IBM UrbanCode Velocity V1.1 expands on quantifying the impact of DevOps adoption and other process improvements and orchestrates dev/test pipelines to help teams achieve high-velocity, high-quality software releases

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At a glance

IBM UrbanCode Velocity V1.1:

- Provides DevOps transformation leaders with visibility into dev-to-prod cycle times, deployment volumes, and other analytics across the teams and applications in their portfolio. They can identify process bottlenecks and pair high-performance teams with those that need help to drive culture change throughout their organization.
- Streamlines development/delivery workflow, displaying all application, service, and microservice pipelines in a single view. UrbanCode Velocity supports various commercial and open source build systems, deployment engines, and testing tools. It can automatically progress releases through various stages of integration, security, and performance testing.
- Enables development teams and release managers to support high-velocity DevOps releases. It automates the software release process with templatized release processes that handle interaction with change control systems and ITIL tooling. Implementation plans provide real-time velocity into release activity.

Overview

IBM UrbanCode Velocity V1.1 may be deployed into a local data center or in a public cloud of your choosing. Built for the cloud, it has native support for Kubernetes and Docker Compose, with HA built in. UrbanCode Velocity runs in IBM Cloud Private, OpenShift, and other environments.

Supported integrations:

- IBM UrbanCode Deploy
- Jenkins Pipelines and Freestyle jobs
- ServiceNow
- Atlassian Jira

DevOps metrics:

- View cycle time and other DevOps metrics to see the impact of DevOps adoption and identify bottlenecks.
Generate a single audit report that details approval and deployment information for a specific timeframe and set of applications.

Pipeline orchestration:

- View pipelines composed from a variety of builds, continuous delivery, and deployment automation tools.

Release management:

- Release templates: Streamline delivery and enable self-service with templates that define automated and manual deployment steps and approvals.
- Release actions in real time: Task status is always available. Deployment status alerts notify you when deployments fall behind schedule.
- Notifications and approvals: Comprehensive views of release status are sent to stakeholders at regular intervals. Approve by email, or wait for approvals defined in change tracking systems.
- Leverage existing toolchains: Automatically open, update, and close change requests with ServiceNow. Integrate pipelines from Jenkins and UrbanCode Deploy. Automatically link stories and defects from Jira.

Benefits:

- Speed delivery: Reduce overhead and release more often while lessening release risk and maintaining release quality.
- Empower teams: A self-service model allows project teams to deliver at their own pace with automatic verification of quality targets and compliance with corporate standards.
- Gain insight: A single view across applications and services, teams, platforms, and tools helps the delivery team anticipate issues and make timely decisions.

Key prerequisites

Runtime environment:

- Docker Community Edition (CE) 18.03, and later versions, releases, modification levels, and fix packs
- Docker Enterprise Edition (EE) 18.03, and later versions, releases, modification levels, and fix packs
- Helm, all versions and fix packs
- Kubernetes 1.9.3, and later versions, releases, modification levels, and fix packs

For details, see the Hardware requirements and the Software requirements sections.

Planned availability date

November 16, 2018

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 IBM UrbanCode Velocity, see Software Announcement 218-311, dated June 19, 2018.
Program number

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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(R) and Passport Advantage Express(R) website.

Publications

Technical documentation can be found in IBM Knowledge Center.

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Technical information

Specified operating environment

Hardware requirements

- Disk space: 8 GB of space for MongoDB
- Memory: Minimum 8 GB of memory
- Network (adapters, drivers, protocols): Gigabit (1000) Ethernet with low latency to the database
- Processor: Minimum 2 CPU cores

Software requirements

- Databases: MongoDB Enterprise Edition 3.2 and fix packs
- Data sources:
  - Atlassian Jira 6.4, and later versions, releases, modification levels, and fix packs
  - IBM UrbanCode Deploy V6.2, and later versions, releases, modification levels, and fix packs
  - Jenkins, all versions, releases, modification levels, and fix packs
- Runtime environment:
  - Docker Community Edition (CE) 18.03, and later versions, releases, modification levels, and fix packs
- Docker Enterprise Edition (EE) 18.03, and later versions, releases, modification levels, and fix packs
- Helm, all versions and fix packs
- Kubernetes 1.9.3, and later versions, releases, modification levels, and fix packs

Notes for runtime environment: Required when installing in Kubernetes.

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