



Let's create a better software delivery experience



IBM DevOps portfolio

IBM DevOps for Cloud Paks

UrbanCode Deploy

Rational Test

UrbanCode
Velocity



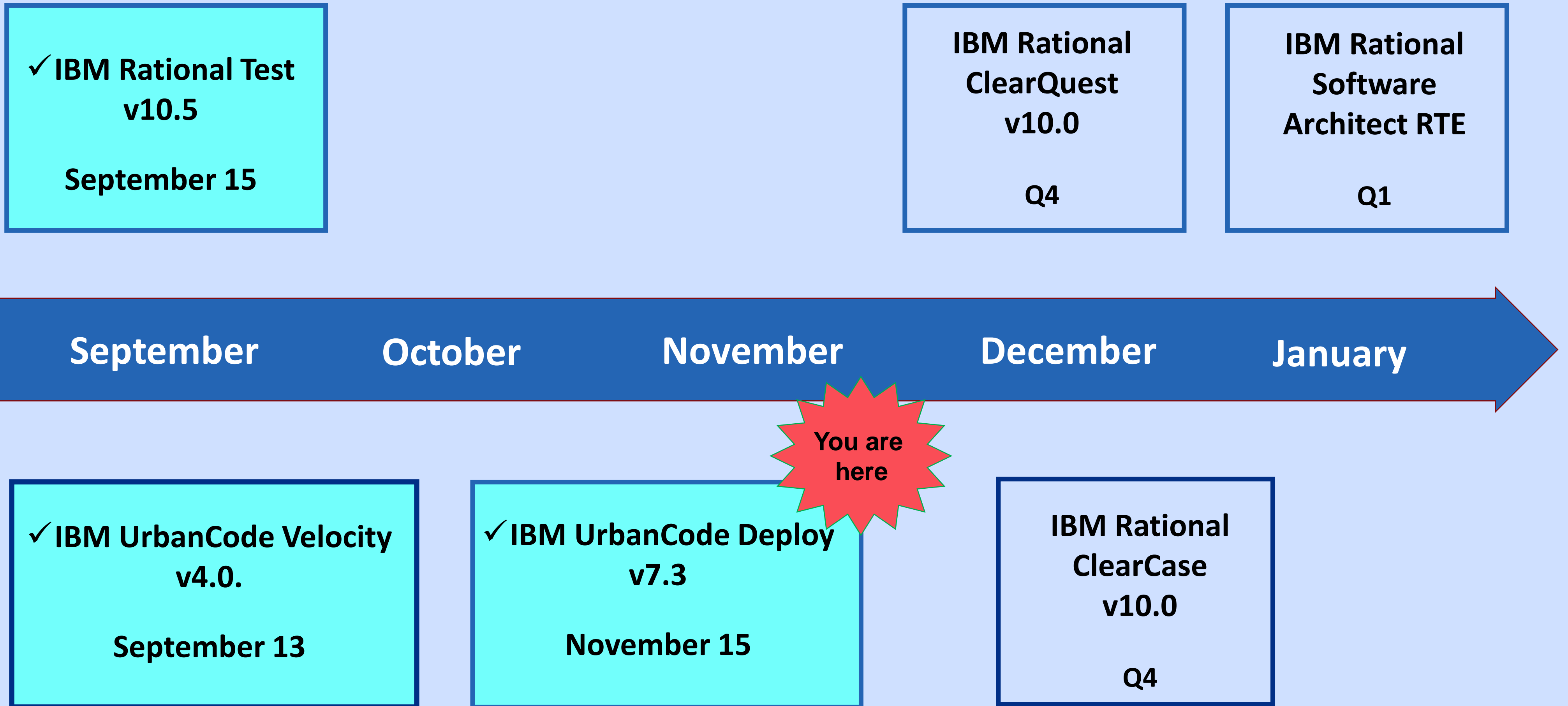
Rational Software Architect

Rational ClearQuest

Rational Application
Developer

Rational ClearCase

IBM DevOps Product Releases





IBM DevOps

What's new in **IBM UrbanCode Deploy**

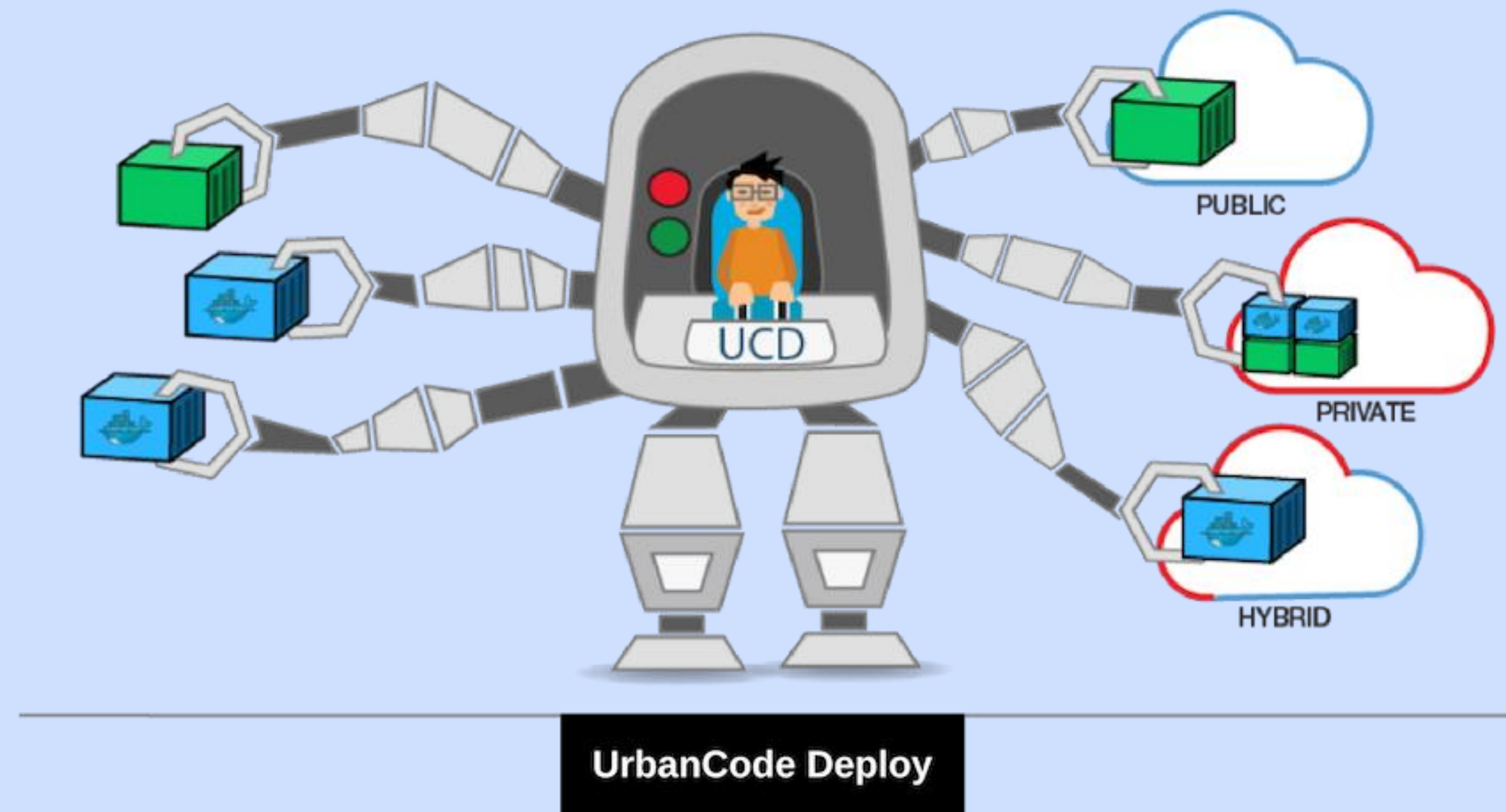
"Very easy and strong code deployment tool"

