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# HP Database and Middleware Automation Solution Packs

for Linux, Solaris, AIX, and Windows® operating systems

## Release Notes

Software version: 9.13

This document provides an overview of the changes made to the HP Database and Middleware Automation Solution packs. It contains important information not included in the manuals or in online help.

### [In This Version](#)

[Platform Requirements](#)

[Documentation Updates](#)

[Installation Notes](#)

[Enhancements and Fixes](#)

[Support](#)

[Legal Notices](#)

## In This Version

The HP Database and Middleware Automation version 9.13 Solution Packs (HP DMA SP 9.13) release is an upgrade to HP DMA SP 9.12. This release includes enhancements for existing workflows, such as support for recent releases of databases and application servers.


The HP DMA SP 9.13 solution packs include code fixes, new functionality, and support for new products and operating systems. Highlights include support for:


- RedHat JBoss 5.1.1 and JBoss Community Edition 7
- Oracle® 11.2.0.3
- Red Hat Enterprise Linux 6
- SUSE Linux Enterprise 11

Each HP DMA SP 9.13 upgrade is a separate patch available on HP Self-Solve Online (SSO):

<b>Solution Pack Name</b>	<b>Patch Name</b>
Database Advanced Patching	DBMASP_00021
Database Patching	DBMASP_00022
Database Advanced Provisioning	DBMASP_00023
Database Provisioning	DBMASP_00024
Database Release Management	DBMASP_00025
Database Compliance	DBMASP_00026
Application Server Patching	DBMASP_00027
Application Server Provisioning	DBMASP_00028

Solution Pack Name	Patch Name
Application Server Release Management	DBMASP_00029
Discovery	DBMASP_00030


 All HP DMA solution packs must run at the same release level. Be sure to upgrade all your HP DMA solution packs to HP DMA SP 9.13 at the same time.

 Before you perform the upgrade from an earlier product version, be sure to thoroughly read these Release Notes to ensure a successful upgrade.

## Platform Requirements

HP DMA SP 9.13 requires one of the following platforms:

Platform	Instructions
HP Server Automation 9.11 (HP SA 9.11) with DMA 9.11Hotfix_1	The HP DMA SP 9.13 workflows require fixes provided in DMA 9.11Hotfix_1 to function correctly. Contact HP support to obtain this hot fix prior to installing HP DMA SP 9.13.
HP DMA 1.00 (Data Palette) release 6.0.17	The HP DMA SP 9.13 workflows require fixes provided in the following platform updates: <ul style="list-style-type: none"> <li>• HP DMA ExpertEngine/WebServer 6.0.17</li> <li>• HP DMA Collector 6.0.17</li> </ul> Download and install these platform updates prior to installing HP DMA SP 9.13. The required Patch IDs are: <ul style="list-style-type: none"> <li>• Combined HP DMA ExpertEngine/WebServer 6.0.17 and HP DMA Collector 6.0.17 patch: <ul style="list-style-type: none"> <li>— DBMA_00005 (Windows Server)</li> <li>— DBMA_00006 (Linux Server)</li> <li>— DBMA_00007 (Solaris Server)</li> </ul> </li> <li>• HP DMA Collector 6.0.17 (only) patch: <ul style="list-style-type: none"> <li>— DBMA_00008 (all operating systems)</li> </ul> </li> </ul>

 For supported operating systems and versions, see the *HP Database and Middleware Automation Solution Packs version 9.13 Support Matrix* at <http://h20230.www2.hp.com/selfsolve/manuals>.

## 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>**

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

## Installation Notes

Be sure to review all instructions and the *Hewlett-Packard SupportLine User Guide* or your Hewlett-Packard support terms and conditions for precautions, scope of license, restrictions, and, limitation of liability and warranties, before installing this patch.



Always back up your HP DMA system before installing a patch.



HP DMA SP 9.13 requires HP Server Automation 9.11 (SA 9.11) and DMA 9.11Hotfix\_1, or HP DMA 1.00 (Data Palette) release 6.0.17.

