HPE Database and Middleware Automation

Ultimate Edition

for Linux, Solaris, Windows, AIX, and HP-UX operating systems
Software Version: 10.50.001.000

Support Matrix

Document Release Date: February 2018

Software Release Date: April 2017

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<table>
<tr><td colspan="2" style="text-align:center">HPE Database and Middleware Automation Version 10.50.001.000
Support Matrixes for Workflows</td></tr>
</table>

The pages that follow provide support matrixes for the HPE DMA workflows. The matrixes contain the supported products, HPE DMA solution packs, HPE DMA workflows, and supported platforms for each supported product version.

Type	Included items
Product	Oracle
	SQL Server
	SAP Sybase Adaptive Server Enterprise
	IBM DB2
	MySQL
	Apache
	Tomcat
	JBoss
	WebSphere
	WebLogic
Solution Pack	AdvancedDBPatching
	AdvancedDBProvisioning
	DBCompliance
	DBPatching
	DBProvisioning
	DBRefresh
	DBReleaseManagement
	ASProvisioning
	ASPatching
	ASReleaseManagement
	ASConfigManagement
	Discovery
	Promote
Platform	Linux Platforms with SE Linux: Red Hat Enterprise, SUSE Enterprise, Oracle Enterprise
	Solaris (SPARC), Solaris (Intel)
	Windows
	AIX
	HP-UX

Oracle Database		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		Solaris (SPARC) 10, 11		Solaris (x86) 10, 11		AIX 6, 7		HP-UX 11iv3 (11.31)		Windows 2008, 2008R2, 2012, 2012 R2	
Solution Pack	**Workflow**	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0
AdvancedDBPatching	Oracle - Patch Grid Infrastructure and Databases	●	●	●	●				●				
	Oracle - Rollback Patch from Grid Infrastructure and Database	●	●	●	●				●				
	Oracle - Migrate and Patch Grid Managed Database	●	●	●	●			●	●				
AdvancedDBProvisioning	Check RAC Node and Check SQL Connectivity	●	●	●	●				●				
	Cleanup Failed RAC Node Install		●		●				●				
	Oracle - Configure Data Guard Broker Properties	●	●	●	●				●				
	Oracle - Create Database Broker Configuration	●	●	●	●				●				
	Oracle - Provision Data Guard	●	●	●	●				●				
	Install or Configure ASMLib	●	●	●	●				●				
	Move ASM Datafiles	●	●	●	●				●				
	Oracle - Data Guard Broker Switchover	●	●	●	●				●				
	Add or Alter an ASM Diskgroup	●	●	●	●				●				
	Oracle - Provision or Upgrade Grid Infrastructure	●	●	●	●			●	●				
DBCompliance	Oracle - Compliance Audit	●	●	●	●			●	●	●			
DBPatching	Oracle - Patch Home and Database	●	●	●	●	●	●	●	●		●	●	●
	Apply Oracle Patchset [1]												
	Clone Oracle Home	●	●	●	●			●	●		●		
	Migrate Oracle Home	●	●	●	●			●	●		●		
	Oracle - Rollback Patch from Home and Databases	●	●	●	●	●	●	●	●		●	●	●

Oracle Database		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11 Oracle Linux 5, 6, 7		Solaris (SPARC) 10, 11		Solaris (x86) 10, 11		AIX 6, 7		HP-UX 11iv3 (11.31)		Windows 2008, 2008R2, 2012, 2012 R2	
Solution Pack	Workflow	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0	12.1.0	11.2.0
DBProvisioning	Oracle - Upgrade Database	●	●	●	●			●	●		●		
	Oracle - Provision Database	●	●	●	●			●	●		●		
	Provision OEM Agent		●		●				●		●		
	Oracle - Provision Pluggable Database	●		●				●					
	Oracle - Provision Database Software	●	●	●	●			●	●		●		
	Oracle - Provision Client	●	●	●	●			●	●		●		
	Oracle - Start or Stop Database	●	●	●	●			●	●				
	Oracle - Drop Database	●	●	●	●			●	●				
DBRefresh [2]	Oracle - Export and Refresh Database via Data Pump	●	●	●	●			●	●	●	●		
	Oracle - Extract and Refresh Database via RMAN	●	●	●	●			●	●	●	●		
	Oracle - Export Database via Data Pump	●	●	●	●			●	●	●	●		
	Oracle - Extract Database via RMAN	●	●	●	●			●	●	●	●		
	Oracle - Refresh Database via Data Pump	●	●	●	●			●	●	●	●		
	Oracle - Refresh Database via RMAN	●	●	●	●			●	●	●	●		
	Oracle - Migrate Database TTS	●	●	●	●			●	●	●	●		
DBReleaseManagement	Oracle - SQL Release	●	●	●	●			●	●	●	●		
Discovery	Discovery	●	●	●	●	●	●	●	●	●	●	●	●