"Very easy to use and understand with powerful features." – G2 review

Agenda

- Short introduction to IBM UrbanCode Deploy
- New Features with Use Cases
 - Application Pipeline
 - Webhooks
 - Cleanup Configuration
 - Java Management
 - Secret Stores

Deploy any application anywhere with governance



IBM UrbanCode Deploy Capabilities

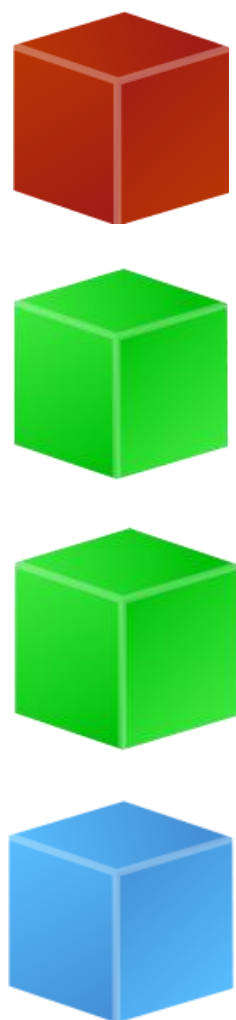
Intuitive and Scalable Deployment Automation

Tracked & Recorded by UCD

Complex Applications

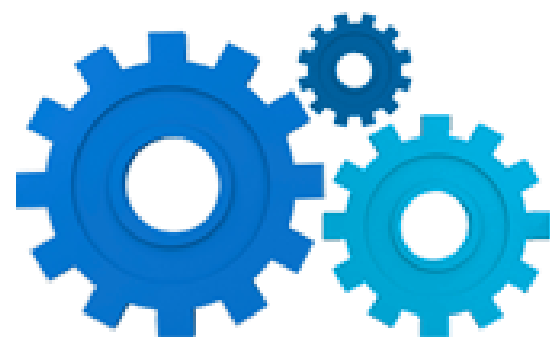


The “What”

