



# Database and Middleware Automation

Premium Edition

Software Version: 10.50.001.000

## Release Notes

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## In this version

HPE DMA Premium enables you to run HPE DMA flows in HPE Operations Orchestration (HPE OO). DMA Premium extends HPE OO capabilities, automating administrative and maintenance tasks without requiring installation of either the HPE Server Automation (HPE 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 10.50.001.000 is a 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 (HPE CSA), 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.

- Provisioning of standalone Oracle, Microsoft SQL Server, MySQL, JBoss, WebSphere, Apache Web Server, Apache Tomcat and WebLogic environments.
- Provisioning of clustered Oracle and Microsoft SQL Server environments.
- Patching of standalone and clustered Oracle and Microsoft 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 Microsoft SQL Server database environments to Microsoft SQL Server 2012, 2014, or 2016 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 Microsoft SQL Server.
- Miscellaneous utilities like start/stop of a DB instance, DROP database, provision Oracle Client, etc.
- Microsoft SQL Server 2016 on Microsoft Windows 2012, Windows 2012 R2, and Windows 2016 systems for SQL Server workflows.

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\_10.50.001.000 folder in the .zip file or access the most recent version from <https://softwaresupport.hpe.com>.

# Requirements

The following items are required to use the Database and Middleware Automation Premium (DMA Premium) in HP Operations Orchestration:

- License for HP Operations Orchestration version 10.20 or later
- HPE OO Studio and/or HP OO Central installed
- HPE OO Base Content Pack (1.5.3 or later) loaded
- License for DMA Premium or Database and Middleware Automation
- HPE DMA installation media available
- Before running any DMA Premium flows in HPE 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 OO 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 (for example, a Linux machine, which supports remote folder access) or server management software. Note that this file server cannot be a FTP server because neither DMA Premium Client flows nor DMA Premium remote copy functionality supports FTP or HTTP access and downloads to the binaries. 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 Flows](#)
- *Recommended:* A version control system

## Supported Browsers for HPE DMA Premium

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

## Supported Database and Middleware Solutions

DMA Premium supports the following database and middleware solutions:

- Oracle 11gR2 and 12c
- Microsoft 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.hpe.com/>

## HPE DMA Premium Content Packs

The HPE DMA Premium version 10.50.001.000 Content Packs are delivered online via a compressed (.zip) file. This file includes the following Content Packs:

<b>Content pack filename</b>	<b>Description</b>
DMA_Premium_10.50.001.000_ Database_Solution_Pack	Includes all of the DMA Premium flows for databases.
DMA_Premium_10.50.001.000_ Client_Solution_Pack	Includes all of the DMA Premium flows for the DMA Client (also known as DMA Runtime).
DMA_Premium_10.50.001.000_ Middleware_Solution_Pack	Includes all of the DMA Premium flows for middleware.
DMA_Premium_10.50.001.000_Util_ Content_Pack	Includes a set of utilities for use with DMA Premium.



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