
HP Database and Middleware Automation Solution Packs

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

Release Notes

Software version: 9.15

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

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In This Version

The HP Database and Middleware Automation version 9.15 Solution Packs (HP DMA SP 9.15) release is an upgrade to HP DMA SP 9.14. This release includes code fixes and enhancements to existing workflows, such as support for recent releases of databases and application servers. Highlights include support for:

- IBM WebSphere Application Server version 8
- Oracle WebLogic Application Server versions 11g and 12c
- Sybase Adaptive Server Enterprise (Sybase ASE) EBF/ESD patching
- Compliance audits for three security benchmarks: CIS, PCI, and SOX
- Integrated compliance reports – summary and detailed
- Additional patching capabilities for Oracle Grid

Each HP DMA SP 9.15 upgrade is a separate patch available on HP Self-Solve Online (SSO):

Database Advanced Patching Solution Pack

Patch Name: DBMASP DB Adv Patch 9.15
Patch File Name: DBMASP_00041.zip
SP Import File: AdvancedDBPatching_v9_15_ALL.zip

Database Patching Solution Pack

Patch Name: DBMASP DB Patch 9.15
Patch File Name: DBMASP_00042.zip
SP Import File: DBPatching_v9_15_ALL.zip

Database Advanced Provisioning Solution Pack

Patch Name: DBMASP DB Adv Prov 9.15
Patch File Name: DBMASP_00043.zip
SP Import File: AdvancedDBProvisioning_v9_15_ALL.zip

Database Provisioning Solution Pack

Patch Name: DBMASP DB Prov 9.15
Patch File Name: DBMASP_00044.zip
SP Import Files: DBProvisioning_v9_15_ALL.zip
DBRefresh_v9_15_ALL.zip

Database Release Management Solution Pack

Patch Name: DBMASP DB RelMgmt 9.15
Patch File Name: DBMASP_00045.zip
SP Import Files: DBReleaseManagement_v9_15_ALL.zip

Database Compliance Solution Pack

Patch Name: DBMASP DB Compl 9.15
Patch File Name: DBMASP_00046.zip
SP Import File: DBCompliance_v9_15_ALL.zip

Application Server Patching Solution Pack

Patch Name: DBMASP AS Patch 9.15
Patch File Name: DBMASP_00047.zip
SP Import File: ASPatching_v9_15_ALL.zip

Application Server Provisioning Solution Pack

Patch Name: DBMASP AS Prov 9.15
Patch File Name: DBMASP_00048.zip
SP Import Files: ASProvisioning_v9_15_ALL.zip

Application Server Release Management Solution Pack

Patch Name: DBMASP AS RelMgmt 9.15
Patch File Name: DBMASP_00049.zip
SP Import File: ASReleaseManagement_v9_15_ALL.zip

Discovery Solution Pack

Patch Name: DBMASP Discovery 9.15
Patch File Name: DBMASP_00050.zip
SP Import File: Discovery_v9_15_ALL.zip



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 9.15 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 9.15 requires one of the following platforms:

Platform	Instructions
HP Server Automation 9.11 (HP SA 9.11) with DMA 9.11Hotfix_4	The HP DMA SP 9.15 workflows require fixes provided in DMA 9.11Hotfix_4 to function correctly.
HP Server Automation 9.13 (HP SA 9.13) with DMA 9.13Hotfix_2	The HP DMA SP 9.15 workflows require fixes provided in DMA 9.13Hotfix_2 to function correctly.



HP SA 9.11 and 9.13 customers: Contact HP Software Support to obtain the appropriate hot fix prior to installing HP DMA SP 9.15.



HP DMA 1.00 (“Data Palette”) customers: DMA SP 9.15 does not support HP DMA 1.00. Contact your HP Software Support representative to discuss options to upgrade to HP SA 9.13 (or later).

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

Supported HP DMA Target Platforms

Operating System	Architecture	Version
AIX	POWER	AIX 6.1 AIX 7.1
HP-UX	PA-RISC Itanium 2	HP-UX 11iv2 (11.23) HP-UX 11iv3 (11.31)
Linux	x86 32-bit or 64-bit	Red Hat Enterprise Linux Desktop 5 Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 SUSE Enterprise Linux Server 11 Oracle Linux 5.3
Solaris	SPARC	SunOS 5.9 (Solaris 9)
	SPARC	SunOS 5.10 (Solaris 10)
Windows	x86 32-bit or 64-bit	Windows Server 2003 Windows Server 2008
	x86 64-bit only	Windows Server 2008 R2 x64

For additional information, see the *HP Server Automation Support and Compatibility Matrix*.



