C5050-062^{Q&As}

Rational UrbanCode Deploy

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QUESTION 1

How does an IBM UrbanCode Deploy server execute the deployment on target servers?

A. The deployment us executed through an agent installed on the target server. It establishes a connection with the server through JMS, downloads and scripts over HTTP, executes the deployment automation and uploads the logs back to the server using HTTP.

B. The deployment is executed through an agent installed on the target server. The server establishes a UDP connection with the server (through TCP), executes the deployment automation by downloading

the plugins and uploads the logs back to the server using HTTP.

C. The deployment is executed agentless. The IBM UrbanCode Deploy server establishes a Telnet connection with the target server, executes the automation though bash scripts or Groovy scripts (plugins), and uploads the logs back to the server using HTTPS.

D. The deployment is executed through an agent installed on the target server and the server installs the agent dynamically using SSH. The agent includes all the plugins required for the deployment, executes the automation, and uploads the logs to the server using JMS.

Correct Answer: A

The most frequently used step in an UrbanCode Deploy process is "Download Artifacts" from the Versioned File Storage plugin. Located in the step tree under "Repositories" adding it to your process indicates when you want to pull down the files associated with the component version being deployed.

When this step is executed, a master server sends a JMS message to the Agent with details of the files to retrieve. The Agent then makes a series of HTTP(s) requests to the central server to download the desired files to the desired location. Each request may stream many files. The important thing to keep in mind is that this step (like all steps) is being run on the agent. Thus, it is named "Download" not "Push".

References: https://developer.ibm.com/urbancode/docs/urbancode-deploy-moves-files-targets/

QUESTION 2

Which file contains the step definitions for a Deploy plugin named FileUtils?

A. FileUtils.config

B. FileUtils.props

C. Plugin.xml

D. Plugin.config

Correct Answer: C

You can create your own plug-ins for use with IBM UrbanCode Deploy. A plug-in consists of XML files and supporting script files that the plug-in requires.

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The plugin.xml file defines the steps that constitute the plug-in; plug-in steps define a plug-in\\'s functions. Each step is an independently configurable entity in the IBM UrbanCode Deploy editor.

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The info.xml file contains a version ID and other information that describes the plug-in.

References: http://www.ibm.com/support/knowledgecenter/SS4GSP_6.1.3/
com.ibm.udeploy.reference.doc/topics/reference_plugins_create.html

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QUESTION 3

What is the best use of snapshots?

A. To identify dependences between agents for an application

B. To identify application resources that are related

C. To identify versions of application components that should be deployed together

D. To identify allowed property types and configurations

Correct Answer: C

A snapshot is a collection of specific versions of components and processes. Typically, a snapshot represents a set of component versions that are known to work together. In most cases, snapshots include all of the components in an application.

References: http://www.ibm.com/support/knowledgecenter/SS4GSP_6.1.3/com.ibm.udeploy.doc/topics/
app_snapshot.html

QUESTION 4

What do you use to define a logical grouping of deployable that function as a single unit and contain definitions of automations and target environments?

A. Component template

B. Resource

C. Application D. Resource template

Correct Answer: B

Component-type resources represent the components that are deployed to target environments. A

resource is a logical deployment target that typically resolves to an agent and a user-defined construct that

is based on the architectural model of IBM UrbanCode Deploy.

If a resource is part of a hierarchy, it delegates its automation, if any, up the chain until it finds an agent.

In IBM UrbanCode Deploy, deployable items are combined into logical groupings called components.

Incorrect Answers:

D: A resource template is a model for a group of resources. The template contains a hierarchy of resources, groups, and agent prototypes that is a starting point for creating new resources.

References: http://www.ibm.com/support/knowledgecenter/SS4GSP_6.2.0/com.ibm.udeploy.doc/topics/resources_ch.html

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QUESTION 5

Which two statements are true about how IBM UrbanCode Deploy (UCD) organize deployment artifacts? (Select two.)

A. Deployment artifacts are typically produced by an automated build and then imported into UCD as a version.

B. Deployment artifacts are stored in an external system (version control, CMDB, inventory, etc.) and UCD can only download the artifacts to the target server as part of a deployment process.

C. Deployment artifacts must be uploaded to Rational Asset Manager, so they can be used on a deployment process.

D. Each component contains at least one deployment package that contains all the deployment artifacts for that application.

E. A component contains in the artifact set (versions) and the automation to deploy it.

Correct Answer: BE

B: Deployable items, or artifacts, can be files, images, databases, configuration materials, or anything else that is associated with a software project. Artifacts can come from a number of sources: file systems, build servers such as IBM Anthill Pro, and many others.

E: When you create a component, you identify the source and define how the artifacts are brought into IBM UrbanCode Deploy.

References: https://www.ibm.com/support/knowledgecenter/SS4GSP_6.1.1/com.ibm.udeploy.doc/topics/ comp_ch.html

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