12.1.0.x includes Oracle 12.1.0.1, 12.1.0.2 (12.1.0.1 was supported in DMA 10.21, 12.1.0.2 is new support

11.2.0.x includes Oracle 11.2.0.3, 11.2.0.4

The Oracle workflows may still run on 11.1.0.6, 11.1.0.7, and 10.2.0.x x - but out of standard support

[1] Workflow only runs on Oracle versions that are out of standard support

[2] DBRefresh Solution Pack: Still supports 10.2.0.5 for the source

SQL Server		Windows 2016			Windows 2012 R2				Windows 2012			Windows 2008, 2008 R2			
Solution Pack	Workflow	2016	2014	2012	2016	2014	2012	2008 R2	2014	2012	2008 R2	2014	2012	2008 R2	2008
DBCompliance	MS SQL - Compliance Audit	•	•	•	•	•	•	•	•	•	•	•	•	•	
DBPatching	MS SQL - Install Patch	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL Rollback Patch	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Install Cluster Patch	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DBProvisioning	MS SQL - Install Clustered SQL Instance	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Install Standalone SQL Instance	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Upgrade Standalone SQL Instance	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Add Node to Cluster	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Create Database	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Drop Database	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Create AlwaysOn Availability Group	•	•		•	•			•			•			
	MS SQL - Start or Stop Instance	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DBRefresh	MS SQL - Backup and Restore Database	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Backup Database	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MS SQL - Restore Database	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DBReleaseManagement	DB Release for SQL Server	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Discovery	Discovery	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Notes: Workflows may include a version (for example, v2)

Support includes Windows service packs

Key
• Available
• New support
  Not applicable
Name New/replaced workflow

SAP Sybase Adaptive Server Enterprise		Red Hat Enterprise Linux 5, 6 SUSE Enterprise Linux Server 10, 11			Solaris (SPARC) 10			AIX 6, 7		
Solution Pack	**Workflow**	**15.7**	**15.5**	**15.0.3**	**15.7**	**15.5**	**15.0.3**	**15.7**	**15.5**	**15.0.3**
DBCompliance	Sybase - Compliance Audit	●	●	●	●	●	●	●	●	●
DBPatching	Sybase - Patch to Home and Instance	●	●	●		●	●		●	●
	Sybase - Rollback from Home and Instance	●	●	●		●	●		●	●
DBProvisioning	Configure Sybase ASE 15 Server		●	●		●	●		●	●
	Create Sybase Database		●	●		●	●		●	●
	Enable Sybase ASE 15 SMP Feature		●	●					●	●
	Register Sybase SySAM License		●	●						
	Provision Sybase ASE 15 Server		●	●		●	●		●	●
	Sybase - Provision Software	●			●			●		
	Sybase - Provision Instance	●			●			●		
	Sybase - Start or Stop Instance	●			●			●		
DBRefresh	Dump Sybase Database		●	●		●	●		●	●
	Load Sybase Database Dump		●	●		●	●		●	●
	Dump and Load Sybase Database		●	●		●	●		●	●
DBReleaseManagement	Sybase Release Management		●	●		●	●		●	●
Discovery	Discovery	●	●	●	●	●	●		●	●
	Sybase Deep Instance Discovery	●	●	●	●	●	●		●	●

Notes: Workflows may include a version (for example, v2)

