IBM UrbanCode Deploy V6.2.1 delivers support to the enterprise for DevOps and continuous delivery

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At a glance

IBM UrbanCode™ Deploy V6.2.1 adds support for new enterprise platforms and enhances the capabilities needed for a faster time to market.

- Enhances deployment capabilities to multiple cloud and virtualized environments.
- Strengthens its capabilities for deployment to on-premises environments, with capabilities that onboard new teams and applications faster and easier.
- Enhances integrations and usability for distributed platforms and mainframe teams.

Overview

IBM UrbanCode Deploy gives organizations the tools needed to automate the application deployment pipeline. UrbanCode Deploy can facilitate faster deployments with fewer errors. It enables teams to deploy as often as required -- on demand, on a schedule, and with self-service -- while shortening time to market.

UrbanCode Deploy orchestrates and automates the deployment of applications, databases, and configurations into development, test, and production environments; and helps to drive down cost and speed time to market with reduced risk.

Version 6.2.1 of UrbanCode Deploy offers more support options and new features to help you progress towards DevOps and continuous delivery, while taking advantage of the benefits of hybrid cloud.

DevOps helps transform businesses

For the enterprise, DevOps means gaining the speed of a start-up and the results for the enterprise due to the adoption of agile and LEAN software delivery practices. Transforming software delivery means having resources for innovation with real business outcomes through faster release cycles with better quality.

Hybrid cloud strengthens business agility and innovation

A hybrid cloud is the connection of one or more clouds to on-premises systems or the connection of one or more clouds to other clouds. The benefits are multifold:

1. Maximize asset utilization by using cloud resources as demand dictates.
3. Isolate workloads and critical systems that must be kept close with private cloud.
4. Take advantage of high availability and resiliency through cloud infrastructures.
5. Introduce new functions quickly by focusing on development and test activities, not environment setup.

UrbanCode Deploy V6.2.1 provides the capabilities you need to expand the use of deployment automation in your organization. Version 6.2.1 continues to simplify the onboarding process, and provides the security and functionality that mainframe teams require. In addition, version 6.2.1 offers new plug-ins that automate deployment and automation steps with many integrating products.

**Key prerequisites**

UrbanCode Deploy supports Red Hat Enterprise Linux™ (RHEL) Server 6 x86-64.

Refer to the Hardware requirements and the Software requirements sections.

**Planned availability date**

February 25, 2016

**Description**

UrbanCode Deploy V6.2.1 delivers:

- Enhancements to Application Templates. Design once and reuse many times to enforce standards across an organization and facilitate the onboarding of new teams and applications.
- Support for DB2™ on System z®. UrbanCode Deploy expands its enterprise database support for mainframe customers.
- Enhancements for deployments to the mainframe. These enhancements include support for DB2 on z/OS®.
- Numerous new and updated plug-ins. UrbanCode features the capability to integrate with many popular IBM® software products, Open Source software, and partner-supported software. The UrbanCode plug-ins make preproduction testing closer to the actual production environment to improve quality and reduce risk of problems found in production.
- Improved support for WebSphere® Application Server deployments and configuration. New design for the WAS plug-ins improves performance and usability.
- Enhanced Docker integrations. New and improved integrations include:
  - Cognos®
  - Siebel
  - Informatica
  - ServiceNow
  - Docker enhancements
  - IBM AppScan® Enterprise
  - IBM Aspera®
  - IBM BigFix®
  - Websphere MQ
  - IBM DataPower®
  - IBM Webseal
  - IBM DataStage®
Program number

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<td>5725-M54</td>
<td>6.2.1</td>
<td>IBM UrbanCode Deploy</td>
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Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage® and Passport Advantage Express® website.

Publications

Technical documentation can be found in IBM Knowledge Center.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, go to the IBM Software Services website.

Technical information

Specified operating environment

Hardware requirements

Disk space: 300 MB, or more.

Memory: The server process needs a static 2 GB of RAM available, plus extra memory it would need 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, Ethernet with low latency to the database.

Processor: The server needs approximately double the CPU capacity of a relay, so given the number of agents (800) and 2 core 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 larger number of artifacts kept in UrbanCode Deploy's artifact repository (CodeStation), the more storage needed.

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

For production environments, 10-20 GB of database storage should be sufficient for most environments. To calculate CodeStation storage requirements, average artifact
size times the number of versions imported per day times the average number of
days before cleanup. Approximately 1 MB per deployment of database storage. It
varies based on local requirements.

**Software requirements**

**Supported operating systems**

AIX®

- AIX 6.1 TL7 POWER® System - Big Endian
- AIX 7.1 TL1 POWER System - Big Endian
- AIX 7.1 TL2 POWER System - Big Endian
- AIX 7.1 POWER System - Big Endian
- AIX 7.1 POWER System - Big Endian
- AIX 6.1 POWER System - Big Endian
- AIX 7.1 TL3 POWER System - Big Endian
- AIX 7.1 POWER System - Big Endian
- AIX 6.1 TL7 POWER System - Big Endian

