IBM UrbanCode Deploy V6.2.2 offers improved application deployment automation for enterprises that strive towards continuous delivery in a hybrid cloud environment

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At a glance

UrbanCode™ Deploy V6.2.2 delivers:

- Improved usability for deployment process development
- Enhancements to full-stack provisioning
- Improved mainframe deployment management
- Improved support for middleware configuration management
- Numerous, new integrations
- A new UrbanCode Open Development Community for plug-ins

Overview

DevOps is an enterprise capability for continuous software delivery that enables clients to seize market opportunities and reduce time between client feedback. UrbanCode Deploy provides continuous software release and deployment capability, a must for continuous delivery.

This release of UrbanCode Deploy provides new capabilities organizations need to reap the benefits of hybrid cloud while continuing to pursue continuous delivery.

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

- Maximize asset utilization by using cloud resources as demand dictates.
- Help with cost efficiency by reducing capital expenditures.
- Ensure isolation for workloads and critical systems that must be kept close with private cloud.
- Take advantage of high availability and resiliency through cloud infrastructures.
- Deliver new functionality quickly by focusing on development and test activities, not environment set up.

UrbanCode Deploy V6.2.2 includes improved usability and extensibility that will help ease adoption of application release automation in the enterprise.
Key prerequisites

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

Refer to the Hardware requirements and the Software requirements sections.

Planned availability date

September 20, 2016

Description

**UrbanCode Deploy V6.2.2**

- Improved usability for deployment process development. The UrbanCode Deploy Process Editor lets clients specify which steps UrbanCode Deploy should follow when deploying a component or application.
  - Enhancements include making the step palette easier to navigate.
  - Allows addition of steps quickly without specifying properties until later. When the clients drop steps into the diagram, a new Auto Layout feature will automatically lay out the diagram. If a step has any script, clients can now open that script from the property dialog in a large Script Editor with syntax coloring and search-replace.
  - Can apply the new auto layout capability to process layouts from earlier versions of UrbanCode Deploy and revert to the original layout if desired.
- Enhancements to full-stack provisioning. Application processes can now be executed from an UrbanCode Deploy Cloud blueprint to provision Windows™ or Linux VMs operating systems on multiple clouds (with or without cloud-init):
  - Specify an application process on a new resource type to override component process execution.
  - Map the components into the resource tree; optionally specify an application snapshot to be used to leverage versions, properties, and so on.
- Key deployment metrics. With UrbanCode Deploy V6.2.2, start monitoring key deployment metrics through integrations with applications, such as New Relic or IBM® Application. Key metrics cover agents, individual components and applications, and also component summary metrics.
- New vRealize Automation (vRA) integration from Cloud Blueprints. The UrbanCode Deploy Blueprint Designer now provides integration with vRA.
  - Create a cloud blueprint in UrbanCode Deploy that incorporates vCenter Iaas constructs that are managed through vRA, which includes virtual machine templates and network profiles.
  - Additionally, add in vRA software components and UrbanCode Deploy software components to create a full-stack blueprint that can be executed through UrbanCode Deploy to create and deploy a vRA blueprint.
  - Manage the created resources from vRA in UrbanCode Deploy to view environment status and delete the environment in vRA when no longer needed.
- Mainframe deployment management improvements. For mainframe, UrbanCode Deploy can now manage the deployment of both MVS™ data sets and hierarchical file system (HFS) files in a single component version. This makes it easier to deploy applications with both types of artifacts, for example CICS® Web Services.
- Improved support for middleware deployments and configuration management.
  - With the updated WebSphere® Application Server plug-ins (Deploy, Configure, Install), UrbanCode Deploy includes updated and improved repeatable
deployments to WebSphere Application Server. This allows clients to capture, apply, and compare WebSphere Application Server Configuration, and migrate captured configurations to a new version of WebSphere Application Server. See the plug-in documentation for more details.

- Support for WebSphere Application Server Liberty Collectives was added to UrbanCode Deploy IBM WebSphere Liberty plug-in (see plug-in documentation for details).
- Delivers new configuration management for Microsoft™ Internet Information Server (IIS).

- Numerous new integrations (plug-ins). For more details, see plug-ins.
  - The new plug-in for Jenkins Pipeline adds support for:
    -- Creating components
    -- Invoking UrbanCode Deploy component imports
    -- Running steps multiple times in a single job
    -- Deploying snapshots or component versions
    -- Making compatible with Jenkins Pipeline DSL
  - New API Management plug-in
  - Improved Docker Compose plug-in
  - New ODM source plug-in and support for deploying RuleApps remotely with the existing plug-in
  - Improved Artifactory plug-in:
    -- Improved governance and metadata exchange
    -- Improved handling of Maven snapshots
  - Improved Cloud Foundry plug-in with improved support for manifest deployments and managing User Provided Services

A new Open Development Community for UrbanCode plug-ins that is available on Git Hub. UrbanCode enthusiasts can learn about coding new plug-ins and if desired, contribute plug-ins to the community or just see what others are doing. Through this new community, clients and partners can contribute content, such as:

- Component-application templates and processes
- Onboarding scripts
- Post-processing scripts
- Reference architectures and best practices
- Requests for community developed plug-ins

For details, go to Development Community.