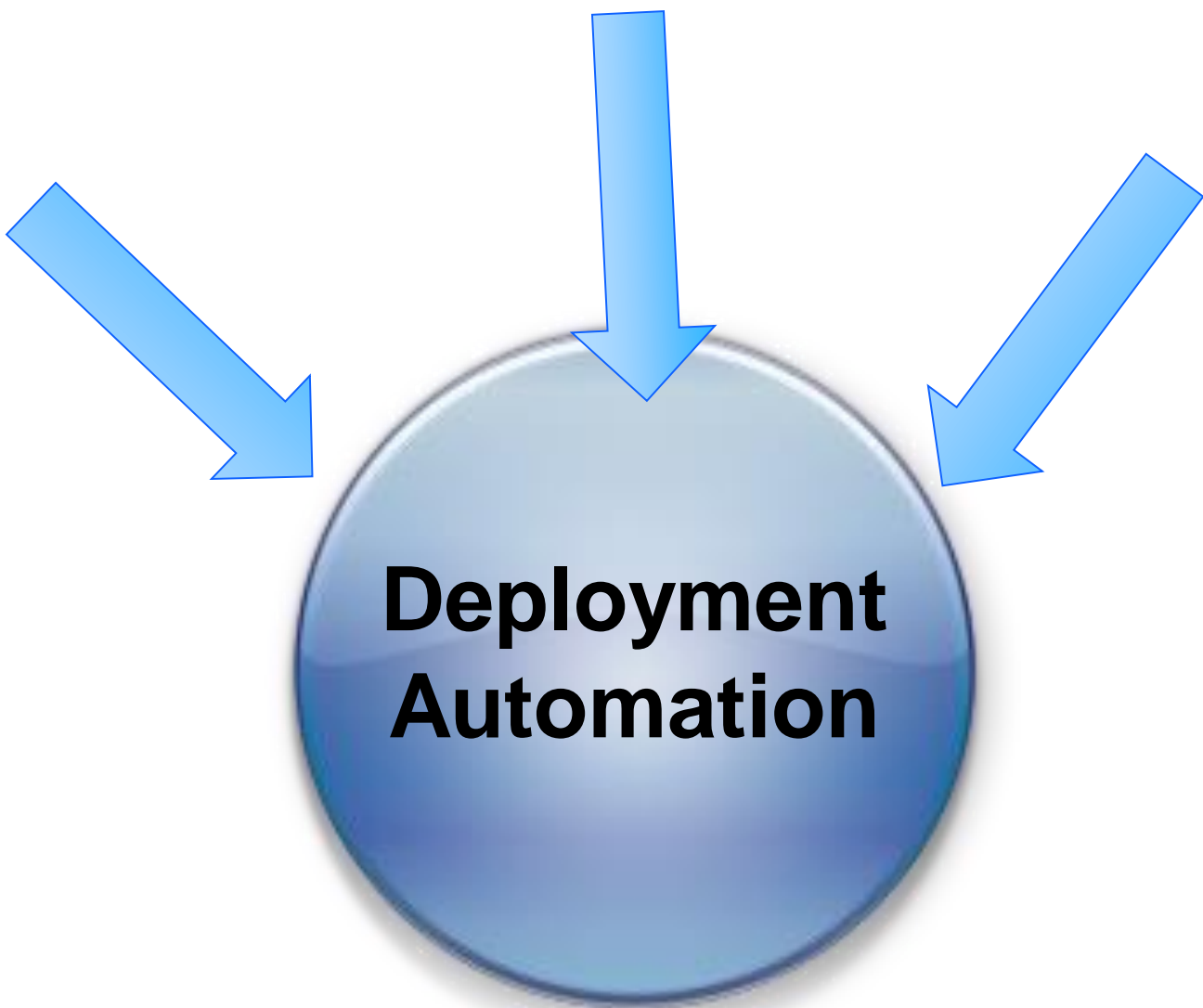


Components

Re-usable Workflows



The “How”