Support includes platform minor releases

Key
● Available
● New support
   Not applicable
Name New/replaced workflow

MySQL		Red Hat Enterprise Linux 6
Solution Pack	**Workflow**	**MySQL 5.6 Enterprise Edition, x64**
DBCompliance	MySQL - Compliance Audit	●
DBProvisioning	MySQL - Create Database	●
	MySQL - Drop Database	●
	MySQL - Upgrade Instance	●
	MySQL - Install Instance	●
	MySQL - Start or Stop	●
DBReleaseManagement	MySQL - SQL Release	●
Discovery	Discovery	●

Notes: Workflows may include a version (for example, v2)

Support includes platform minor releases

Key
● Available
● New support
Not applicable
Name New/replaced workflow

IBM DB2		Red Hat Enterprise Linux 6.7	Red Hat Enterprise Linux 5, 6				Red Hat Enterprise Linux 5	
Solution Pack	Workflow	11.1	10.5	10.1	9.7	9.5	9.7	9.5
AdvancedDBPatching	DB2 - Offline HADR Fixpack Parent Flow		●	●	●	●		
	DB2 - Fixpack Validator		●	●	●	●		
	DB2 - Offline HADR Apply Fixpack		●	●	●	●		
	DB2 - Offline HADR Rollback Fixpack		●	●	●	●		
DBCompliance	DB2 - Compliance Audit	●	●	●	●	●	●	●
	DB2 - Patch Fixpack	●	●	●	●	●	●	●
DBPatching	DB2 – Rollback Fixpack	●	●	●	●	●	●	●
DBProvisioning	DB2 - Provision Software	●	●	●	●	●	●	●
	DB2 - Provision Instance	●	●	●	●	●	●	●
	DB2 - Provision Database	●	●	●	●	●	●	●
	DB2 - Upgrade Instance and Database	●	●	●	●	●	●	●
	DB2 - Configure HADR Database		●	●				
	DB2 - Configure Tivoli SAMP On HADR Database		●	●				
Discovery	Discovery	●	●	●	●	●	●	●

IBM DB2	AIX 6, 7			
Solution Pack	**Workflow**	**10.5**	**10.1**	**9.7**	**9.5**
AdvancedDBPatching	DB2 - Offline HADR Fixpack Parent Flow	●	●	●	●
	DB2 - Fixpack Validator	●	●	●	●
	DB2 - Offline HADR Apply Fixpack	●	●	●	●
	DB2 - Offline HADR Rollback Fixpack	●	●	●	●
DBCompliance	DB2 - Compliance Audit	●	●	●	●
	DB2 - Patch Fixpack	●	●	●	●
DBPatching	DB2 – Rollback Fixpack	●	●	●	●
DBProvisioning	DB2 - Provision Software	●	●	●	●
	DB2 - Provision Instance	●	●	●	●
	DB2 - Provision Database	●	●	●	●
	DB2 - Upgrade Instance and Database	●	●	●	●
	DB2 - Configure HADR Database	●	●		
	DB2 - Configure Tivoli SAMP On HADR Database	●	●		
Discovery	Discovery	●	●	●	●

Apache		Red Hat Enterprise Linux 5, 6, 7		Windows 2008 R2, 2012, 2012 R2	
Solution Pack	**Workflow**	**2.2**	**2.4**	**2.2**	**2.4**
ASProvisioning	Apache - Provision Software	●	●	●	●
Discovery	Discovery	●	●	●	●

Notes: Workflows may include a version (for example, v2)
Support includes platform minor releases and Windows service packs
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Key
● Available
● New support
Not applicable
Name New/replaced workflow

Tomcat		Red Hat Enterprise Linux 5, 6, 7		Windows 2008 R2, 2012, 2012 R2	
Solution Pack	**Workflow**	**7**	**8**	**7**	**8**
ASProvisioning	Tomcat - Provision Software	●	●	●	●
Discovery	Discovery	●	●	●	●

