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Citrix 1Y0-205

Citrix Virtual Apps and Desktops Administration



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Latest Version: 9.0

Question: 1

A Citrix Administrator is looking to provide apps and desktops to users. Project requirements dictate that management and maintenance should be minimized for the administrator while still maintaining control of the Virtual Delivery Agent (VDA) machines. (Choose two.)

- A. Nutanix Acropolis
- B. Microsoft Azure
- C. Amazon Web Services
- D. Microsoft Hyper-V
- E. XenServer

Answer: B, C

Explanation:

Microsoft Azure and Amazon Web Services provide public-cloud infrastructure supported by Citrix Machine Creation Services. The cloud provider manages the physical datacenter, compute hardware, storage platform, networking infrastructure, and hypervisor maintenance. The Citrix administrator retains administrative control of the workload layer, including master images, installed applications, VDA configuration, machine catalogs, Delivery Groups, and Citrix policies. This shared-responsibility model reduces infrastructure maintenance while preserving control of the VDA machines. Nutanix Acropolis, Microsoft Hyper-V, and XenServer are commonly deployed as customer-managed virtualization platforms, which normally require the organization to maintain hosts, storage, capacity, and hypervisor updates. Citrix officially documents the creation and power management of VDA catalogs on both Microsoft Azure and AWS EC2.

Study Guide Architecture Overview — delivery models, hosting platforms, resource locations, and administrative responsibilities.

Question: 2

Which three core services are required for a FlexCast Management Architecture (FMA) Site to run optimally? (Choose three.)

- A. Central Configuration service
- B. Delegated Administration service
- C. Machine Creation service
- D. Telemetry service
- E. Configuration Logging service

Answer: A, B, E

Explanation:

The Central Configuration service maintains service-registration and endpoint information, allowing independently operating FMA services to discover and communicate with one another. The Delegated Administration service enforces role-based permissions and scopes for operations performed through Studio or PowerShell. The Configuration Logging service records administrative changes, creating the audit trail required to identify who changed the Site configuration, what was changed, and when the action occurred. Citrix enables configuration logging by default. Machine Creation Services is necessary when MCS is the selected provisioning technology, but a Site can instead use manually provisioned machines or Citrix Provisioning; it is therefore not a universal core requirement. Telemetry collects diagnostic and usage information but is not an operational dependency. Official references include Delegated Administration and Configuration Logging.

Study Guide Architecture Overview — FMA services, service registration, delegated administration, and configuration auditing.

Question: 3

A Citrix Administrator is setting up a master image to be used with Machine Creation Services. The administrator wants to reduce the number of IOPS generated per virtual machine. What must be installed during VDA installation to help achieve this?

- A. Citrix Workspace app
- B. VDA Upgrade Agent
- C. Citrix MCS I/O Driver
- D. Citrix Profile Management WMI Plug-in

Answer: C

Explanation:

The Citrix MCS I/O Driver enables Machine Creation Services storage optimization, also called MCSIO or write-back cache. It improves VDA storage performance by caching disk operations in memory and, when configured, on a small temporary high-speed disk. This reduces write activity against the primary OS disk and shared storage infrastructure. The driver must be installed in the master image during VDA installation or upgrade so that every provisioned machine inherits the required guest component. Citrix Workspace app is an endpoint client and does not optimize VDA storage. The VDA Upgrade Agent manages VDA upgrade workflows, while the Profile Management WMI Plug-in exposes profile-related information and does not provide disk caching. Citrix explicitly states that the MCSIO driver must be selected during VDA preparation and is not installed by default in the documented MCSIO catalog workflow.

Study Guide The Apps and Desktops Images — master-image preparation and MCS storage optimization.

Question: 4

A Virtual Delivery Agent (VDA) is unable to register with the Delivery Controller. Which three factors could be causing this issue? (Choose three.)

- A. Incorrectly configured Citrix policy in Active Directory
- B. Citrix ICA service not running
- C. Time differences between VDA-enabled machines and the domain controller
- D. Incorrectly configured reverse DNS lookups in a forest
- E. Improperly configured firewalls

Answer: A, C, E

Explanation:

A Citrix policy can provide the VDA's Controller list through the Controllers setting. Incorrect addresses or an improperly applied Group Policy can therefore prevent the VDA from discovering an eligible Delivery Controller. Registration uses Kerberos mutual authentication, making accurate time synchronization between VDAs, Controllers, and domain controllers essential. Firewalls can also prevent registration by blocking the required bidirectional communication. The Citrix ICA service is not the component responsible for Controller registration; registration is performed by the Citrix Desktop Service, also called the Broker Agent. Reverse DNS lookup zones are not an inherent VDA-registration requirement when forward DNS resolution and Controller discovery are operating correctly. Citrix's official VDA registration documentation confirms the importance of ListOfDDCs configuration, Kerberos, domain membership, time synchronization, and Controller connectivity.

Study Guide Supporting and Troubleshooting Citrix Virtual Apps and Desktops — VDA registration, Controller discovery, Kerberos, and network communication.

Question: 5

A Citrix Administrator needs to update a master image for random, non-persistent desktops based on Machine Creation Services (MCS). Which consequence must the administrator consider when updating the master image?

- A. A full new vDisk will be created.
- B. A new, full copy from the snapshot will be created.
- C. The differencing disks will be merged.
- D. A new Personal vDisk will be created.

Answer: B

Explanation:

When an MCS catalog is updated, the administrator selects a new master-image snapshot. MCS prepares a new read-only base image from that snapshot and makes the required full image copy available to the catalog's storage resources. Non-persistent machines are subsequently associated with the new image during the configured rollout. Existing differencing disks are not merged into the new base image; temporary machine changes are discarded when the machines are reset or updated. A Citrix Provisioning vDisk is not created because that object belongs to the Citrix Provisioning imaging workflow. Personal vDisk is also not created during an MCS image update and has been removed from current product releases. Citrix documents snapshot selection, Change Master Image, immediate or next-shutdown rollout, and image rollback in Manage machine catalogs.

Study Guide The Apps and Desktops Images — MCS snapshots, base images, differencing disks, and image rollout.

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