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 9.15*.

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

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 9.15 requires HP Server Automation 9.13 (HP SA 9.13) with DMA 9.13Hotfix_2 or HP SA 9.11 with DMA 9.11Hotfix_4.

HP SA Customers: Contact HP support to obtain the correct hot fix prior to installing HP DMA SP 9.15. The HP DMA SP 9.15 workflows require fixes provided in this hot fix to function correctly. See the [Platform Requirements](#) on page 3 for details.

To upgrade or install 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:
`http://<HP_SA_CoreServer>/dma/login`
- 3 Log in to HP DMA using an account with administrator privileges.
- 4 Go to the Solutions → Installed page.
- 5 Click the **Browse** button in the lower right corner. The Choose File dialog opens.
- 6 Select the ZIP file that you downloaded in step 1, and click **Open**.
- 7 Click the **Import solution pack** button.

Enhancements

The following enhancements are available in HP DMA SP 9.15:

Solution Pack	Workflow	Enhancement
Advanced Database Patching	Apply Oracle Grid Standalone Patch and Apply Database Patch	This new workflow installs an Oracle [®] supplied patch to a Grid ORACLE_HOME. If an OPatch archive is specified, OPatch will be upgraded before the patch is applied; otherwise, the workflow will attempt to use the current version of OPatch. The workflow can also apply a Critical Patch Update to the databases on the specified target. This workflow was designed for version 11.2.0.1 (or later) of Oracle Grid Infrastructure for a standalone server or an Oracle Restart Home.
Database Patching	Rollback Sybase EBF Patch for Standalone	This new workflow rolls back a Sybase Emergency Bug Fix (EBF) or Electronic Software Distribution (ESD) patch to a specified EBF or ESD level using backup binaries (provided by the user) for a standalone Sybase Adaptive Server Enterprise (Sybase ASE) installation.

Solution Pack	Workflow	Enhancement
Database Release Management	Sybase Release Management	<p>This new workflow is designed to release Sybase T-SQL code, modify server level configuration parameters, and update database level options for a Sybase ASE database. You can use this workflow to do the following things:</p> <ul style="list-style-type: none"> • Release T-SQL scripts containing Data Definition Language (DDL), Data Manipulation Language (DML), or Data Control Language (DCL) commands (stored procedure, triggers, and partitions are not currently supported). • Update the database server level configuration (using the stored procedure <code>sp_configure</code>). • Update the database options (using the stored procedure <code>sp_dboption</code>). • Restrict the user from executing prohibited commands or regular expressions in the code. • Parse the query syntax before executing and committing the changes. • Show the optimizer query execution plan. • Show optimizer statistics with the number of logical and physical inputs/outputs. • Show optimizer time for executing the commands/queries. • Restrict the user from executing the commands/queries where it connects to remote databases.
Database Compliance	Run Oracle Compliance Audit Run MS SQL Compliance Audit Run Sybase Compliance Audit	<p>All three compliance workflows are now capable of running audits against three security benchmarks:</p> <ul style="list-style-type: none"> • Center for Internet Security (CIS) Security Configuration Benchmarks • Payment Cards Industry (PCI) Data Security Standard • Sarbanes-Oxley (SOX) sections 302.2, 302.4b, 302.4c, 302.5 <p>New, integrated compliance reports are provided.</p>
Application Server Patching	Patch WebSphere 8 Network Deployment Cell Patch WebSphere 8 StandAlone Profile	<p>These new workflows perform cumulative patching for the IBM WebSphere 8 core application server and its SDK.</p>
	Patch WebLogic Domain	<p>This new workflow applies one or more patches to an Oracle WebLogic 11g or 12c domain.</p>
Application Server Provisioning	Provision WebLogic Cluster	<p>This new workflow creates an Oracle WebLogic Cluster from an existing Weblogic 11g or 12c installation and domain and adds existing Managed Servers to the Cluster.</p>

Fixes

The following items are fixed in HP DMA SP 9.15:

Change Request	Description
QCCR1D143628, QCCR1D143629	A database compliance reporting feature was added to enable users to view the result of each compliance test performed. The compliance audit workflows can now automatically email the results to specified recipients.
QCCR1D149746	Defaulted parameters are no longer set to - User selected - in the Oracle Data Pump database refresh workflows.
QCCR1D150225	The Oracle SQL Release workflow no longer checks whether ARCHIVELOG mode is enabled in the database when the Execute Rollback parameter is set to No.
QCCR1D150672	The Oracle SQL Release workflow no longer generates errors when the specified SQL script refers to nonexistent DDL objects. You can now specify a list of Oracle errors that can be ignored.
QCCR1D150708	The shut-down and start-up steps in the Oracle GRID patching workflows now discover the state of the GRID, and any databases using the GRID, and return them to the same state they were in before the patching process started. All databases that are online before patching begins are now started after patching is completed.
QCCR1D150715	The Provision Oracle Grid Infrastructure for Standalone Server workflow now honors the CRS Home Name specified by the user.
QCCR1D150720	If the specified Oracle User does not have Create Session privileges, the Oracle SQL Release workflow will report an error and terminate gracefully.
QCCR1D150788	In the Provision Oracle Grid Infrastructure for Standalone Server workflow, the inventory is now created one level above the CRS Base directory so that it will be in a shared directory that both the CRS User and the Oracle user can access.
QCCR1D150798	The Patch Oracle Standalone Grid workflow now correctly discovers the location of the Oracle inventory on Solaris targets.
QCCR1D150893	Non-ASCII characters used in the <code>CreateSybaseDatabase.txt</code> workflow documentation file now properly appear in the HP DMA user interface.
QCCR1D151721	The Patch Oracle Standalone Grid workflow now correctly applies all patches included in the specified patch archive file.
QCCR1D152086	In the Provision Oracle Software workflow, the user-specified Oracle Home Name is now correctly created.
QCCR1D152090	In the Provision an Oracle Database, the following text was added to the parameter description for the Start on Boot parameter for the “Add oratab entry” step: “This optional parameter only applies to database version pre 11gR2” The startup option in <code>oratab</code> is no longer used in version 11gR2, so Oracle sets this option to N by default.
QCCR1D152093	The Upgrade Oracle Database now fails if the database is not online.
QCCR1D152096	The Upgrade Oracle Database workflow no longer fails if the Listener is not running.
QCCR1D152132	The Apply CPU to Database workflow no longer fails during the Cleanup Downloaded Files step.
QCCR1D152149	The Rollback Critical Patch Update from Database workflow now works correctly when a Patch Information File is provided by the user.

Change Request	Description
QCCR1D152569	The Provision Oracle Grid Infrastructure for Standalone Server workflow now includes a Cleanup Downloaded Files step that removes the downloaded ZIP file and all temporary files and folders created during the extraction process.
QCCR1D152570	The Provision An Oracle Database now determines whether all required files exist on the target before downloading them. Any files that already exist on the target are not downloaded.
QCCR1D152789	The Patch Oracle Standalone Grid workflow provides two new parameters: GRID Backup File Name and GRID Backup Location. If you specify these two parameters, the workflow will back up your Grid Home and Base into a <code>.tar.gz</code> archive.
QCCR1D152793	Added new workflow to the Advanced Database Patching Solution Pack called Patch Grid Standalone and Apply Database Patch. This workflow that combines patching GRID and applying a CPU patch to the database in the same workflow.
QCCR1D152805	The Oracle patching workflows now terminate in the FAILURE state if they cannot verify that the specified patch was applied.
QCCR1D153467	Discovery steps now work correctly on Solaris targets.
QCCR1D153987	In the Provision Oracle Cluster Ready Services workflow, a new parameter was added to the Gather Advanced step to enable the user to define the CRS Home Name. If this parameter is not specified, the Oracle default is used.
QCCR1D154161	A new clean-up step was added to the end of the Install or Configure ASMLib workflow to remove the downloaded RPMs.
QCCR1D154276	The Apply Critical Patch Update to Database workflow now checks to determine whether the database is up and running before it attempts to apply the patch. This workflow now includes the Startup Instance parameter. If this parameter is set to Yes, and the database instance is offline, the workflow will attempt to start the instance.
QCCR1D154945	The Patch Oracle Standalone Grid workflow now terminates in the FAILURE state if the backup parameters are specified but insufficient space exists in the specified backup location.

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.

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

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