HP Database and Middleware Automation

Release Notes

Software version: 10.20.100 (10.20 CP1) / April 2014

In This Version

This DMA 10.20.100 patch release is a rollup of customer hotfixes as well other defects fixed by the HP Database and Middleware development team. This patch release is also referred to as *DMA 10.20 CP1*.

Patch Installation Notes

The HP DMA version 10.20.100 patch release must be installed on top of version DMA 10.1x or DMA 10.20.

Platform Requirements

The HP DMA version 10.20.100 server requires:

- Red Hat Enterprise Linux version 5.8 or 6.1 (or later), 64-bit,

Or

- SUSE Enterprise Linux version 11 (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 Web Browsers for HP DMA

The HP DMA web UI supports the following web browsers: Chrome, Firefox, and Internet Explorer 8, 9, 10, and 11.

Supported HP DMA Target Platforms

HP DMA supports managed target servers that use the following operating systems:

- Linux
- Solaris
- AIX
- Windows
- HP-UX

For details regarding the operating systems and versions supported by each HP DMA workflow, see the *HP DMA 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 10.20 CP1 solution packs are included on the installation media. This includes the following solution packs:

DVD Directory Name	Solution Packs
DMA_10.20.100_Database_Solution_Packs	Database Compliance Database Provisioning Advanced Database Provisioning Database Patching Advanced Database Patching Database Release Management Database Refresh
DMA_10.20.100_Middleware_Solution_Packs	Application Server Provisioning Application Server Patching Application Server Configuration Management Application Server Release Management
DMA_10.20.100_Server_and_Client	Discovery Promote

> 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

To use HP DMA 10.10 or DMA 10.20 Content on the HP DMA 10.20.100 Platform:

HP has improved the upgrade experience. Existing HP DMA 10.10 and DMA 10.20 workflows will run on HP DMA 10.20.100 without any changes.

To take advantage of the HP DMA 10.20.100 improvements:

To take advantage of the defect fixes in the new HP DMA 10.20.100 workflows, after you have upgraded the HP DMA server you must import the HP DMA 10.20.100 solution pack, make a copy of the pertinent HP DMA 10.20.100 workflow, and then merge your customizations into it.

The benefit is that you can now upgrade one workflow at a time, which allows you to upgrade workflows over a period of time rather than all at once.

The following MS SQL workflows were modified to accept runtime parameters for the Windows domain user (Installer Account/Installer Password or Instance Account/Instance Password):

Solution Pack	Workflow
HP DMA Database Provisioning	MS SQL - Install Standalone SQL Instance
	MS SQL - Install Clustered SQL Instance
	MS SQL - Add Node to Cluster
	MS SQL - Upgrade Standalone SQL Instance
	MS SQL Create Database
	MS SQL Drop Database
HP DMA Database Patching	MS SQL - Install Patch
	MS SQL Rollback Patch
HP DMA Database Refresh	Backup and Restore MS SQL Database
	Backup MS SQL Database
	Restore MS SQL Database
HP DMA Database Compliance	Run MS SQL Compliance Audit
HP DMA Discovery	Discovery
HP DMA Database Release Management	DB Release for SQL Server

If you customized any of these workflows or steps, you will need to make a new copy of the workflows and merge your changes into the new workflow or step.

The following Oracle workflows were modified in this release:

Solution Pack	Workflow
HP DMA Advanced Database Provisioning	Oracle - Provision Data Guard
HP DMA Database Patching	Oracle - Patch Home and Databases
HP DMA Advanced Database Patching	Oracle - Patch Grid Infrastructure and Databases
HP DMA Database Release Management	Oracle - SQL Release

If you customized any of these workflows or steps, you will need to make a new copy of these workflows and merge your changes into the new workflow or step.

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 login credentials (see Support).