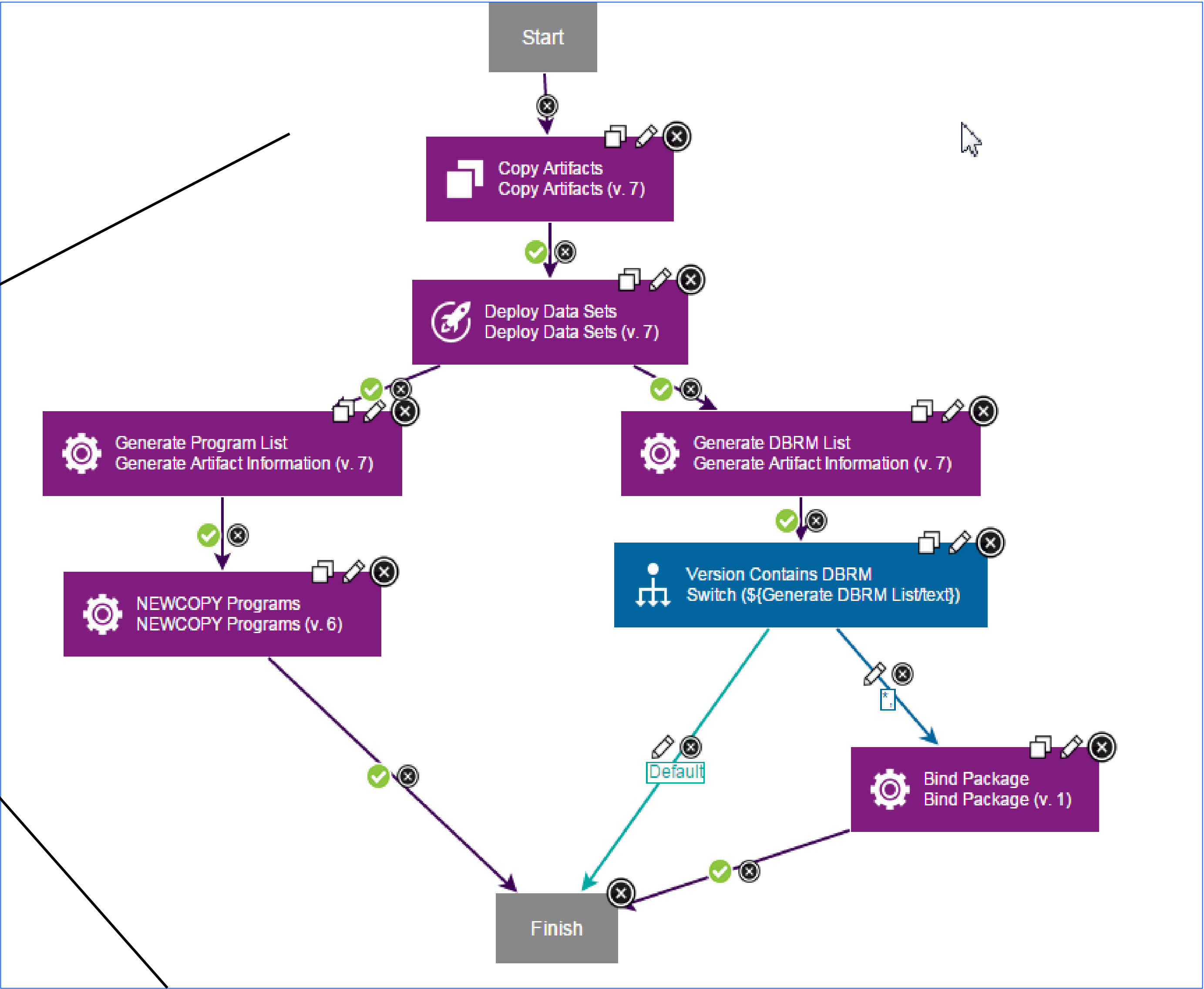
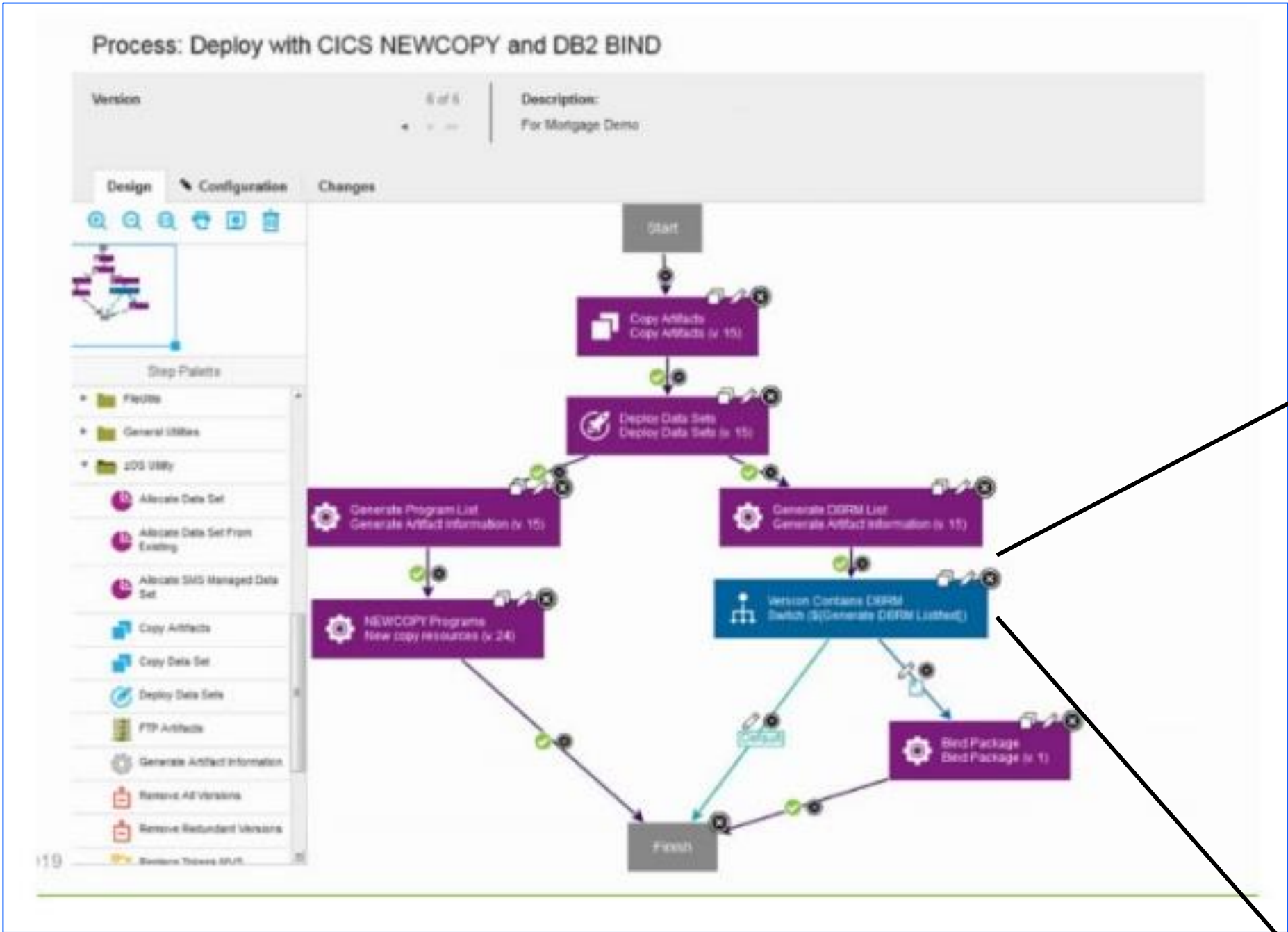
The Any! “Where”

