
Support Matrix Micro Focus Deployment Automation

Software version 6.3.4



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This document provides the latest system requirements and supported environments for installing and running Deployment Automation.

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System requirements

Deployment Automation runs on Windows and UNIX-based systems.

The minimum requirements are sufficient for an evaluation. For production deployments, use server-class machines.

Hardware requirements

The Deployment Automation server uses threading and takes advantage of any additional CPU cores assigned to it.

A small to mid-range server with **2 to 4 multi-core processors** is ideal. However, because you can move an existing server installation to a new machine, starting small and scaling as needed is a viable strategy.

Increase the memory for the application tier according to your server configuration.

Minimum server requirements

This table describes the minimum server installation requirements. The following configuration works for demonstration or evaluation purposes only.

Component	Minimum requirements
Processor	Single core, 1.5 GHz or higher.
Memory	4 GB or more, with 1.2 MB for Deployment Automation. In the default server configuration, the memory size is set between 2 GB and 4 GB.
Disk Space	650 MB or more.
Java version	Java JRE or JDK 11.0.12 or later; 64-bit operating system. Note: Java software is installed automatically as part of the server installation.

Recommended server configuration

The following server configuration is recommended for enterprise-level implementation.

Component	Recommended
Multiple server-class machines	For production environments with up to 10,000 agents, use a single-server installation. For installations with more than 10,000 agents, use an active-active approach to distribute the processing load of agent communication.
Database	Use a separate machine for the database.
Network	Gigabit (1000) Ethernet with low latency to the database.

Processor	2 CPUs, 2+ cores for each, with 1.5 GHz or higher for each core.
Memory	8 GB or more. For advanced memory calculations, see the Memory sizing estimates .
Disk Space and Database Storage	<p>Individual requirements depend on usage, retention policies, and application types. The amount of storage depends on the number of artifacts kept in the Deployment Automation artifact repository (CodeStation).</p> <p>Note: CodeStation is installed with the server.</p> <p>Use these guidelines to determine storage capacity for production environments:</p> <ul style="list-style-type: none"> • 10–20 GB of database storage is sufficient for most environments. • Calculate your CodeStation storage requirements: Amount of storage = average artifact size * number of versions imported per day * average number of days before cleanup • Allow for approximately 1 MB of database storage per deployment. This figure varies based on local requirements. <p>For assistance in determining storage requirements, contact Support.</p>
Java version	<p>Java JRE or JDK 11.0.12 or later; 64-bit operating system.</p> <p>Note: Java software is installed automatically as part of the server installation.</p>

Memory sizing estimates

Follow these guidelines to estimate the amount of memory for your production environment.

Memory size	Estimate
1.2 GB	Default maximum memory (heap size).
+1 GB	For every 10,000 entities (applications, snapshots, environments, components, component versions, processes, resources, or agents).
+1 GB	For every 500 components that are imported automatically on a Deployment Automation server.
+1 GB	For every 20 concurrent users.
+1 GB	For every 100 deployments daily.
+1 GB	For every 100,000 records in a deployment history. You can discount records for the applications and components that are no longer in use.

Minimum agent requirements

Designed to be minimally intrusive, agents require this minimum system configuration:

Component	Requirements
Processor	An idle agent uses about 5 MHz of CPU. Additional requirements depend on the processes the agent will run.
Disk Space	100 MB.
Memory	256 MB. Recommended: 768 MB.
Java version	Java JRE or JDK 1.8.0_265 or later; 64-bit operating system.

Minimum agent relay requirements

For agent relays, use this minimum configuration:

Component	Requirements
Processor	Single core, 1.5 GHz or higher.
Disk Space	100 MB.
Memory	512 MB for up to 1000 agents connected through an agent relay. +400 MB for every next 1000 agents.
Java version	Java JRE or JDK 11.0.12 or later; 64-bit operating system.

✓ **Certified** indicates that this is the primary test platform. The platform functions normally, and any found defects will be fixed.

Operating systems

The following table lists operating systems supported by this version of Deployment Automation.

Operating system	Version	Certified	Server	Agent	Comments
MS Windows Server	2019	✓	✓*	✓*	
	2016	✓	✓*	✓*	
macOS	X 10.x				Client (web only)
AIX	7.2 64-bit, PowerPC		✓**	✓**	
Solaris	Solaris 11, 64-bit, SPARC	✓		✓	
	Solaris 11, 64-bit, Intel	✓		✓	
CentOS	8, 64-bit		✓*	✓*	
	7, 64-bit	✓	✓*	✓*	
Red Hat Enterprise Linux	8.x, 64-bit	✓	✓*	✓*	
	7.x, 64-bit		✓*	✓*	
SUSE Linux	ES 15, 64-bit	✓	✓*	✓*	
	ES 12, 64-bit		✓*	✓*	
	ES 12, 64-bit, Itanium		✓*	✓*	
HP-UX	11.31, 64-bit, Itanium			✓	Command-line installation only
Ubuntu	18 64-bit	✓	✓*	✓*	
IBM z/OS	2.5, 2.4			✓*	

* Must meet O/S version and Java dependency versions. For details, see vendor websites.

** Must meet IBM OS / Java version dependencies. For supported versions, see the [IBM documentation](#).

✓ **Certified** indicates that this is the primary test platform. The platform functions normally, and any found defects will be fixed.

Databases

The following table lists databases supported by this version of Deployment Automation.

Database	Version	Certified
MS SQL Server	2019	✓
	2017	
	2016 SP1, 64-bit, Enterprise / Standard	
	2014 SP1, 64-bit, Enterprise / Standard	
	2012 SP1, 64-bit, Enterprise / Standard	
	2012 SP1 Enterprise / Standard	
Oracle	19c	✓
	18c	✓
	12.x Enterprise Edition	
	11.2	
PostgreSQL	13.2	✓
	12.x	

Application servers

The following application servers are required for this version of Deployment Automation.

Application server	Version	Certified	Comments
Apache Tomcat	9.0	✓	Included in server installation.

✓ **Certified** indicates that this is the primary test platform. The platform functions normally, and any found defects will be fixed.

Java technologies

The following Java software is supported with this version of Deployment Automation.

Software	Version	Certified	Server and agent relay	Agent	Comments
Azul Systems JRE	JRE 11	✓	✓	✓	Included in server/agent installation.
	JRE 8, 64-bit			✓	
Oracle JRE	JRE 11		✓		
	JRE 1.8, 64-bit			✓	

Server upgrade

The following versions of Deployment Automation servers can be upgraded to this version.

Server version	Certified	Supported	Comments
Deployment Automation 6.3.3	✓		
Deployment Automation 6.3+		✓	
Deployment Automation 6.0–6.2+			Contact Support for assistance.
Deployment Automation 5.0.x–5.1.x			Contact Support for assistance.
Release Automation 4			Contact Support for available options.

For details on upgrading servers to the latest version, see [Upgrade servers](#).

Agent upgrade

The following versions of Deployment Automation agents can be upgraded to this version.

Server version	Certified	Supported	Comments
Deployment Automation 6.0–6.3.3	✓		Java 8 agents.
Deployment Automation 5.x		✓	Java 7 agents. Direct upgrade isn't supported. For upgrade details, contact Support .
Deployment Automation 4.5.1		✓	Java 6 agents. Direct upgrade isn't supported. For upgrade details, contact Support .

Integrations

For a list of integrations with other Micro Focus products, see the [Deployment Automation Integrations Matrix](#).

For information about third-party integrations provided by Deployment Automation, see the following links:

- [Plugins overview](#)
- [Integrations overview](#)

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