HP SA Customers: Contact HP support to obtain the DMA 9.11Hotfix\_1 prior to installing HP DMA SP 9.13. The HP DMA SP 9.13 workflows require fixes provided in this hot fix to function correctly. See the [Platform Requirements](#) on page 2 for details.

The process of upgrading an HP DMA Solution Pack consists of two steps: removing the old solution pack, and installing the new solution pack. Instructions for both steps are included in the following procedure.

To upgrade an HP DMA solution pack:

- 1 Download the ZIP file for the solution pack that you want to install (see the list of ZIP file names under In This Version on page 1).
- 2 On the system where you downloaded the solution pack ZIP file, go to:
- 3 `http://<HP_SA_CoreServer>/dma/login`
- 4 Log in to HP DMA using an account with administrator privileges.
- 5 Go to the Solutions → Installed page.
- 6 If an earlier version of this solution pack is installed on this SA Core, follow these steps to remove it:
  - a In the Solution Packs pane, select the solution pack.
  - b Click the DELETE link in the lower left corner.
  - c Click the DELETE button to confirm the delete.

- 7 Still on the Solutions → Installed page, click the Browse button in the lower right corner. The Choose File dialog opens.
- 8 Select the ZIP file that you downloaded in step 1, and click Open.

## Enhancements and Fixes

The following tables list the [Fixes](#) and [Enhancements](#) that are available in this release.

### Fixes

The following items are fixed in HP DMA SP 9.13:

Change Request	Description
QCCR1D130155	HP DMA could not install Oracle 11g R2 on a Solaris sparse-root zone.
QCCR1D135889	HP DMA did not allow the user to specify the location of system databases.
QCCR1D136319	HP DMA did not allow MS SQL binaries to download from HP SA.
QCCR1D138468	HP DMA did not allow the user to specify the location where files will be extracted.
QCCR1D138469	HP DMA did not allow the user to specify the location of the Oracle patch binaries to use.
QCCR1D138998	HP DMA Oracle SQL Release Management workflow would hang if the database was not in archive mode.
QCCR1D139921	HP DMA would hang when a user-defined response file was used.
QCCR1D141523	HP DMA did not handle MS SQL Server 2008 cumulative patches correctly.
QCCR1D142247	HP DMA did not allow for the patching of multiple database instances at the same time or during a single workflow run.
QCCR1D142268	The Check System Grant step (for Microsoft® SQL Server) did not properly handle extra whitespace.
QCCR1D142367	The Check System Grant step did not ignore GRANT statements with the keyword “ON” or query for database-level roles in addition to instance-level roles.
QCCR1D142812	HP DMA incorrectly defaulted to use <code>sudo</code> on AIX.
QCCR1D142815	HP DMA identified the GRID user as the Oracle account instead of the Oracle user.
QCCR1D143095	The Fetch RAC Information step failed on Oracle 11.2.0.3 CRS.
QCCR1D143591	In the Oracle SQL Release Management workflow, if the Download Software step failed to properly download the <code>sql</code> file, the workflow continued to execute instead of failing.

## Enhancements

The following enhancements are available in HP DMA SP 9.13:

<b>Solution Pack</b>	<b>Workflow</b>	<b>Added in Version</b>	<b>Enhancement</b>
Advanced Database Patching	Oracle Apply Critical Patch Update to Database	9.12	Ensures downloading of patch information file when provided so that updated patch information for quarterly patches can be successfully obtained when provided.
Advanced Database Patching	Oracle Apply Oracle Patchset	9.12	Corrected to allow Oracle Base to be specified instead of hard-coded; corrected setting of response file when absolute path is provided.
Advanced Database Patching	Oracle Rollback Critical Patch Update from Database	9.12	Corrected issue for Solaris, AIX, and HP-UX by using the newer method for gathering patch information and no longer parsing README files.
Application Server Patching	All	9.12	This patch includes minor code changes to increase the resilience of the workflows to operating system and application server configuration specifics. The actual workflows are unchanged, but functions called by the workflows have been re-factored.
Application Server Provisioning	JBoss workflows	9.12	Provision JBoss 5.1.1 Enterprise Application Platform and Enterprise Web Platform with a default profile on Red Hat Enterprise Linux 5.x and 6.x, Windows 2008 R2, and Solaris SPARC 10.
Application Server Provisioning	WebSphere workflows	9.12	Provision WebSphere Application Server 8 and create either Deployment Manager, Custom Node or StandAlone profile on Red HEL 5.x and 6.x, Windows 2008 R2, Solaris Sparc 10, AIX 6.1, and SUSE Enterprise Linux Server 11. Create StandAlone and Custom Node profiles on an existing installation of WebSphere Application Server v8 on Red Hat Enterprise Linux 5.x and 6.x, Windows 2008 R2, Solaris SPARC 10, AIX 6.1, and SUSE Linux Enterprise Server 11.

