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# HP Database and Middleware Automation

for the Red Hat Enterprise Linux operating system

## Release Notes

Software version: 10.10 / June 2013

This document provides an overview of the changes made to HP Database and Middleware Automation (HP DMA) for the 10.10 release. It contains the following important information not included in the manuals.

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## In This Version

The following new features were added to the HP DMA version 10.10 platform and solution packs:

### Integration with HP Operations Orchestrations

A new wizard is available to create HP Operations Orchestrations (HP OO) flows to connect to an HP DMA server and execute deployments. The new HP OO Content Pack includes HP OO flows that demonstrate how to use HP DMA's API with HP OO. The content pack also includes a set of operations and workflows to simplify the development of typical HP DMA tasks such as adding a server, querying the HP DMA repository, and more.

The new HP DMA wizard for HP OO, the DMA Content Pack, and the *HP DMA Integration Guide for HP Operations Orchestration* can be downloaded from HP Live Network:

<https://hpln.hp.com/group/database-and-middleware-automation>

To access the documentation, click the **Resources** link and enter your HP Passport credentials.

### Improved History Page

The History Page has been redesigned. The new History Page allows the DMA user to filter workflow execution history based on additional criteria and for a specific period of time. The new history browser uses a paging concept that improves scalability and performance. It also has a new and improved look and feel.

## IBM DB2

HP DMA added workflows to provision, upgrade, and patch IBM DB2 databases. The new workflows have been added to the appropriate solutions packs. See the *HP DMA Solution Packs Support Matrix* for additional information. This document is available at the following web site:

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

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

## MS SQL Server 2012 and Windows 2012

HP DMA MS SQL Server workflows now support MS SQL Server 2012 and Windows 2012. See the *HP DMA Solution Packs Support Matrix* for additional information. This document is available at the following web site:

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

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

## WebSphere 8 Web Tier Provisioning and Configuration

HP DMA added a new workflow to provision and configure IBM HTTP Server version 8 and WebSphere plug-in. The workflow can be found in the Application Server Provisioning solution pack.

## Improved Handling of Passwords

HP DMA now offers a new parameter type: Password. If a parameter is of type password, the content of the parameter will be masked in the user interface. Running the HP DMA baseline tool during the upgrade process will update the existing parameters in the HP DMA Server automatically. See the *HP DMA Installation Guide* for details on upgrading HP DMA. This document is available at the following web site:

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

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

## HP DMA Can Now Tunnel Traffic through HP Server Automation Gateway

HP DMA and HP SA can now be configured to route all communication between the HP DMA client and the HP DMA server through the HP SA Gateway. This eliminates the need for additional open ports in firewalls for HP DMA and allows setting up redundant routing paths to increase the resilience of HP DMA regarding network problems. See the *HP DMA Installation Guide* for more information. This document is available at the following web site:

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

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

## Known Problems when Proxy Server or HP SA Gateway Are Configured:

The following workflows do not function in environments where the HP DMA client is configured to communicate with the HP DMA server via a proxy server or an HP SA Gateway:

- In the Database Provisioning solution pack:
  - DeployMSSQL2008R2Cluster
  - DeploySybaseASE15SMPServer
- In the Advanced Database Provisioning solution pack:
  - ProvisionDataguardOneNodeRAC
  - ProvisionOneNodeRAC
- In the Application Server Provisioning solution pack:
  - AddWebSphere7NodeToExistingCell
  - ProvisionHTTPServerandWebSphere7StandAloneProfile
  - ProvisionIBMHTTPServerandWebSphere7TwoNodeCell



Always check to see if there are more recent versions of the HP DMA solution packs available online. They are available at the following web site:

<http://www.hp.com/go/hpssoftwaresupport>

## Installation Notes

Installation requirements and instructions for installing HP DMA 10.10 are documented in the *HP DMA Installation Guide*. The document file is included on the HP DMA DVD as:

DMA\_10.10\_Documentation/DMA\_10.10\_Installation\_Guide.pdf

## Platform Requirements

The HP DMA version 10.10 server requires Red Hat Enterprise Linux version 5.8 or 6.1 (or later), 64-bit. See the *HP DMA Installation Guide* for additional information, including sizing requirements. This document is available at the following web site:

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

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

## Supported Browsers for HP DMA

The HP DMA web UI supports the following browsers: Chrome, Firefox, and Internet Explorer 8 or 9.

