



**Hewlett Packard**  
Enterprise

# HPE Database and Middleware Automation

Express Edition

for Linux and Windows operating systems

Software Version: 10.50.000.000

## Release Notes

Document Release Date: June 2016

Software Release Date: June 2016

## Legal Notices

### Warranty

The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HPE shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

### Restricted Rights Legend

Confidential computer software. Valid license from HPE required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

### Copyright Notices

© Copyright 2011-2016 Hewlett Packard Enterprise Development LP

### Trademark Notices

Adobe™ is a trademark of Adobe Systems Incorporated.

HP-UX Release 10.20 and later and HP-UX Release 11.00 and later (in both 32 and 64-bit configurations) on all HP 9000 computers are Open Group UNIX 95 branded products.

Windows® and Microsoft® are U.S. registered trademarks of Microsoft Corporation.

Oracle® is a registered trademark of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

## Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To check for recent updates or to verify that you are using the most recent edition of a document, go to:

<https://softwaresupport.hpe.com/>

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

<https://hpp12.passport.hp.com/hppcf/createuser.do>

Or click the **Register** link at the top of the HP Software Support page.

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

# Support

Visit the HPE Software Support web site at:

<https://softwaresupport.hpe.com/>

This Web site provides contact information and details about the products, services, and support that HPE Software offers.

HPE Software online 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 web site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HPE 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 a support contract. To register for an HP Passport ID, go to:

<https://hpp12.passport.hp.com/hppcf/createuser.do>

To find more information about access levels, go to:

<https://softwaresupport.hpe.com/web/softwaresupport/access-levels>

This document provides an overview of HPE Database and Middleware Automation Express (HPE DMA) for the 10.50.000.000 release.

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

[In This Version](#)

[Release Highlights](#)

[Requirements](#)

[Supported Browsers for HPE DMA Express](#)

[Supported HPE DMA Target Platforms](#)

[HPE DMA Express Content Packs](#)

[Fixed Issues](#)

## In This Version

HPE DMA Express enables you to run HPE DMA flows in HPE Operations Orchestration (HPE OO). DMA Express 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 Express version 10.50.000.000 supports standalone database and middleware environments for a subset of lifecycle use cases when compared to DMA Ultimate and DMA Premium Editions. Its workflows are built from commercially proven DMA Ultimate Edition workflows used in large enterprises for database and middleware lifecycle management.

DMA Express flows run as native HPE OO content, negating the need to install an HP SA or HPE DMA Ultimate infrastructure, greatly simplifying the overall implementation and improving time-to-value.

DMA Express 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 Express Edition flows can be extend other HPE IT Operations Management products like HPE IT Operations Compliance and HPE Codar.

New features in this version of DMA Express include:

- Provisioning of standalone JBoss Community, Enterprise and Wildfly edition environments
- Database DDL/DML code release into a MySQL database
- Availability of HPE CSA Service Designs that can be downloaded from the [HPE Live Network](#). HP Passport credentials are required to access this site and your credentials must be authorized to download DMA Express CSA Service Design Capsules by having a valid DMA Express License to Use (LTU) association.

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

For more information, refer to HPE DMA Express Edition documentation provided under the DMA\_Express\_10.50 folder in the installation .zip file or access the most recent version from <https://softwaresupport.hpe.com>.

## Requirements

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

- License for HPE OO version 10.20 or later
- HPE OO Studio and/or HPE OO Central installed
- HPE OO Base Content Pack (1.4.3 or later) loaded
- License for DMA Express or Database and Middleware Automation
- HPE DMA Express installation files
- Before running any DMA Express flows in HPE OO Central/RAS, you must be logged in and running the service using administrator privileges.

- Pertinent Oracle or MS SQL server binaries available—depending upon which HPE DMA Express flows you plan to run
  - Repositories:
    - HPE DMA Express Client (DMA Runtime)
    - Software repository

You need repositories to store the HPE DMA Express 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 Express 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://www.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 Express 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 Express flows
- Recommended: A version control system.

## Supported Browsers for HPE DMA Express

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

## Supported Database Solutions

DMA Express 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 WebLogic Server 11g and 12c versions
- WebSphere
- JBoss

## 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 Express flow, see the *HPE DMA Express Support Matrix*. This document is available at the following web site:

<https://softwaresupport.hpe.com/>

See Documentation Updates for information about accessing this web site.

## HPE DMA Express Content Packs

The HPE DMA Express version 10.50.000.000 Content Packs are delivered online via a compressed (.zip) file. This file includes the following Content Packs:

Content Pack Filename	Description
DMA_Express_10.50.000.000_Database_Solution_Pack	Includes all of the DMA Express flows for databases.
DMA_Express_10.50.000.000_Client_Solution_Pack	Includes all of the DMA Express flows for the DMA Client (also known as DMA Runtime).
DMA_Express_10.50.000.000_Middleware_Solution_Pack	Includes all of the DMA Express flows for middleware.
DMA_Express_10.50.000.000_Util_Content_Pack	Includes a set of utilities for use with DMA Express.

### Fixed Issues

No fixed issues in this release.