

IBM UrbanCode Deploy V7.0.2 adds efficient Safe Edit feature to increase speed of testing and acceptance of application deployment processes

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At a glance

IBM^(R) UrbanCode^(R) Deploy V7.0.2 offers:

- Safe Edit feature to improve the speed of testing and acceptance of new and updated application deployment processes
- Enhancements for deploying applications to IBM Z^(R)
- Updates to Heat and Terraform^(R) capabilities of UrbanCode Deploy BluePrint Designer
- Several foundational updates and RFEs

Overview

UrbanCode Deploy delivers product scalability and capabilities for enterprises that are rapidly advancing their IT transformation. As a DevOps tool, UrbanCode Deploy is well suited for startup agile teams that create apps, as well as for large regulated industries that work on complex systems that require governance and traceability.

Version 7.0.2 brings:

- New Safe Edit feature to safely test process changes in your production UrbanCode Deploy environment. This enables your teams to bypass long promotion processes that can take weeks to complete. This efficiency is ideal when you need to make a change quickly but do not have the time to complete a full-testing cycle. Learn more about the UrbanCode Deploy Safe Edit capability in [IBM Knowledge Center](#).
- Support for Java™ 11.
- Upgraded Groovy to version 2.4.15.
- Capability to define the maximum number of concurrent jobs in application templates. Learn about application templates in [IBM Knowledge Center](#).
- Updates to the user interface.
- UrbanCode Deploy for z Systems^(R) enhancements:
 - Inventory View enables the user to select a component within an application's environment to view the component versions that contain a specific file. The user can revert to any previous version.

- Runtime Delta Deploy enables the user to deploy only changed data set members to the target (the delta is determined based on the target environment).
- Mainframe CPU overhead optimization can now be applied to key plug-in steps.
- UrbanCode Deploy Cloud Blueprints updates:
 - Blueprint Designer and Heat plug-in compatibility with current OpenStack release (Rocky) and VMware vRealize Automation
 - Capability to discover and design Terraform modules from Git or the Terraform module registry
 - Enhancements to provisioned environment to view Terraform resource details, inputs, and outputs
 - Capability to design Cloud Automation Manager (CAM) templates by using shared parameters and CAM tags
- UrbanCode Deploy Server Containerization updates:
 - Capability to run the UrbanCode Deploy server container as a non-root user
 - Permission for nonsecure connections to the UrbanCode Deploy server that run in a container
 - Improved connections to IBM DB2^(R) for z Systems and MariaDB databases
- Additions and improvements to plug-ins:
 - WAS-Configure plug-in
 - Smart compare features in the live comparison functionality
 - Capability to ignore property object by name and specific configuration object attributes during compare processing
 - Partial apply support for the following configuration objects:
 - JMSProvider
 - JavaProcessDef
 - MQTopicConnectionFactory
 - MQConnectionFactory
 - WASQueueConnectionFactory
 - MQTopic
 - GenericJMSConnectionFactory
 - WASTopic
 - GenericJMSDestination
 - WASTopicConnectionFactory
 - WASQueue
 - IBM InfoSphere^(R) Information Services Director
 - HP Load Runner
 - HCL OneTest

See the [UrbanCode Deploy plug-ins](#) page for more details.

Key requirements

UrbanCode Deploy supports the Red Hat Enterprise Linux^(R) (RHEL) Server 6 x86-64 operating system.

For details, see the [Hardware requirements](#) and the [Software requirements](#) sections.

Planned availability date

February 5, 2019

Accessibility by people with disabilities

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the [Product accessibility information](#) website.

Reference information

For more information about UrbanCode Deploy, see Software Announcement [ZP18-0549](#), dated September 25, 2018.

Program number

Program number	VRM	Program name
5725-M54	7.0.2	IBM UrbanCode Deploy

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage^{\(R\)} and Passport Advantage Express^{\(R\)}](#) website.

Publications

None

Services

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Technical information

Specified operating environment

Hardware requirements

Disk space: 300 MB, or more.

Memory: The server process needs a static 2 GB of available RAM. Extra memory is required for each agent. This means that the sum of 2 GB RAM and 4 MB multiplied by 800 agents is equal to approximately 5 GB RAM.