Key
● Available
● New support
Not applicable
Name New/replaced workflow

JBoss		Red Hat Enterprise Linux 5, 6, 7		
Solution Pack	**Workflow**	**CE 7**[*]	**EAP**[**]	**WildFly**[#]
ASPatching	JBoss - Patch Software[1]		●	
	JBoss - Rollback Patch Software [1]		●	
ASProvisioning	Provision Open Source JBoss 7 StandAlone Mode	●		
	JBoss - Provision Software		●	●
ASConfigManagement	JBoss - Create and Configure Data Source		●	●
ASReleaseManagement	JBoss - Code Release		●	●
Discovery	Discovery		●	●

* CE 7 - Community Edition Version 7

** EAP - JBoss EAP 6.1.0, 6.2.0, 6.3.0

\# WildFly - JBoss WildFly 8.0.0, 8.1.0, 8.2.0

1 EAP - Patching and Rollback Supported version: EAP 6.2 onwards, WildFly 8.0.0, 8.1.0, 8.2.0

Key
● Available
● New support
Not applicable
Name New/replaced workflow

WebSphere		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11			Windows 2008 R2, 2012, 2012 R2			Solaris (SPARC) 10			AIX 6, 7			HP-UX 11iv3 (11.31)
Solution Pack	Workflow	8.5	8	7	8.5	8	7	8.5	8	7	8.5	8	7	7
ASPatching	Patch WebSphere 7 Network Deployment Cell			•			•			•			•	
	Patch WebSphere 7 StandAlone Profile			•			•			•			•	
	WebSphere 8 -Patch Network Cell	•	•		•	•		•	•		•	•		
	IBM HTTP Server - Patch Software	•	•		•	•		•	•		•	•		
ASProvisioning	Create Custom Node from Existing WebSphere 7 Install			•			•			•			•	•
	Create StandAlone From Existing WebSphere 7 Install			•			•			•			•	•
	Provision IBM HTTP Server 7 and Plug-in			•			•			•			•	•
	Provision WebSphere 7 and Custom Node			•			•			•			•	•
	Provision WebSphere 7 and Deployment Manager			•			•			•			•	•
	Provision WebSphere 7 StandAlone Profile			•			•			•			•	•
	Provision WebSphere and Deployment Manager	•	•		•	•		•	•		•	•		
	Provision WebSphere and Custom Node	•	•		•	•		•	•		•	•		
	Provision WebSphere and Stand-Alone	•	•		•	•		•	•		•	•		
	Provision Websphere Stand-Alone Profile From Existing Install	•	•		•	•		•	•		•	•		
	Provision Websphere Custom Node Profile From Existing Install	•	•		•	•		•	•		•	•		
	WebSphere - Provision WebSphere SDK Java	•	•		•	•		•	•		•	•		
	WebSphere - Provision IBM HTTP Server	•	•		•	•		•	•		•	•		
ASConfigManagment	Configure WebSphere Cluster and Cluster Members	•	•	•	•	•	•	•	•	•	•	•	•	
	Create and Configure WebSphere Data Sources	•	•	•	•	•	•	•	•	•	•	•	•	
	WebSphere - Configure IBM HTTP Server	•	•		•	•		•	•		•	•		
ASReleaseManagement	WebSphere - Code Release	•	•		•	•		•	•		•	•		
	WebSphere - Code Release on Cluster	•	•		•	•		•	•		•	•		
Discovery	Discovery	•	•	•	•	•	•	•	•	•	•	•	•	

Notes: Workflows may include a version (for example, v2)
Support includes platform minor releases and Windows service packs

Key
- • Available
- • New support
- Not applicable
- Name New/replaced workflow

WebLogic		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11		Solaris (SPARC) 10	
Solution Pack	**Workflow**	**11G**	**12C**	**11G**	**12C**
ASProvisioning	Increase WebLogic Domain Span	●	●	●	●
	Provision WebLogic Cluster	●	●	●	●
	WebLogic - Provision Weblogic Domain and Admin Server	●	●	●	●
	WebLogic - Provision Weblogic Managed Servers	●	●	●	●
	WebLogic - Provision Weblogic Software	●	●	●	●
	WebLogic - Provision Advanced Domain and Admin Server	●	●	●	●
	WebLogic - Create Trust and Identity Keystore *	●	●	●	●
ASPatching	WebLogic - Patch WebLogic Domain	●	●	●	●
	Weblogic - Rollback Patch	●	●	●	●
ASConfigManagment	WebLogic - Create and Configure Datasource	●	●		
ASReleaseManagement	WebLogic - Code Release	●	●		
Discovery	Discovery	●	●	●	●