Environment



UrbanCode Deploy Capabilities

Drag & Drop Process Editor

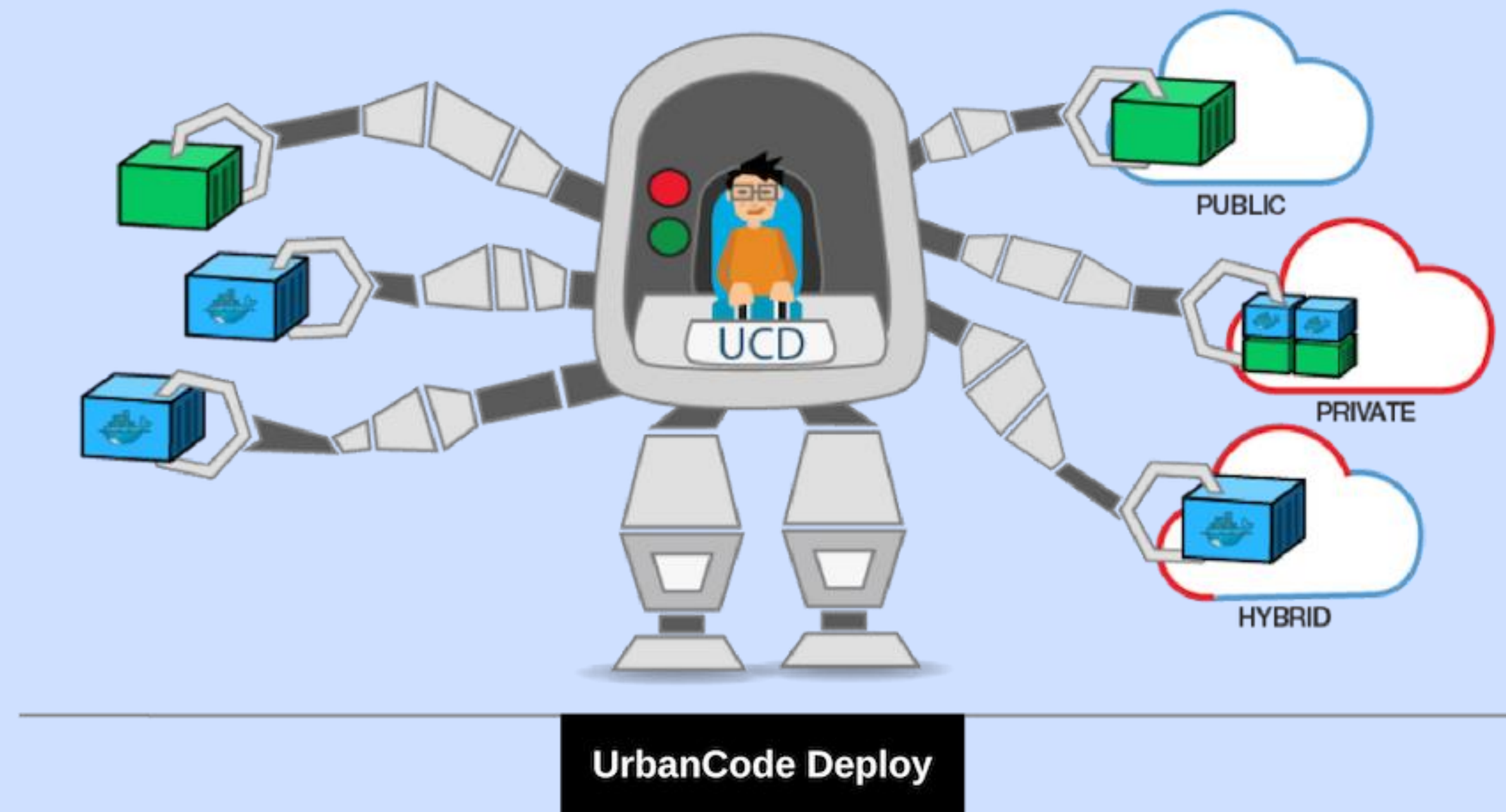


Example process – Deploy CICS and DB2 artifacts

Agenda

- Short introduction to IBM UrbanCode Deploy
- **New Features with Use Cases for UCD 7.3**
 - Application Pipeline
 - Webhooks
 - Cleanup Configuration
 - Java Management
 - Secret Stores

