan Data Analysis Guide.

Known Problems, Limitations, and Workarounds

Agents

- When the Agent is installed on Windows Vista machines using an account other than the "Administrator" account, the firewall exception is not added into the exceptions list (QCCR1C382).

- The HP-UX Agent may not work if the system name is longer than eight characters (QCCR1C35093).

Scanners

- In the Scanner Generator if a previously generated file is used to populate the Scanner Generator options and software scanning is disabled, the Scanner will still attempt to store any previously configured custom stored files (QCCR1C19042).

- In some cases an unmanaged device with more than one network card may fail to run the Scanner because of an upload error (QCCR1C32128).

- The DNS field in the scan file that contains the DNS entry for the primary IP may not be detected on some UNIX machines if a DNS server is not configured (QCCR1C32533).

- The Linux scanner may fail and exit when run on SUSE Enterprise Desktop 9 update 4 (QCCR1C32691).

- There is a Container state field mismatch between the scan file and Device Manager (QCCR1C34856).

- The Linux scanner cannot resolve FQDN (fully qualified domain name) when run on Red Hat Enterprise Linux 5 (QCCR1C34774).

- The Windows scanner may fail when the "Packaged File Data" option is enabled (QCCR1C35016).

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 (QCCR1C1275).

- For files in the root directory, the leading slash is missing from the beginning of the UNIX directory structure in AW (QCCR1C1480).

- The Analysis Workbench sample script does not run on Windows 2008 because the default directories are not set correctly. The script works properly on all other supported platforms (QCCR1C19475).

Server Installation

- After uninstalling, the branding registry keys are left over (QCCR1C1434).

- Non-ASCII characters used in data directory path name can cause problems during the installation (QCCR1C16520 and QCCR1C1472).

- When uninstalling DDM Inventory on a small server, the uninstaller may not be able to stop the database. It may take several tries to uninstall the software (QCCR1C2405).

- DDM Inventory with a Network Topology license should not be installed on VMware (QCCR1C5271).

- The SNMP extension registry key may not be removed on some Windows 2008 server installations (QCCR1C29306).

- After a new installation, opening the SAI Editor for the first time may show a warning message (QCCR1C32445).

- If DDM Inventory is upgraded from a previous version, the certificate date may not be updated (QCCR1C32481).

- When installing DDM Inventory on Windows Server 2003 SP2, you may receive a digital signature policy error.

Server

- In some cases, the ID assigned to the `auto.zsai` and the `user.zsai` files may be the same. This results in the inability to load both files into the client tools at the same time (QCCR1C4448).

- Older OpenSSL DLLs in the system PATH can affect the DDM Inventory Apache server and Perl engines (QCCR1C5447).

- 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 `httpdf.conf` file (QCCR1C6670).

- If there is a MySQL query that takes too long, DDM Inventory will not function properly and you may need to restart System Monitor to recover (QCCR1C7409).

- If two or more VMware virtual machines configured on the same host share the same IP address (possible if a virtual network adapter is disabled), VMware discovery may yield incorrect IP address information for a virtual machine. This can happen as VMware discovery does not currently detect whether a network adapter is disabled (QCCR1C19379).

- Sometimes when logging into the DDM Inventory server, a pop-up window opens with the message "Jscript compilation error: Expected '}'". This problem occurs as a result of calling Java Applets from Internet Explorer (this issue does not seem to occur with Firefox). The problem is not specific to DDM Inventory and can be seen on various Web pages where Applets are present. Note that the pop-up window opens with this message only if the "Disable script debugging" option is enabled. Otherwise, if this option is enabled, only a warning icon (yellow triangle containing an exclamation mark) will appear on the left-side of the Internet Explorer taskbar when this problem occurs. This problem has occurred on both Internet Explorer version 6 and version 7 (QCCR1C19591).

- If a non administrative user logs into the Windows server, an error indicating that the `syspanel.log` file cannot be created may occur (QCCR1C20437).

- If agent and agentless scanning is enabled for a property group, in some cases installing and then uninstalling an agent may result in DDM Inventory not recognizing that a device has an agent on it (QCCR1C29364).

System Panel

- When there are multiple instances of the DDM Inventory System Panel running on the Server, only one of the System Panel instances will display Port Usage information (QCCR1C20409).

Web User Interface

- After an agentless scan (using SSH) has successfully been run, the account used for this connection cannot be changed unless the account from the DDM Inventory UI is deleted (QCCR1C19398).

- The hyperlink (5th token) in the breadcrumb is missing for some reports (QCCR1C35014).

Applets

- When upgrading, the applet may not recognize a new license until the server has been restarted (QCCR1C32483).

Administration

- Depending on the licenses, the "Resource/ Environment manage" option in Discovery Configuration may not have any effect (QCCR1C7034).
- In the Service Analyzer, device breaks may show up in the filter list for line breaks (QCCR1C18988).
- If the recognition type is set to Installed Applications, the `auto.zsai` file will not be created automatically (QCCR1C30353).

Web Asset Questionnaire

- 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, and not that of the remote computer address (QCCR1C764).
- The UI may show non-printable characters in text fields (QCCR1C2408).

Internationalization

- 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 (QCCR1C416).
- 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 (QCCR1C490).
- There are several problems with the SAI Editor accepting characters in the Korean code page (QCCR1C507, QCCR1C508).
- The statistics graphs do not use the language options configured in the operation system and will always format the dates in English (QCCR1C2043).
- SAI files with non-English names may appear incorrect when viewing them with the DDM Inventory web user interface (QCCR1C19372).
- If the name of a User zSAI file contains non-English characters, the XML Enricher may not be able to load that zSAI file (QCCR1C19402).
- Recognition rules written in non-English characters may not recognize all versions (QCCR1C19610).
- Some non-English locales may not report the total disk space correctly in some cases (QCCR1C19614).