**Accessibility by people with disabilities**

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be found on the IBM™ Accessibility website.

### Program number

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<th>Program number</th>
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<tr>
<td>5725-M54</td>
<td>6.2.2</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**

**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 RAM available and any additional memory that would be required for each agent.

**Software requirements**

**AIX**

- AIX 7.1 TL3 POWER System - Big Endian
- AIX 6.1 POWER System - Big Endian
- AIX 7.1 POWER System - Big Endian
- AIX 6.1 TL7 POWER System - Big Endian

**HP**

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

**Linux**

- Red Hat Enterprise Linux (RHEL) Server 6 IBM z Systems
- Red Hat Enterprise Linux (RHEL) Server 6.7 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 POWER System - Big Endian
- Red Hat Enterprise Linux (RHEL) 5 Advanced Platform IBM z Systems
- Red Hat Enterprise Linux (RHEL) Server 6.6 x86-64
- SUSE Linux Enterprise Server (SLES) 11 POWER System - Big Endian
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- Ubuntu 14.04 LTS POWER System - Little Endian
- Red Hat Enterprise Linux (RHEL) 5 Server x86-64
- Red Hat Enterprise Linux (RHEL) 5 Server IBM z Systems
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- SUSE Linux Enterprise Server (SLES) 10 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6.5 x86-64
• Ubuntu 10.04 LTS x86-32
• Red Hat Enterprise Linux (RHEL) Server 6 x86-64
• Red Hat Enterprise Linux (RHEL) Server 7 x86-64
• Red Hat Enterprise Linux (RHEL) Server 7 IBM z Systems
• Red Hat Enterprise Linux (RHEL) Server 6.4 x86-64
• Red Hat Enterprise Linux (RHEL) Server 7 x86-64
• SUSE Linux Enterprise Server (SLES) 12 IBM z Systems
• Debian 7.0 x86-32
• Red Hat Enterprise Linux (RHEL) Server 6.4 x86-64
• Red Hat Enterprise Linux (RHEL) 5 Advanced Platform x86-64
• CentOS 6.0 x86-64
• SUSE Linux Enterprise Server (SLES) 11 x86-32
• SUSE Linux Enterprise Server (SLES) 11 SP3 POWER System - Big Endian

**Mac OS**

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

**Solaris**

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

**Windows™**

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

**z/OS®**

• z/OS 2.2 IBM z Systems
• z/OS 2.1 IBM z Systems
• z/OS 1.13 IBM z Systems

**Supporting program details**

**IBM DB2®**

• Entitlement: No Metric
• Use Limitations: Use by Principal Program
"No Metric" means this Supporting Program may be installed on as many machines and used by as many persons as is reasonably necessary within the use limitations that apply to this Supporting Program.

"Use by Principal Program" means that the Supporting Program is provided exclusively for use by the Principal Program. Neither Licensee nor any application, program or device is authorized to directly use or access the services of the Supporting Program except Licensee may access the Supporting Program to perform administrative functions for the Supporting Program such as backup, recovery and authorized configuration.

Additional Supporting Program details

The Supporting Program may use a maximum of 16 processor cores and 128 GB of memory on each physical or virtual server; however, if the Supporting Program is used on a cluster of servers configured to work together using database partitioning or other permitted clustering technology, the Supporting Program may use a maximum of 16 processor cores and 128 GB of memory across all virtual or physical servers in that cluster.

Prohibited components and supporting programs of IBM DB2:

- pureScale™ clustering technology
- SQL Replication
- Q Replication
- DB2 Connect™
- SQL Warehousing Tool (SQW)
- IBM InfoSphere® Data Architect 9.1.3
- IBM InfoSphere Data Replication 11.3.3 (CDC component)
- IBM Cognos® Analytics 11.0
- IBM WebSphere® Application Server 8.5.5
- IBM WebSphere MQ 8.0

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 V6.2.2

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the Passport Advantage website.

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<td>Per Managed Virtual Server</td>
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<td>IBM UrbanCode Deploy Server Agent</td>
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<td>Simultaneous Session</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.

1 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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### License Information number

L-PASH-ABYNM2
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.

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### 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.

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### Volume orders (IVO)

No

### Passport Advantage applies

No

### Software Subscription and Support applies

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**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Education allowance does not apply. Education software allowance does not apply.

**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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