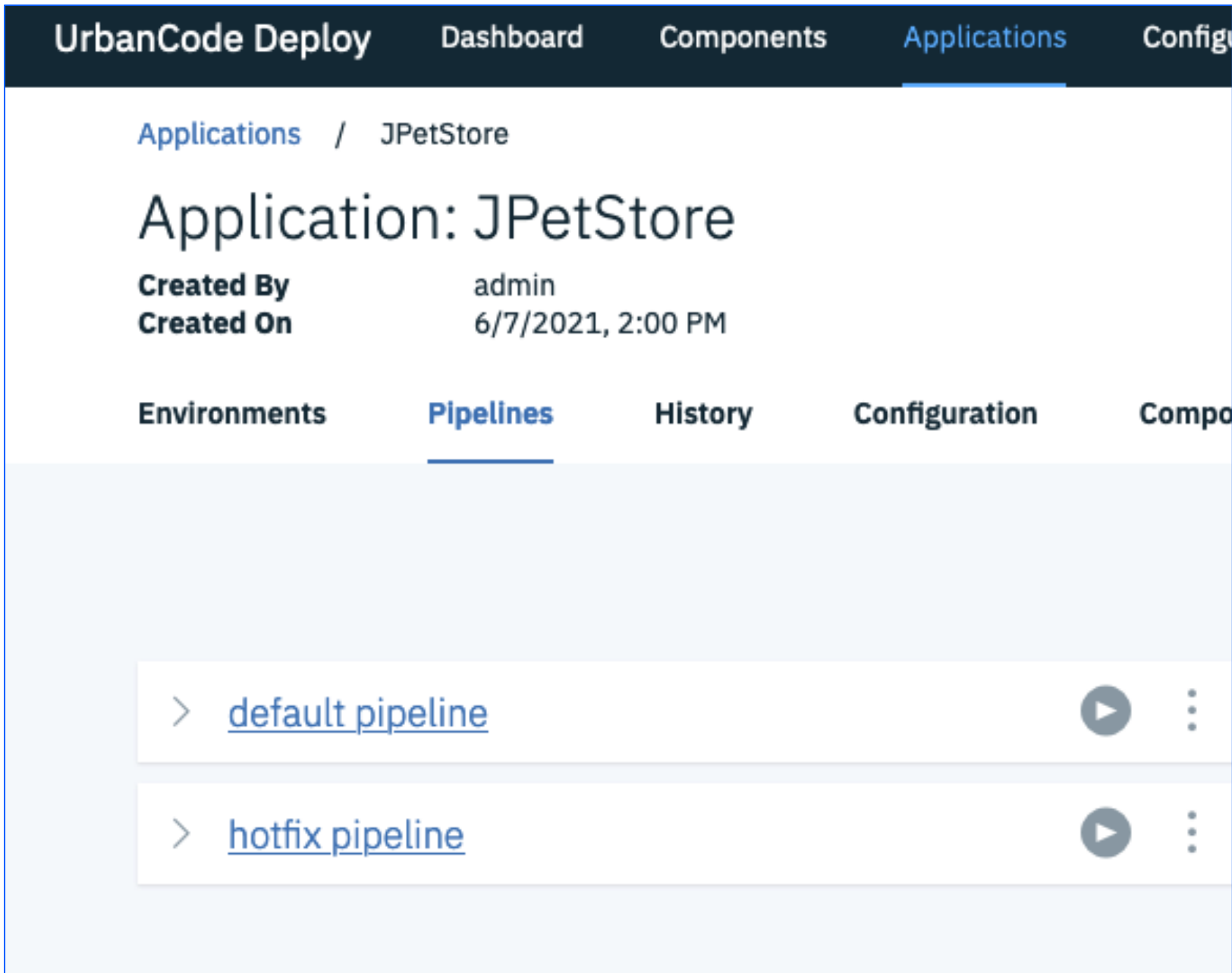
Deploy any application anywhere with governance