Network adapters, drivers, and protocols: 1000 GB required. Ethernet with low latency to the database.

Processor: The server needs approximately double the CPU capacity of a relay. Given the number of agents (800) and two cores per 500 agents on the relay, the recommendation is an 8-core machine available for the server.

Storage hardware: Individual requirements depend on usage, retention policies, and application types. In general, the number of artifacts stored in UrbanCode

Deploy's artifact repository (CodeStation) is directly proportional to the storage required.

Note: CodeStation is installed when the deploy server is installed.

For production environments, 10 - 20 GB of database storage is sufficient for most environments.

To calculate the CodeStation storage requirements: Use the average artifact size multiplied by the number of versions that are imported per day, multiplied by the average number of days before cleanup. Approximately 1 MB per deployment of database storage is required. It varies based on local requirements.

Software requirements

AIX^(R)

- AIX 6.1 TL7 POWER^(R) System
- AIX 7.1 TL3 POWER System
- AIX 7.1 POWER System
- AIX 6.1 POWER System

HP

- HP-UX 11i v3 PA-RISC
- HP-UX 11i v3 IA64

IBM i

- IBM i 7.1 POWER System

Linux

- CentOS 7 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 x86-64
- Ubuntu 14.04 LTS POWER System - Little Endian
- Red Hat Enterprise Linux (RHEL) 5 Server IBM z Systems^(R)
- SUSE Linux Enterprise Server (SLES) 11 POWER System - Big Endian
- Red Hat Enterprise Linux (RHEL) Server 7 x86-64
- SUSE Linux Enterprise Server (SLES) 12 IBM z Systems
- Red Hat Enterprise Linux (RHEL) Server 6 IBM z Systems
- Red Hat Enterprise Linux (RHEL) Server 7 IBM z Systems
- Ubuntu 10.04 LTS x86-32
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 POWER System - Big Endian
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- Debian 7.0 x86-32
- Red Hat Enterprise Linux (RHEL) Server 7 x86-64
- Red Hat Enterprise Linux (RHEL) Server 7.1 POWER System - Little Endian
- Red Hat Enterprise Linux (RHEL) Server 7 IBM z Systems
- SUSE Linux Enterprise Server (SLES) 11 SP3 POWER System - Big Endian
- CentOS 6.0 x86-64
- SUSE Linux Enterprise Server (SLES) 11 x86-32

Mac OS

- OS X Mountain Lion 10.8 x86-64

- Mac OS X Snow Leopard 10.6 x86-32

Solaris

- Solaris 10 x86-32
- Solaris 10 SPARC
- Solaris 11 x86-64
- Solaris 11 SPARC
- Solaris 10 x86-64

Windows™

- Windows Server 2016 Datacenter Edition x86-64
- Windows Server 2012 Datacenter Edition x86-64
- Windows Server 2008 Datacenter Edition x86-64
- Windows Server 2012 R2 Datacenter Edition x86-64
- Windows Server 2008 R2 Service Pack 1 Enterprise Edition x86-64
- Windows Server 2008 Standard Edition x86-32
- Windows Server 2008 R2 Service Pack 1 Datacenter Edition x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows 10 Pro x86-64
- Windows Server 2012 R2 Standard Edition x86-64
- Windows Server 2008 Standard Edition x86-64
- Windows Server 2012 Foundation Edition x86-64
- Windows Server 2012 Essentials Edition x86-64

z/OS^(R)

- z/OS 2.1 IBM z Systems
- z/OS 2.2 IBM z Systems

Planning information

Packaging

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Passport Advantage

No new parts.

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Program name	PID number	License Information document number
IBM UrbanCode Deploy	5725-M54	L-NMAN-B77LWT

Select your language of choice and scroll down to the Charge Metrics section.

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Program identifier	License Information document title	License Information document number
5725-M54	IBM UrbanCode Deploy V7.0.1	L-NMAN-B77LWT

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Yes

Limited warranty

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Volume orders (IVO)

No

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Variable charges apply

No

Educational allowance available

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Statement of good security practices

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Corrections

(Corrected on March 8, 2019)

Revised Overview section.