
HP Database and Middleware Automation

for the Red Hat Enterprise Linux operating system

Release Notes

Software version: 10.00 / December 2012

This document provides an overview of the changes made to HP Database and Middleware Automation (HP DMA) for the 10.00 release. It contains important information not included in the manuals or in online help.

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In This Version

The following new features were added to the HP DMA version 10.00 platform:

New Server Automation Integration and Broader SA Version Support

HP DMA's integration with HP Server Automation (SA) has been re-architected. HP DMA now uses an independent database, takes advantage of SA APX technology, and interacts differently with the SA agent. The new integration allows HP DMA to support SA 9.0x as well as SA 9.1x architectures.

Compliance Reports

Two new reports are provided with the Database Compliance solution pack (version 9.15 or later). The Database Compliance report shows you the number of compliance checks that passed and failed for each database instance in the environment that was audited. The Database Compliance Detail report shows you the result of each check performed for a specific database instance.

Security Enhancements

HP DMA has multiple security enhancements, including dynamic and encrypted token identification between the targets and the HP DMA server. HP DMA is now even more resilient against security threats. HP DMA now also supports Windows® targets where the Administrator account has been renamed.

Masked Passwords

In the HP DMA UI, the values of parameters whose names contain the string "password" are now masked in steps, custom fields, and deployments. They are also masked on the Run page.

History of a Single Day

You can now view the workflow execution history for a particular day.

Scalability and Performance Improvements

The HP DMA server and client now include a number of new tuning options. These options enable you to optimize HP DMA server performance and tune client/server communication to meet the specific needs of your environment. HP DMA can now be implemented in load-balancer configurations.

HP DMA Solution Packs

The HP DMA version 10.00 solution packs are included on the installation DVD. This includes the following solution packs:

| DVD Directory Name | Solution Packs |
|------------------------------------|--|
| DMA_10.0_Database_Solution_Packs | Database Compliance Database Provisioning Advanced Database Provisioning Database Patching Advanced Database Patching Database Release Management Database Refresh |
| DMA_10.0_Middleware_Solution_Packs | Application Server Provisioning Application Server Patching Application Server Release Management |
| DMA_10.0_Server_and_Client | Discovery |

- ▶ The Database and Middleware solution packs are licensed separately. To use the workflows in either solution pack, you must purchase a license for that solution pack.
- ▶ The Discovery solution pack is not automatically installed when the HP DMA server is installed. You must import it manually, as you would any other solution pack. See the *HP DMA Installation Guide* for instructions.
- ▶ The HP DMA version 10.00 solution packs have new names. For example:
HP DMA Database Compliance Solution Pack

Backward Compatibility

All currently supported HP DMA solution packs run on the HP DMA 10.00 platform. If you currently use customized workflows or steps, be sure to first import the HP DMA 10.00 solution packs, and then apply your customizations to copies of the pertinent workflows and steps.

New Workflows

The following workflows have been replaced by more capable workflows:

| Old Workflows | New Workflows | Comments |
|---|---|--|
| Patch Grid Standalone | Apply Oracle GRID Standalone Patch and Apply Database Patch | The new workflow applies a PSU patch to an Oracle® Grid home and, optionally, also patches the database. For more information, see the <i>HP DMA Advanced Database Patching User Guide</i> . |
| Provision WebLogic 11g Software Provision WebLogic 11g Domain and Admin Server Provision WebLogic 11g Managed Servers Provision WebLogic 11g Cluster | Provision WebLogic Software Provision WebLogic Domain and Admin Server Provision WebLogic Managed Servers Provision WebLogic Cluster | The new workflows work with WebLogic 11g or 12c. For detailed information, see the <i>HP DMA Oracle WebLogic Provisioning User Guide</i> . |
| Patch WebLogic 11g Domain | Patch WebLogic Domain | The new workflow works with WebLogic11g or 12c. For detailed information, see the <i>HP DMA Oracle WebLogic Patching User Guide</i> . |
| Check Oracle Compliance Check SQL Server Compliance Check Sybase Compliance | Run Oracle Compliance Audit Run MS SQL Compliance Audit Run Sybase Compliance Audit | The compliance workflows were renamed in the HP DMA version 9.15 solution pack release. They are now capable of performing audits against three different security benchmarks (CIS, PCI, and Sarbanes-Oxley). Two types of compliance reports are now available. For detailed information, see the <i>HP DMA Database Compliance User Guide</i> . |