<b>Solution Pack</b>	<b>Workflow</b>	<b>Added in Version</b>	<b>Enhancement</b>
Database Patching	Microsoft SQL Server workflows	9.12	All workflows updated. Added “Advanced Parameters” step to Install Patch workflow to hide optional parameters on the Deployment screen. Rollback Patch workflow now checks for pending reboot (and reboots if needed) before attempting to rollback the patch. Added support for SQL Server 2008 R2 patch install and rollback. “Install Patch” workflow can download a patch file from the SA Core if it does not exist on the local disk. Summary and Detail log files from patch install will be displayed after patch attempt. Patch file will be checked to ensure that the target instance has the required Service Pack installed in order to patch.
Database Patching	Sybase ASE workflows	9.11	Added Apply Sybase Stand Alone EBF Patch workflow. Introduced version parameter to be able to incorporate multi-version support for patching. Introduced “Sybase- Advanced parameters Standalone patching” step to hide optional parameters on the Deployment screen and set defaults based on the ASE version input. Introduced default configurations for ASE 15.0.3 and ASE 15.5. Added patching for ASE version 15.5 (already supported ASE version 15.0.3) for file system & raw device partitions. Created new workflow documentation, step documentation, and parameter descriptions.
Database Provisioning	All		This solution pack now supports SUSE Enterprise Linux 11 and Oracle Linux 5.3 for Oracle 11g version 11.2.0.1, 11.2.0.2 and 11.2.0.3.
Database Provisioning	All	9.13	Shared functions have changed, and a new version of the solution pack is released to ensure compatibility with other 9.13 solution packs.
Database Provisioning	DB Refresh workflows	9.12	This solution pack provides a collection of new workflows that you can use to extract data from a source database and load data into a new or existing target database. The workflows manage the process from end-to-end, effectively copying all data from the source to the target database; for example, from a production database to a test database.
Database Provisioning	DB Refresh workflows	9.13	Workflow documentation has been added to the DB Refresh workflows.
Database Provisioning	Oracle Upgrade Oracle Database	9.12	Corrects missing function import.

<b>Solution Pack</b>	<b>Workflow</b>	<b>Added in Version</b>	<b>Enhancement</b>
Database Provisioning	Provision Oracle Grid Infrastructure for Standalone Server	9.13	This solution pack provides a new workflow to provision an Oracle GRID infrastructure for a standalone server.
Database Release Management	Oracle SQL Release	9.12	The re-factored Oracle SQL Release workflow provides users the ability to deploy and execute SQL scripts on a desired target database. Whenever the SQL scripts are deployed, the workflow automatically generates a rollback script that can be used to undo all committed changes with regard to the deployed script. The rollback script can then be executed in an automated fashion whenever an error is detected or manually at a later time. The generated rollback SQL file can also serve as an audit file for future use, which records all SQL transactions performed by the SQL script.
Discovery	All	9.12	This solution pack now supports SUSE Linux Enterprise Server 11 and Oracle Linux 5.3 for Oracle 11g version 11.2.0.1, 11.2.0.2 and 11.2.0.3.

## Support

You can visit the HP Software support web site at:

**[www.hp.com/go/hpsoftwaresupport](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>**

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