Change Request	Area	Description
QCCR1D177908	MS SQL	Patching multiple instances at the same time on the same MS SQL Server system no longer fails with an unknown error. HP DMA now determines whether or not the patch process is already running. If it is, HP DMA initiates a wait loop that runs until the process has completed before kicking off the next patch.
QCCR1D178687	MS SQL	Rollback of CU1 in 2008 no longer fails when another existing instance is still using the patch. A Delete Directory step has been added to the workflow to delete extracted files, thereby preventing the patch from failing during the verification steps.
QCCR1D178688	MS SQL	The database backup step now works in the MS SQL Install Patch workflow. The function call in the step has been fixed so that backups are taken.
QCCR1D178691	MS SQL	SQL Server 2008 R2 + SP2 + CU1 installation no longer fails at the verification step. The verification step has been updated and now accepts an instance version higher than that of the installation media.
QCCR1D179156	MS SQL	The following Rollback Patch issues have been fixed: 1. Failure to verify even when there is only one instance. 2. Removal of the patch from the instance, but because there is no Discovery after patch removal, it doesn't get updated in the Environment tab. Now, Discovery is executed at the end of the rollback. 3. The unzipped source files were left on the Target server and the downloaded zip file was removed. Now, the unzipped files are removed as well.
QCCR1D179497	MS SQL	When attempting to remove an existing file, the Install Patch workflow no longer fails and displays a Finished State (rather than Success).
QCCR1D177907	Oracle	The Oracle Compliance workflow no longer fails during archive log queries. Previously, the workflow queried the database for the name where the logs are backed up, but when RMAN archives the logs, the name was removed and resulted in an error. The query has been changed to only check archive logs that have not been deleted by RMAN.
QCCR1D178472	Oracle	Users are now able to create directories and/or use the remote listener in the workflow Provision Oracle Dataguard.

Change Request	Area	Description
QCCR1D179053	Oracle	The workflow Oracle - Patch Grid Infrastructure and Databases has been modified to ensure that the workflow retrieves the correct SID value.
QCCR1D179345	Oracle	The workflow Oracle - Patch Grid Infrastructure and Databases no longer fails when there is an unused database home with no instance running out of it. A new function has been included in the validate step to add any empty Oracle Homes to the SID list.
QCCR1D179931	Oracle	Oracle home is not discovered by the Discovery workflow if it is not with the Grid Infrastructure. AIX inserts an unmatched double quote in the output of the ps eww command, which breaks the parsing of the process string and causes the Discovery workflow to fail. This issue has been resolved by stripping any double quotation marks from the output.
QCCR1D180560	Oracle	The workflow Clone Oracle Home no longer fails when trying to create a new Oracle Home directory.
QCCR1D180769	Oracle	The workflow Oracle Patch Home and Databases no longer fails to determine the Oracle Patch Version when running in a Grid infrastructure.
QCCR1D180914	Oracle	Problematic file permissions with the SQL file set by root (using a umask value of 027) no longer cause Oracle - SQL Release to report that the workflow has run successfully when the script has not been executed. A new function call was added to modify permissions of SQL files after they have been downloaded.
QCCR1D180916	Oracle	The workflow Oracle - Patch Grid Infrastructure and Databases no longer fails due to a permissions problem (caused by using a umask value of 27) that prevents Oracle users from reading the file. A new function call was added to modify permissions of SQL files after they have been downloaded so that Oracle can access them.
QCCR1D180917	Oracle	The workflow Oracle Patch Grid Infrastructure and Databases no longer fails when running the opatch auto command because the workflow now checks for conflicts prior to patching.
QCCR1D180985	Oracle	The workflows Provision Oracle Grid and Patch Grid and no longer fail due to Solaris output differences.
QCCR1D181761	Oracle	The workflow Parse Oracle Inventory no longer fails due to a permissions problem (caused by using a umask value of 27) that prevents Oracle users from reading the file. A new function call was added to modify permissions so that Oracle can access them during provisioning workflows.
QCCR1D180324	Platform – WEST APX	APX setting of Windows Admin user for HP DMA–the job completes and the system reports success, even though it actually returned an error.
QCCR1D180447	Platform	Policy Attributes mapped to a custom field were not always properly mapped.

Change Request	Area	Description
QCCR1D181142	Platform	Database objects that were not updated properly on certain error conditions are now correctly updated on all error conditions.
QCCR1D181040	Promote	HP DMA Promote no longer fails when exporting workflows using older release imports.

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).

Change Request	Area	Description
QCCR1D179155	MS SQL	Workflows no longer fail when the HP SA agent and HP DMA client extension attempt to look up user accounts in the active directory.
QCCR1D180190	Platform	Users can now run workflows on Windows servers in HP DMA 10.20 when a Windows login contains the '#' character.

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

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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