See the pertinent solution pack User Guide for information about required and optional parameters for these new workflows.

Platform Requirements

The HP DMA version 10.00 platform requires Red Hat Enterprise Linux version 6.1, 64-bit.

See the *HP DMA Installation Guide* for additional information, including sizing requirements.

Supported Browsers for HP DMA

- Chrome
- Firefox
- Microsoft® Internet Explorer 8 or 9

Supported HP DMA Target Platforms

Servers running the following operating systems can be used as HP DMA targets:

| Operating System | Architecture | Version |
|------------------|----------------------|---|
| AIX | POWER | AIX 6.1 |
| HP-UX | Itanium 2 | HP-UX 11iv3 (11.31) |
| Linux | x86 32-bit or 64-bit | Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 SUSE Enterprise Linux Server 11 Oracle Linux 5 Oracle Linux 6 |
| Solaris | SPARC | SunOS 5.10 (Solaris 10) Solaris 11 |
| Windows | x86 64-bit only | Windows Server 2008 R2 |



For details regarding the operating systems and versions supported by each individual workflow, see the *HP Database and Middleware Automation Solution Packs Support Matrix version 10.00*.

This document is available on the HP Software Product Manuals web site:

<http://h20230.www2.hp.com/selfsolve/manuals>

See [Documentation Updates](#) for information about accessing this web site.

Installation Notes

Installation requirements and instructions for installing HP DMA 10.00 are documented in the *HP Database and Middleware Automation Installation Guide*. The document file is included on the HP DMA DVD as:

DMA_10.0_Documentation/DMA_Server_10.0_Installation_Guide.pdf

Fixed Issues

To display details about each software fix, click the Change Request number link to go to the HP Software Online Support web site. The first time you click a link, you must enter your HP passport information (see [Support](#)).

| Change Request | Area | Description |
|----------------------------|---|--|
| QCCR1D150785 | Database Provisioning Solution Pack | Provision Grid for Standalone Server steps not using StepLog Info/Debug/Error Message |
| QCCR1D154377, QCCR1D154746 | All Solution Packs that use master workflows | The master workflow now correctly fails when a sub-flow fails. Previously, for example, the Provision One Node RAC workflow reported success even when the Provision an Oracle Database sub-flow failed. |
| QCCR1D154753 | Platform | The positioning of the pie chart on the Database Compliance report now works correctly whether or not filtering is used. |
| QCCR1D155231 | Platform | The Run Report button for the Database Compliance report is now disabled until an organization is selected. |
| QCCR1D155257 | Discovery Solution Pack | The Discovery workflow now correctly ignores systems where the Sybase SMP engine installed. |
| QCCR1D155449 | Platform | Masked password values are now displayed consistently as “●●●” throughout the HP DMA web interface. |
| QCCR1D155493 | Database Patching Solution Pack | In the Rollback CPU from Home workflow, the Patch Download Location and Patch Information File parameters are now exposed by default and can be specified in the deployment. |
| QCCR1D155500 | Application Server Provisioning Solution Pack | The Provision WebLogic Software workflow now supports Red Hat Enterprise Linux version 6.1. |
| QCCR1D155569 | All Solution Packs | On Solaris machines, all processes are now correctly detected by oostools.get_proc_info. |
| QCCR1D155598 | Platform | You can now successfully switch from the Database Compliance report to the Database Compliance Details report by using the Details button. |
| QCCR1D156234 | Application Server Provisioning Solution Pack | In the Increase WebLogic Domain Span workflow, the Start WebLogic Cluster step successfully starts the server on SUSE Linux systems. |
| QCCR1D156276 | Database Provisioning Solution Pack | In the Register Sybase SySAM License workflow, the Register ASE 15 SySAM License step now correctly uses the fully qualified host name when searching for external servers. |
| QCCR1D156337 | Platform | The History page no longer allows you to specify a date that is in the future. |
| QCCR1D156351 | Database Provisioning Solution Pack | A new advanced parameter called “Always Restart” was added to the MS SQL Install Standalone SQL Instance workflow. The Check for Pending Reboot step will force a restart if this parameter is set to “YES”. |