* Supports Java 1.6 and 1.7

Key
- ● Available
- ● New support
- Not applicable
- Name New/replaced workflow

Promote		Red Hat Enterprise Linux 5, 6, 7 SUSE Enterprise Linux Server 10, 11		Solaris (SPARC) 10	Windows 2008 R2, 2012, 2012 R2
Solution Pack	**Workflow**				
Promote	Promote Workflow - Export	●	●	●	●
	Promote Workflow - Import	●	●	●	●
	Promote Workflow - Export and Import	●	●	●	●

Notes: Workflows may include a version (for example, v2)
Support includes platform minor releases and Windows service packs

Key
● Available
● New support
Not applicable
Name New/replaced workflow

Promote		AIX 6, 7
Solution Pack	**Workflow**	
Promote	Promote Workflow - Export	●
	Promote Workflow - Import	●
	Promote Workflow - Export and Import	●

Notes: Workflows may include a version (for example, v2)
Support includes platform minor releases and Windows service packs
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Key
● Available
● New support
Not applicable
Name   New/replaced workflow

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HPE Database and Middleware Automation Version 10.50.001.000 Required Software Infrastructure		
Software Infrastructure	**Product**	**Version**
DMA server platform	Red Hat Enterprise Linux	5.8, 6.1, 7.x 64-bit
	SUSE Enterprise Linux	11 (or later) 64-bit
	CentOS	6.x 64-bit
	Security-Enhanced Linux (all modes)	7.x
Server management tool	HP Server Automation	HPEDCA Virtual Appliance 2016.01
		Server Automation 10.x Ultimate Edition (SA 10.1x, 10.2x,10.5x, and 10.60)
		Server Automation 10.x Enterprise Edition (SA 10.0x, 10.2x, and 10.5x)
		Server Automation 10.x Standard Edition (SAVA 10.0x)
DMA backend database tool	Oracle Database Enterprise or Standard Edition	12c
		11gR2
	PostgreSQL	9.3.5
Oracle Java	Java Runtime Environment (JRE)	Version 8 Update 92 (1.8_u92) on Linux flavors, Windows, Solaris Version 8 Update 5 (1.8_u5) on HPUX Version 8 Update 130 (1.8_u130) on AIX

Note: Products are supported until end-of-life.

HPE Database and Middleware Automation Version 10.50.001.000 Supported Web Browsers		
Web Browser	**Product**	**Version**
Browser	Microsoft Internet Explorer	10 and 11
	Google Chrome	
	Mozilla Firefox	

Note: Products are supported until end-of-life.

HPE Database and Middleware Automation Version 10.50.001.000 Supported Target Platforms

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

Operating System	Architecture	Version
AIX	POWER	AIX 6 AIX 7
HP-UX	Itanium 2	HP-UX 11iv3 (11.31)
Linux	x86 32-bit	Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 Red Hat Enterprise Linux Server 7 SUSE Enterprise Linux Server 10 SUSE Enterprise Linux Server 11 SUSE Enterprise Linux Server 12 Oracle Linux 5 Oracle Linux 6 Oracle Linux 7
	x86 64-bit	Red Hat Enterprise Linux Server 5 Red Hat Enterprise Linux Server 6 Red Hat Enterprise Linux Server 7 SUSE Enterprise Linux Server 10 SUSE Enterprise Linux Server 11 Oracle Linux 5 Oracle Linux 6 Oracle Linux 7 CentOS 6 Security-Enhanced Linux 7.x (all modes)
Solaris	SPARC	Solaris 10 Solaris 11
Windows	x86 32-bit	Windows Server 2008
	x86 64-bit	Windows Server 2008 Windows Server 2008 R2 Windows Server 2012 Windows Server 2012 R2 Windows Server 2016