## Supported HP DMA Target Platforms

For details regarding the operating systems and versions supported by each HP DMA workflow, see the *HP DMA Solution Packs Support Matrix*. This document is available at the following web site:

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

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

## HP DMA Solution Packs

The HP DMA version 10.10 solution packs are included on the installation media. This includes the following solution packs:

DVD Directory Name	Solution Packs
DMA_10.10_Database_Solution_Packs	Database Compliance Database Provisioning Advanced Database Provisioning Database Patching Advanced Database Patching Database Release Management Database Refresh
DMA_10.10_Middleware_Solution_Packs	Application Server Provisioning Application Server Patching Application Server Configuration Management Application Server Release Management
DMA_10.10_Server_and_Client	Discovery



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 Quick Start Tutorial* for instructions. This document is available at the following web site:

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

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

## Backward Compatibility

HP DMA solution packs prior to version 10.10 will not run on the HP DMA 10.10 platform. You need to import the 10.10 version.



If you currently use customized workflows or steps, be sure to first import the HP DMA 10.10 solution packs, and then apply your customizations to copies of the pertinent workflows and steps.

## Fixed Issues

To display details about each software fix, click the Change Request's link in the table 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
<a href="#">QCCR1D154398</a>	REST API	HP DMA has a new REST API method for running workflows that have step and/or parameter names that contain certain non-alphanumeric characters such as colon (:) and forward slash (/).
<a href="#">QCCR1D160312</a>	Discovery	Oracle Discovery no longer hangs because <code>sudo</code> did not correctly ignore a TTY connection. You will now correctly receive an error message that the TTY requirement is still set.
<a href="#">QCCR1D160778</a>	WebSphere 8 Provisioning	HP DMA now checks prerequisites for Red Hat Enterprise Linux 64- bits: The server needs to have both 32- and 64-bit package libraries installed.
<a href="#">QCCR1D160779</a>	WebSphere 8 Provisioning	The steps OS Prerequisite Check for WebSphere 8 and OS Prerequisite Check for IHS 8 now correctly check for the minimum required library versions.
<a href="#">QCCR1D160787</a>	WebSphere 8 Patching	The Patch WebSphere 8 StandAlone workflow now verifies that the application server is running before stopping it.
<a href="#">QCCR1D160788</a>	WebSphere 8 Patching	The Patch WebSphere 8 StandAlone workflow now performs the validation checks before it stops the application server. If the validation fails, the server will not be stopped.
<a href="#">QCCR1D162091</a>	MS SQL Patching	The MS SQL Install Patch workflow no longer fails when killing SPIDs that are no longer active; it gives an error message instead.
<a href="#">QCCR1D166153</a>	Trusted Certificates	DMA now has a customer visible document for setting up and configuring trusted certificates: <i>HP DMA Installation Guide</i> , available at the following web site: <a href="http://h20230.www2.hp.com/selfsolve/manuals">http://h20230.www2.hp.com/selfsolve/manuals</a>
<a href="#">QCCR1D166270</a>	WEST APX	Valid DMA users can execute HP DMA workflows even if their home directories are removed from the SA Core that connects to the DMA Server.
<a href="#">QCCR1D166788</a>	WebLogic Provisioning	The Provision WebLogic Software workflow now correctly installs WebLogic using 32-bit JDK as well as a 64-bit JDK.
<a href="#">QCCR1D166807</a>	Sybase Run Workflow	Sybase Run Workflow now works correctly in a proxy environment.
<a href="#">QCCR1D 166977</a>	Oracle Patching	The Apply Oracle GRID Standalone Patch and Apply Database Patch workflow will now succeed when performing standalone grid patching without Database patching if no 'CPU Archive' parameter is specified.

## Enhancements

To display details about each software enhancement, click the Change Request's link in the table 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](#)).

<b>Change Request</b>	<b>Area</b>	<b>Description</b>
<a href="#">QCCR1D152480</a>	History Page	The history page was redesigned to allow customized filtering and retrieval of all requested workflow execution history.
<a href="#">QCCR1D153764</a>	Smart Groups	Smart Groups now have custom field operators 'Is Empty' and 'Is Not Empty.'
<a href="#">QCCR1D156542</a>	Oracle Patching	The Apply Oracle GRID Standalone Patch and Apply Database Patch workflow now provides additional metadata information about a patch or rollback.
<a href="#">QCCR1D160666</a>	Oracle Patching	The Apply Critical Patch Update to Database workflow now checks if the database is down and the 'Startup Instance' parameter is not set to True. If so, the workflow fails at the validation step without executing subsequent steps.
<a href="#">QCCR1D163659</a>	Server Automation Satellite proxy	The DMA user can now specify the Server Automation Realm that contains the DMA Server so that the SA Gateway network can be used as a proxy environment.

## Support

You can visit the HP Software support web site at:

**<http://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](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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