| Change Request | Area | Description |
|----------------|---|--|
| QCCR1D156508 | Platform | Smart Groups now ignore organization permissions for users who have Administrator capability. |
| QCCR1D156549 | Platform | You can now sort the Database Compliance Details report by any column. |
| QCCR1D156623 | Platform | If you click on the pie chart in the Database Compliance report, no error occurs. |
| QCCR1D156664 | Application Server Patching Solution Pack | In the Patch WebLogic Domain workflow, the Gather WebLogic Environment Data step now correctly finds all pertinent application servers. |
| QCCR1D156665 | Platform | Password policy attribute values are now correctly displayed as empty if they have no value. |
| QCCR1D156725 | Platform | Selecting New Custom Field on the Environment Dashboard now sets the appropriate object type (organization, server, instance, or database) for the new custom field. |

Known Problems, Limitations, and Workarounds

| Change Request | Description | Workaround |
|----------------|---|---|
| QCCR1D149712 | Internet Explorer 8 reports the following error when you copy a workflow: Stop running this script A script on this page is causing IE to run slowly. If it continues to run, your computer might become unresponsive. | Use a different supported browser. |
| QCCR1D156805 | For 11.2 NAS customers, Oracle has the option to enable Direct NFS (DNFS) in their code. This allows Oracle to communicate to the NAS device directly and bypass the O/S layer, resulting in a significant performance improvement. The step to enable this is currently to symlink one relocatable object library in place of another. | To enable DNFS: <pre>cd \$ORACLE_HOME/lib mv libodm11.so libodm11.so_bak ln -s libnfsodm11.so libodm11.so or make -f ins_rdbms.mk dnfs_on</pre> |
| QCCR1D156609 | There are two issues with the <code>gunzip_and_extract_tgz</code> method in the Import OSTools function: The method only supports files with the <code>.tgz</code> extension (not the <code>.tar.gz</code> extension). The method should not assume that Solaris has <code>/usr/sfw/bin/gtar</code> . The previously defined <pre>gunzip -c <file> tar -x</pre> command probably has better compatibility. | Rename the <code>.tar.gz</code> file to use the <code>.tgz</code> extension instead. On Solaris, install the GNU tools version of <code>tar</code> into <code>/usr/sfw/bin/gtar</code> . |

| Change Request | Description | Workaround |
|----------------|--|------------|
| QCCR1D156804 | <p>Oracle SQL*Net configuration typically requires site-specific customization of the <code>sqlnet.ora</code> and <code>ldap.ora</code> files. Without that customization, the Oracle software cannot connect to remote instances.</p> <p>The Provision Oracle Software workflow should have an option to specify a site-specific <code>sqlnet.ora</code> and <code>ldap.ora</code> file in <code>\$ORACLE_HOME/network/admin</code> when the software is provisioned.</p> | None |

Support

You can visit the HP Software support web site at:

www.hp.com/go/hpsoftwaresupport

This web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract. To find more information about support access levels, go to the following URL:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to the following URL:

<http://h20229.www2.hp.com/passport-registration.html>

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.

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>

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

<http://h20229.www2.hp.com/passport-registration.html>

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