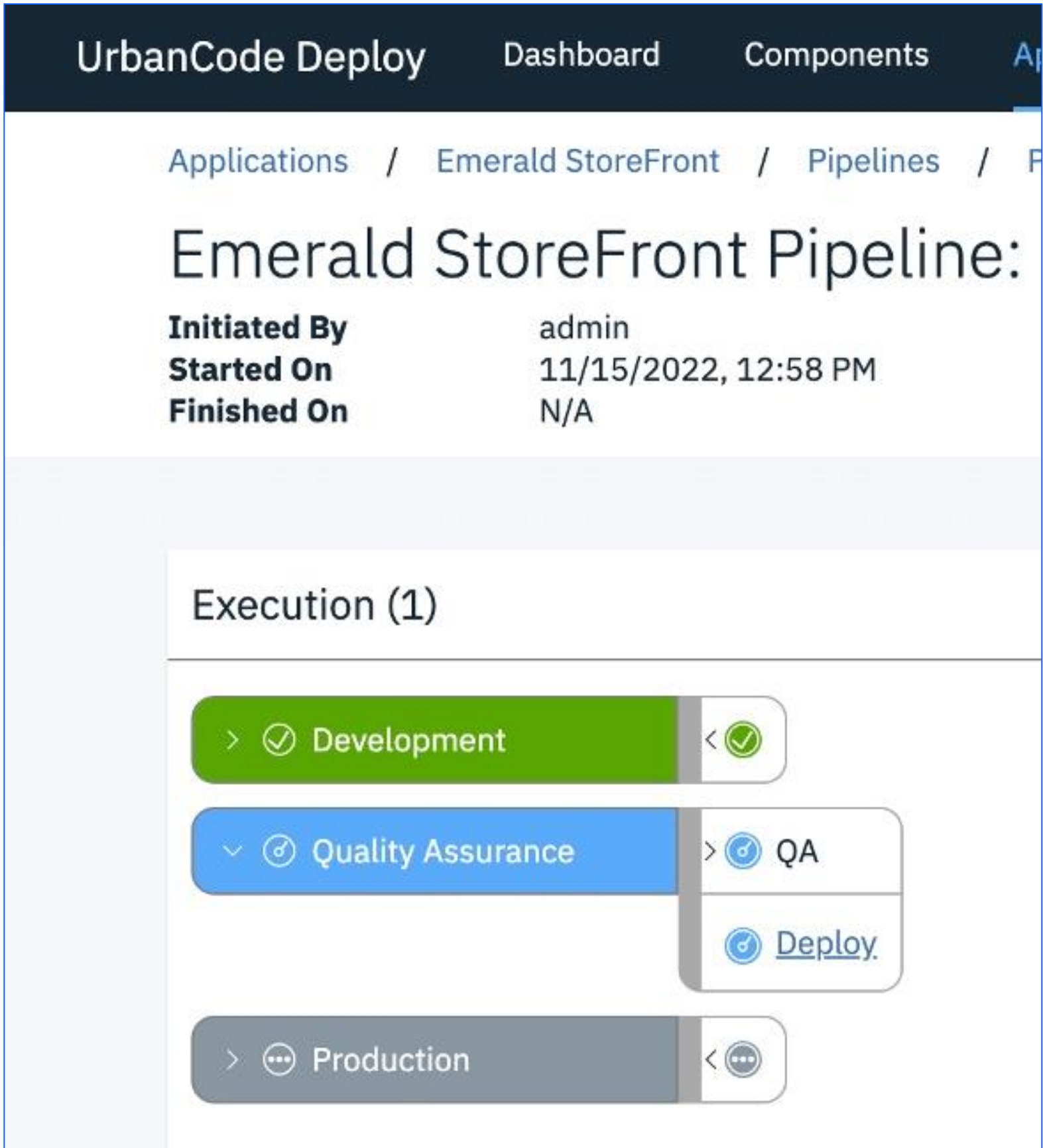
Application Auto-Promotion Pipelines

The pain point...

- It takes some time to manually check the results of the automated tests to decide if the changes should be deployed into the next environment.
- I have several scripts (shell, jenkins, other) which I use to run deployments, tests, checks and promotes them into higher environments. They take time to maintain and enhance.



```
{
  "name": "pipeline-name",
  "stages": [
    {
      "name": "stage-name",
      "blocks": [
        {
          "environment": "environment-name",
          "processes": [
            "application-process-name-1",
            "application-process-name-2"
          ]
        }
      ]
    }
  ]
}
```



Webhook Support

The pain point...

- I get so many emails, that I sometimes overlooked failed deployment notifications.
- My company has standardized collaboration on Tool XXX (e.g., Slack) and now need to push notifications into this tool.

Edit Webhook Template

Name *

Failed Deployment

Description

Notify about failed deployment

Body *

```
1 ## BEGIN SECTION Body
2 ## PROPERTY Content-Type: application/json
3 ##macro (addLimitReached)
4     ## show limit message & link
5     ,[
6         "type": "section",
7         "text": [
8             "type": "markdown",
9
```

Type *

Process Failure

Teams

Add Teams

Cancel

Submit

Applications / DEMO-APP1

Application: DEMO-APP1

Created Byadmin

Created On6/7/2021, 3:53 PM

Environments

Pipelines

History

Configuration

Components

Basic Settings

Application Properties

Environment Gates

Webhooks

Webhooks

Highlight Environment

EnvironmentsDEV, PROD, TEST

EventProcess Failure

TemplateFailed Deployment

URLhttps://hooks.slack.com/servi

Edit

10

Clean-Up configuration

The pain point ...

- Filestorage just grows and grows, although artifact retention settings are set in the system settings.
- Projects just override the system settings

UrbanCode Deploy

Dashboard

Components

Applications

Configuration

Processes

Resources

Calendar

Work Items

Reports

Secret Stores

Settings

Settings

/

System

Network

Notifications

Audit Log

Patches

Properties

CodeStation

License Management

System Settings

Cleanup Configuration

Manage Java Packages

Manage Ma

Components

Set Cleanup Configuration

<input type="checkbox"/>	Name	Cleanup Setting	Version Size	Days to Keep Versions	Number of Versions to Keep
	<input type="text" value="Filter"/>	<div>Any</div>			
<input type="checkbox"/>	Web Container Report	Inherit	28.0 KB	-1 (System)	-1 (System)
<input type="checkbox"/>	TestAutomation	Inherit		-1 (System)	-1 (System)
<input type="checkbox"/>	DB Container SF	Inherit	20.0 KB	-1 (System)	-1 (System)
<input type="checkbox"/>	DB Container Rt	Inherit	28.0 KB	-1 (System)	-1 (System)
<input type="checkbox"/>	App Container Rt	Inherit	28.0 KB	-1 (System)	-1 (System)
<input type="checkbox"/>	App Container SF	Inherit	16.0 KB	-1 (System)	-1 (System)

Items per page: 10

|

1-6 of 6 items

1 of 1 pages

< Previous

Next >

Java Package Management

The pain point ...

- Managing multitude of java versions for multiple operating systems.
- Applying java patches to agent machines can be complex and time consuming

Settings / System

NetworkNotificationsAudit LogPatchesPropertiesCodeStationLicense Management

HostsInstall New AgentCustomize Display

edVersionRelay

FilterAny

7.2.3.0.11337427.2.3.0.1133742

1 of 1 pagesPrevious1

EditDeleteRestartTest ConnectionLicenseSet License TypeSet Configuration TemplateUpgradeSet Java HomeInstall Java PackageUninstall Java Package

