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Test Your Knowledge

Completed by **test test** on **Oct 9, 2016 10:11:00 AM**
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Correct   **In which way is Cloud Foundry considered "the Open PaaS"? Select all that apply.**

Cloud Foundry is Open Source Software - Answer given

Cloud Foundry can run on various types of IaaS - Answer given

Cloud Foundry can support various languages/frameworks - Answer given

Cloud Foundry is used to power multiple public clouds - Answer given

Correct   **In which way is Pivotal CF an enhancement over open source Cloud Foundry? Select all that apply.**

Pivotal CF has a dramatically easier installation and management experience - Answer given

Pivotal CF runs on OpenStack and AWS while the open source version does not

Open Source Cloud Foundry does not include comprehensive documentation

Pivotal CF provides services not available in the open source version - Answer given

Correct   **Which of the following activities take place during the push process? Select all that apply.**

Artifacts are uploaded into Cloud Foundry - Answer given

Application is compiled locally using maven or gradle to include Cloud Foundry specific binaries and the resulting executable droplet uploaded to Cloud Foundry

Required containers, frameworks, and runtimes are downloaded to the local computer to create the droplet

Application is staged; combining application with required runtimes, frameworks, and containers - Answer given

Correct   **When an application is pushed to Cloud Foundry it is given its own unique URL so users can access it. This URL is termed a**

domain

service

route - Answer given

quota

Correct   **Which of the following are 12-Factor Design patterns? Select all that apply.**

Strictly separate build and run stages - Answer given

Prefer stateful applications

Treat backing services are separate, attached (bound) resources - Answer given

Write logs to files for easy access later

Avoid dependencies, ensure your application compiles into a single executable

Correct **What is a Cloud Foundry Service?**

Any dependency that is pushed up to CF with the application

Any application instance once deployed and running in CF

Any type of add-on that can be provisioned along side your application - Answer given

Correct **What is Staging?**

Before a Service can be used in Cloud Foundry it must be staged into the Service Marketplace

Whenever you push an application to the development space, this is termed "staging"

Staging is when a buildpack converts your application into a deployable "Droplet" - Answer given

Scaling an application up or down (running more or fewer instances) is known as "staging"

Correct **What is the unit of deployment in Cloud Foundry?**

Virtual Machine

Container

Space

Application - Answer given

Organization

Correct **Why should apps running on Cloud Foundry avoid using the local file system? Select all that apply.**

Cloud Foundry uses NFS for all file operations and accordingly experiences performance degradation

The local file system is ephemeral; lasting only while the application instance is running - Answer given

Multiple application instances cannot share the same local file system - Answer given

There is no local file system for apps running on Cloud Foundry

Correct **Why should apps running on Cloud Foundry avoid using HTTP session?**

The Cloud Foundry router does not support sticky sessions

All session data for an instance would be lost if an instance crashed or was scaled down - Answer given

Session usage causes a performance penalty for single instance applications running in Cloud Foundry

Cloud Foundry DEAs do not have enough memory to support session use