Hewlett Packard
Enterprise

HPE Database and Middleware Automation

Premium Edition

for Linux and Windows operating systems
Software Version: 10.40.000.000

Release Notes

Document Release Date: December 2015

Software Release Date: December 2015

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This document provides an overview of HPE Database and Middleware Automation Express (HPE DMA) for the 10.40.000.000 release. Because this is the first iteration of DMA Premium, there are no Fixed Issues or Enhancement Requests included in these Release Notes.

This document contains the following important information not included in the manuals.

In This Version

Release Highlights

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In This Version

HPE DMA Premium enables you to run HPE DMA flows in HP Operations Orchestration (HP OO). DMA Premium extends HP OO capabilities, automating administrative and maintenance tasks without requiring installation of either the HP Server Automation (HP SA) infrastructure, or the HPE DMA Server, both of which are required in a traditional DMA environment.

Release Highlights

HPE DMA Premium Edition (DMA Premium) version 10.40.000.000 is a new product offering in the DMA family of products. Its workflows are built from commercially proven DMA Ultimate Edition workflows used in large enterprises for database and middleware lifecycle management.

DMA Premium flows run as native HPE Operations Orchestration (HPE OO) content, negating the need to install an HPE Server Automation (HPE SA) or HPE DMA Ultimate infrastructure, greatly simplifying the overall implementation and improving time-to-value.

DMA Premium capabilities enable HPE Cloud Service Automation, in conjunction with HPE OO, to enable self-service cloud environments to seamlessly provide a Database-as-a-service (DBaaS) and Platform-as- a-Service (PaaS) use cases to end users, without requiring end-user expertise with database or middleware technologies.

Through HPE OO and/or HPE CSA, DMA Premium Edition flows can be extend other HPE IT Operations Management products like HPE IT Operations Compliance and HPE Codar.

All DMA Premium features and capabilities are included in the DMA Ultimate Edition and include:

- Provisioning of standalone Oracle, SQL Server, MySQL, JBoss, WebSphere, Apache Web Server, Apache Tomcat and WebLogic environments.
- Provisioning of clustered Oracle and SQL Server environments.
- Patching of standalone and clustered Oracle and SQL Server environments, including Oracle GRID and Data Guard with rolling patches and rollback.
- Patching of standalone MySQL environments.
- Migration and upgrade of Oracle environments to alternative OS platforms, including Exadata, for Oracle 11.2.0.4 or 12.x releases.
- Migration and upgrade of SQL Server database environments to SQL Server 2012 or 2014 releases from earlier releases.
- Provisioning and patching of standalone WebSphere, WebLogic, and JBoss CE, EAP and Wildfly environments.
- Provisioning and patching of clustered WebSphere and WebLogic environments.
- Code release into WebSphere, WebLogic and JBoss.
- Code release into Oracle and SQL Server.
- Miscellaneous utilities like start/stop of a DB instance, DROP database, provision Oracle Client, etc.

There is no overlap between the DMA Premium Content Pack and the HPE OO Database or Middleware Content Pack functionality.

For more information, refer to HPE DMA Premium Edition documentation provided under the DMA_ Premium_10.40 folder in the .zip file or access the most recent version from https://softwaresupport.hp.com.

Documentation

DMA documentation is also available on HPE Live Network. HP Passport credentials are required to access this site. The documentation available on HPE Live Network is the latest.

Requirements

The following items are required to use DMA Premium in HP Operations Orchestration:

- License for HP Operations Orchestration version 10.20 or later
- HP OO Studio and/or HP OO Central installed
- HP OO Base Content Pack (1.4.3 or later) loaded
- License for DMA Premium or Database and Middleware Automation
- HPE DMA Premium installation media available
- Before running any DMA Premium flows in HP OO Central/RAS, you must be logged in and running the service using Administrator privileges.
- Pertinent binaries available—depending upon which HPE DMA Premium flows you plan to run
  - Repositories:
    - HPE DMA Premium Client (DMA Runtime)
    - Software repository

      You need repositories to store the HPE DMA Premium Client scripts and software binaries (such as database software and patches). Depending on your specific setup, repositories can be a file server or server management software. The HPE DMA Premium Client should not be the same as the software repository.
- Installation of Nmap for Windows target servers. Nmap, an open source tool for network exploration and security auditing, must be installed on the source machine (OO Studio/OO Central/RAS) from http://nmap.org.
- Recommended: A Python Integrated Development Environment (IDE) that supports Python 2.5 and later— to add customized steps and functions to the HPE DMA Premium Client. There are a number of commercial and open source Python IDEs available, such as PyCharm.
- Recommended: Target managed servers with the required operating systems—for additional information see HPE DMA Premium flows
- Recommended: A version control system.

Supported Browsers for HPE DMA Premium

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

Supported Database Solutions

DMA Premium supports the following database and middleware solutions:

- Oracle 11gR2 and 12c
- MS SQL Server Database 2012 and 2014
- My SQL 5.6, Enterprise Edition
- Oracle MySQL
- Oracle WebLogic Server 11g and 12c versions
- WebSphere
- JBoss
- Apache web server
- Tomcat application server

Supported HPE DMA Target Platforms

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

- Linux

- Windows

For details regarding the operating systems and versions supported by each HPE DMA Premium flow, see the *HPE DMA Premium Support Matrix*. This document is available at the following web site:

https://softwaresupport.hp.com/

HPE DMA Premium Content Packs

The HPE DMA Premium version 10.40.000.000 Content Packs are delivered online via a compressed (.zip) file. This file includes the following Content Packs:

Content Pack Filename	Description
`DMA_Express_10.40.000.000_Database_Solution_Pack`	Includes all of the DMA Premium flows for databases.
`DMA_Express_10.40.000.000_Client_Solution_Pack`	Includes all of the DMA Premium flows for the DMA Client (also known as DMA Runtime).
`DMA_Express_10.40.000.000_Middleware_Solution_Pack`	Includes all of the DMA Premium flows for middleware.
`DMA_Express_10.40.000.000_Util_Content_Pack`	Includes a set of utilities for use with DMA Premium.