HP

- HP-UX 11i v1 PA-RISC
- HP-UX 11i v2 IA64

Linux

- SUSE Linux Enterprise Server (SLES) 11 POWER System - Big Endian
- SUSE Linux Enterprise Server (SLES) 10 x86-64
- Red Hat Enterprise Linux (RHEL) 5 Advanced Platform x86-64
- SUSE Linux Enterprise Server (SLES) 11 x86-32
- Red Hat Enterprise Linux (RHEL) Server 6 IBM z Systems™
- Red Hat Enterprise Linux (RHEL) 5 Advanced Platform IBM z Systems
- SUSE Linux Enterprise Server (SLES) 10 x86-32
- Red Hat Enterprise Linux (RHEL) 5 Server x86-64
- Red Hat Enterprise Linux (RHEL) 5 Server IBM z Systems
- Red Hat Enterprise Linux (RHEL) Server 6 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 IBM z Systems
- Red Hat Enterprise Linux (RHEL) 5 Server x86-64
- Red Hat Enterprise Linux (RHEL) 5 Advanced Platform IBM z Systems
- Red Hat Enterprise Linux (RHEL) 5 Advanced Platform x86-64
- Red Hat Enterprise Linux (RHEL) 5 Server IBM z Systems
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 x86-64
- SUSE Linux Enterprise Server (SLES) 11 SP3 POWER System - Big Endian

Mac OS

- Mac OS X Snow Leopard 10.6 x86-64
- OS X Lion 10.7 x86-64
- Mac OS X Snow Leopard 10.6 x86-32
- OS X Mountain Lion 10.8 x86-64

Mobile OS
- iOS 6
- Android 4.2

Solaris
- Solaris 10 Update 5 x86-64
- Solaris 10 Update 4 SPARC
- Solaris 10 SPARC
- Solaris 11 SPARC
- Solaris 10 SPARC
- Solaris 11 x86-64
- Solaris 10 x86-32
- Solaris 9 SPARC
- Solaris 10 x86-64
- Solaris 10 x86-64
- Solaris 10 Update 4 x86-64
- Solaris 11 Update 1 SPARC
- Solaris 11 SPARC
- Solaris 10 Update 5 SPARC

Windows™
- Windows Server 2008 Standard Edition x86-32
- Windows Server 2003 Standard Edition x86-64
- Windows Server 2003 Enterprise Edition x86-32
- Windows Server 2003 Enterprise Edition x86-64
- Windows Server 2012 Essentials Edition x86-64
- Windows Server 2012 Foundation Edition x86-64
- Windows Server 2008 Standard Edition x86-64
- Windows Server 2012 Standard Edition x86-64
- Windows Server 2008 R2 Service Pack 1 Enterprise Edition x86-64

z/OS
- z/OS 1.9 IBM z Systems
- z/OS 1.13 IBM z Systems
- z/OS 1.12 IBM z Systems

The program’s specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

Packaging
UrbanCode Deploy

Ordering information
Product: Urban Code Deploy V6.2

**Passport Advantage**

### Charge metric

<table>
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<tr>
<th>Program name</th>
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<th>Charge unit description</th>
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<td>IBM UrbanCode Deploy Server Agent</td>
<td>5725-M54</td>
<td>Per Managed Virtual Server</td>
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<tr>
<td>IBM UrbanCode Deploy Server Agent</td>
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<td>Per Virtual Server</td>
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**Processor Value Unit (PVU)**

Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU Table by Processor Vendor, Brand, Type and Model Number) and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. For example, a dual-core processor chip has two processor cores.

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (see web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules.

An activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

**Notes:**

- Some programs may require licenses for the program and what is being managed. In that case, the following applies: In addition to the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores for the systems on which the resources managed or processed by the program reside.
- Some programs may be licensed on a managed basis only. In that case, the following applies: Instead of the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores for the systems on which the resources managed or processed by the program reside.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies: Rather than obtaining entitlements for the activated processor cores available to the program, Licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

**Virtual Server**

Virtual Server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical
device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. A Virtual Server is either a virtual computer created by partitioning the resources available to a physical server or an unpartitioned physical server. Licensee must obtain Virtual Server entitlements for each Virtual Server made available to the program, regardless of the number of processor cores in the Virtual Server or the number of copies of the program on the Virtual Server.

**Managed Virtual Server**

Managed Virtual Server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. A Virtual Server is either a virtual computer created by partitioning the resources available to a physical server or an unpartitioned physical server. Licensee must obtain Managed Virtual Server entitlements for each virtual server managed by the program.

**Simultaneous Session**

Simultaneous Session is a unit of measure by which the program can be licensed. A session is an active file transfer or other active communications connection between the program running on one physical or virtual computer and any software running on another physical or virtual computer. Licensee must obtain entitlements sufficient to cover the highest number of sessions that are or have been simultaneously in existence across all instances or copies of the program.

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The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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This software license includes Software Subscription and Support (also referred to as Software Maintenance).

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These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as
access to updates, releases, and versions of the program as long as support is in effect.

License Information number

L-PASH-A5BPMW

See the License Information documents page on the IBM Software License Agreement website for more information.

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information about known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, see the IBM Software Support Handbook.

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

This technical support allows you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

No
Passport Advantage applies

Yes, information is available on the Passport Advantage and Passport Advantage Express website.

Software Subscription and Support applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the Passport Advantage and Passport Advantage Express website.

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.
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**Prices**

**Business Partner information**

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