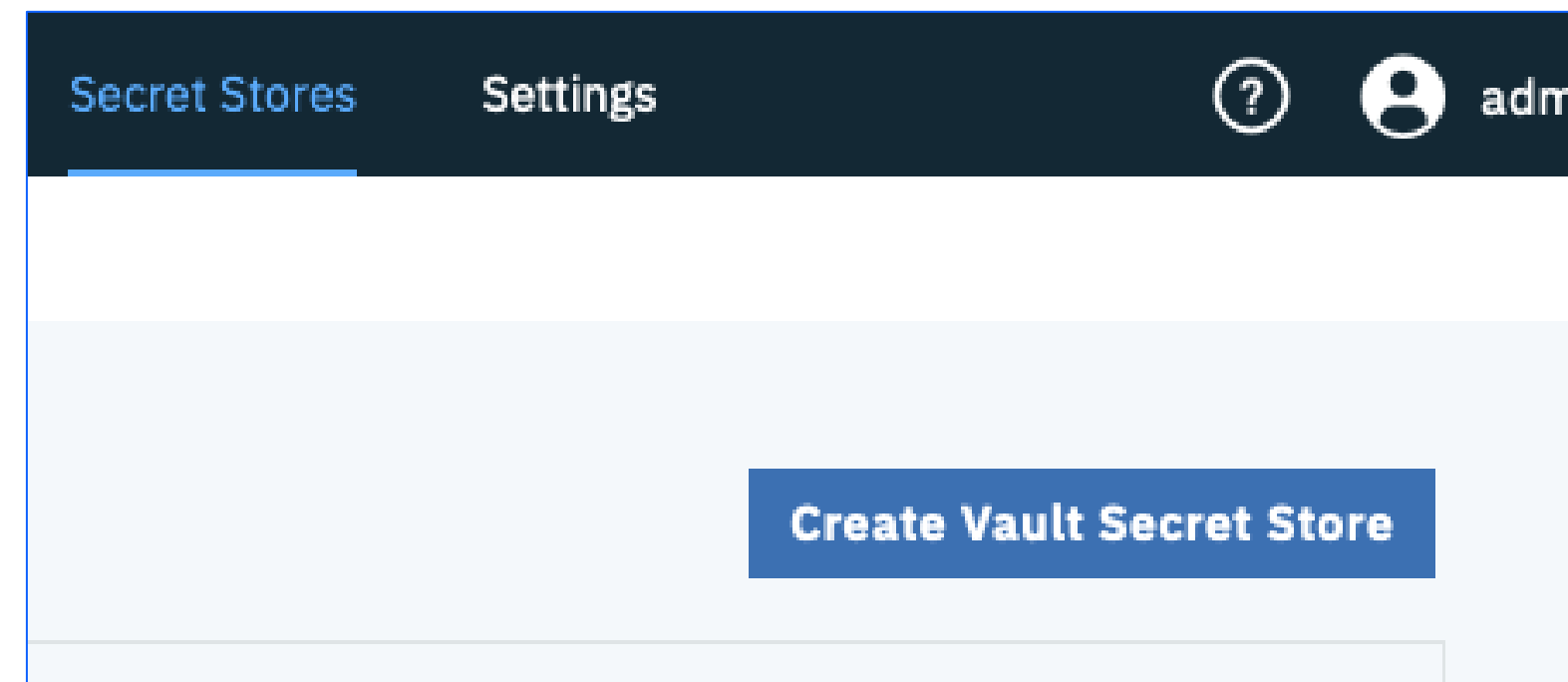
Name	OS	CPU
java-11-LINUX-S390X-a2eee1e0db7bdc21	LINUX	S390X
java-17-LINUX-X86_64-81f5bed21077f9fb	LINUX	X86_64
java-11-WINDOWS-X86_64-23cab1394db2e4f9	WINDOWS	X86_64
java-11-LINUX-X86_64-7063d7dc3e078b70	LINUX	X86_64
java-17-LINUX-X86_64-7d9a04533d539675	LINUX	X86_64

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Vault Secret Store

The pain point ...

- Updating all the credentials and secrets is hard, as you could forget where you have used it.
- Many enterprises need to centralize their password and secret management, to control usage and flexible rotation (change)



Manage Vault Secret Store

Name *

Description

Teams

[Add Teams](#)

URL *

Namespace

[Cancel](#) [Save](#)

Demo



Wrap Up

Auto Promotion Pipeline

Run application processes in multiple environments and promote versions automatically through a set of stages

Webhook Support

Send text-based responses to users in messaging platforms such as Slack and MS-Teams

Clean-Up Settings

Centralized artifact retention

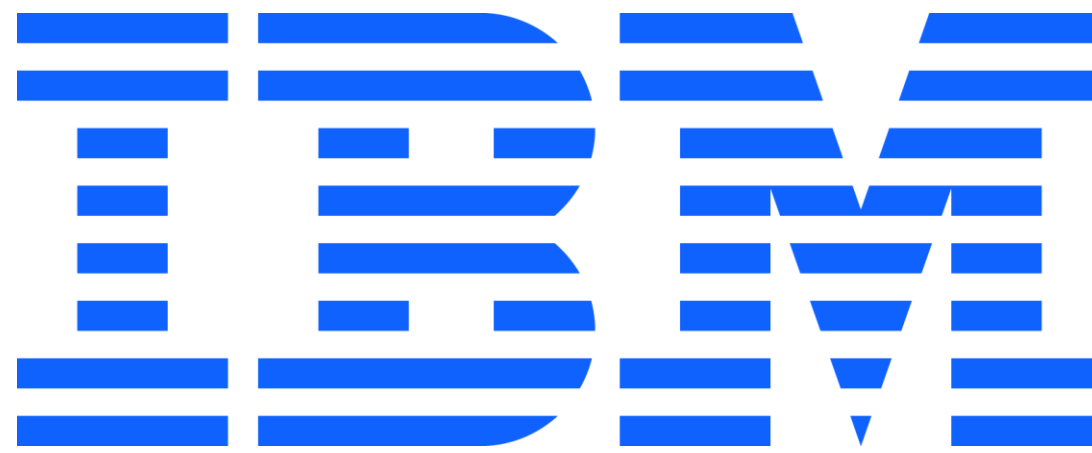
Java Management

Simplifying applying Java versions to agents

Secret Store

Retrieve credentials from Vault and use in plug-in step for authentication

Join the



DevOps Community



SCAN ME