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**IBM**

**S1000-009**

*IBM PowerVC V2.0 Administrator Specialty*

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## Question: 1

Which of the following features allows PowerVC to automate the management of virtual machines?

- A. Live Partition Mobility
- B. Dynamic Resource Optimizer
- C. PowerVM NovaLink
- D. PowerVC Image Manager
- E. PowerVC Self-Service Portal

Answer: E

Explanation: The PowerVC Self-Service Portal is a feature of PowerVC that allows for the automation of virtual machine management. It enables users to provision, deploy, and manage virtual machines through a web-based interface, reducing the need for manual intervention.

## Question: 2

What is the recommended approach to upgrade PowerVC?

- A. Uninstall the existing version and install the new version from scratch
- B. Perform an in-place upgrade by running the upgrade script
- C. Migrate the PowerVC environment to a new server and install the new version
- D. Contact IBM support for a customized upgrade plan

Answer: B

Explanation: The recommended approach to upgrade PowerVC is to perform an in-place upgrade by running the upgrade script. This allows for a seamless transition to the new version without the need to uninstall the existing version.

or migrate the environment to a new server.

### **Question: 3**

Which of the following is a hardware requirement for installing PowerVC?

- A. x86-based server
- B. IBM Power Systems server
- C. Intel Core i7 processor
- D. 8GB RAM
- E. 500GB SSD

Answer: B

Explanation: PowerVC is designed to run on IBM Power Systems servers, which are based on the Power architecture. Therefore, a hardware requirement for installing PowerVC is an IBM Power Systems server.

### **Question: 4**

Which component is responsible for managing the power environment in PowerVC?

- A. PowerVM
- B. PowerHA
- C. PowerSC
- D. PowerVC NovaLink
- E. PowerVC Image Manager

Answer: D

Explanation: PowerVC NovaLink is the component responsible for managing the power environment in PowerVC. It provides the interface between

PowerVC and the underlying PowerVM hypervisor, allowing for the management of virtual machines and resources.

**Question: 5**

Which three are supported storage connectivity options for PowerVC?

- A. NPIV
- B. Shared Storage Pool (SSP)
- C. locally attached storage
- D. iSCSI
- E. Spectrum Scale (GPFS)
- F. vSCSI

Answer: A, B

Explanation: PowerVC supports NPIV (N\_Port ID Virtualization) and Shared Storage Pool (SSP) as storage connectivity options. NPIV allows virtual machines to directly access Fibre Channel storage resources, while SSP provides a shared storage pool that can be used by multiple virtual machines.

**Question: 6**

Which integration option allows PowerVC to integrate with OpenStack?

- A. PowerVM NovaLink
- B. PowerVC Self-Service Portal
- C. PowerVC Image Manager
- D. PowerVC REST API
- E. PowerVC CLI

Answer: A

Explanation: PowerVM NovaLink is the integration option that allows PowerVC to integrate with OpenStack. It provides the necessary interface between PowerVC and OpenStack, enabling the management of PowerVM resources within an OpenStack environment.

### **Question: 7**

Which of the following describes the role of PowerVC in managing a private cloud?

- A. Orchestrating the deployment of virtual machines across multiple data centers
- B. Providing self-service capabilities for users to provision and manage virtual machines
- C. Integrating with public cloud providers to extend the private cloud infrastructure
- D. Enforcing security policies and access controls for virtual machine resources

Answer: B

Explanation: PowerVC plays a role in managing a private cloud by providing self-service capabilities for users to provision and manage virtual machines. It allows users to request and deploy virtual machines on-demand, reducing the need for manual intervention from IT administrators.

### **Question: 8**

Which public cloud provider is NOT supported for integration with PowerVC?

- A. IBM Cloud
- B. Amazon Web Services (AWS)
- C. Microsoft Azure
- D. Google Cloud Platform (GCP)



E. Alibaba Cloud

Answer: E

Explanation: PowerVC supports integration with IBM Cloud, Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) for extending the private cloud infrastructure to the public cloud. However, integration with Alibaba Cloud is not currently supported.

### Question: 9

Which step is NOT involved in the installation process of PowerVC?

- A. Configuring network settings
- B. Creating a virtual machine
- C. Installing the PowerVC management server
- D. Configuring storage connectivity
- E. Configuring authentication settings

Answer: B

Explanation: The installation process of PowerVC does not involve creating a virtual machine. Instead, the installation focuses on configuring network settings, installing the PowerVC management server, configuring storage connectivity, and configuring authentication settings.

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