



**Citrix**

## **Exam Questions 1Y0-312**

Citrix Virtual Apps and Desktops 7 Advanced Administration

#### NEW QUESTION 1

A Citrix Engineer is looking for ways to secure the Virtual Delivery Agent (VDA) in the Citrix Virtual Apps and Desktops environment. Which three steps should the engineer follow to secure the VDA? (Choose three.)

- A. Add the certificate on Citrix Gateway
- B. Enable TLS on the Delivery Controllers
- C. Add the certificate to the VDA
- D. Enable TLS on the VDA
- E. Add the certificate on the StoreFront server

**Answer:** ADE

#### NEW QUESTION 2

Scenario: A Citrix Engineer needs to upgrade a large Citrix Virtual Apps and Desktops environment to a higher version. The engineer is looking for information on Delivery Controller and Virtual Delivery Agent (VDA) machine Microsoft hotfixes and service packs along with the site information and the License Server information.

Which tool should the engineer use to extract the required information?

- A. Citrix Diagnostic Facility (CDF) Control
- B. Citrix Director
- C. Citrix Diagnostic Facility (CDF) Monitor
- D. Citrix Scout

**Answer:** D

#### Explanation:

<https://docs.citrix.com/en-us/citrix-virtual-apps-desktops/manage-deployment/cis/scout.html#what-is-collected>

#### NEW QUESTION 3

Which two statements are true for Workspace Environment Management (WEM) Memory Management? (Choose two.)

- A. WEM will NOT release the process's excess RAM to the page file when the process becomes idle.
- B. WEM can exclude specific processes from being optimized.
- C. WEM calculates how much RAM a process is using and the minimum amount of RAM a process needs.
- D. WEM optimizes specific applications during a desktop session based on priority.

**Answer:** BC

#### Explanation:

<https://docs.citrix.com/en-us/workspace-environment-management/service/user-interface-description/system-opt>

#### NEW QUESTION 4

A Citrix Engineer is using the Citrix Profile Management Health Status feature within the Workspace Environment Management (WEM) environment. Which file should the engineer review for results of these health checks to identify specific issues?

- A. AuthManConfig.xml
- B. UpmConfigCheckOutput.xml
- C. UserProfileManager.log
- D. #\_pm\_config.log

**Answer:** B

#### NEW QUESTION 5

Which two statements are true regarding the Citrix App Layering Management Console? (Choose two.)

- A. It is only supported as an on-premises solution for Citrix App Layering.
- B. It is used to manage system settings for Citrix App Layering.
- C. It is used to add layered images into Citrix Studio.
- D. It is a web-based console that runs on the Enterprise Layer Manager (ELM) server.
- E. It coordinates all communications within the Citrix App Layering environment.

**Answer:** BD

#### Explanation:

<https://docs.citrix.com/en-us/tech-zone/design/reference-architectures/app-layering.html>

#### NEW QUESTION 6

A Citrix Engineer wants to enable the "Log Off Web Portal When Session is Launched" feature within Workspace Environment Management (WEM) transformer settings.

What does the engineer need to do prior to enabling this feature?

- A. Set Workspace control to NOT automatically reconnect to the sessions when users log onto StoreFront.
- B. Set Workspace control settings to log off from session when users log off from StoreFront.
- C. Set Workspace control to automatically reconnect to the sessions when users log onto StoreFront.
- D. Set Workspace control settings to NOT log off a session when users log off from StoreFront.

**Answer:** D

**Explanation:**

""If you wish to use this setting, ensure you configure workspace control to not log off a session when the Web interface is logged off"  
(<https://wilkyit.com/2017/06/12/citrix-workspaceenvironment-manger-wem-transformer-setting-overview/>)

**NEW QUESTION 7**

A Citrix Engineer who manages a Citrix Virtual Apps and Desktops environment is implementing Workspace Environment Management (WEM) in the environment. Which Active Directory console should the engineer review while configuring WEM settings to ensure no conflicts are encountered in the environment?

- A. Domains and Trusts
- B. Users and Computers
- C. Sites and Services
- D. Group Policy Management

**Answer:** A

**NEW QUESTION 8**

In which two situations should a Citrix Engineer consider using Elastic App Layers? (Choose two.)

- A. A few managers need to be able to install applications when accessing a layered image.
- B. Specific applications have compatibility issues and are needed by all users in the company.
- C. A specific suite of applications exhibits performance issues for users.
- D. A specific application is only needed by a few users in the Marketing department.
- E. A number of custom Human Resource applications are utilized by a few managers within the company.

**Answer:** DE

**Explanation:**

<https://docs.citrix.com/en-us/citrix-app-layering/4/layer/assign-elastic-layers.html#about-elastic-layers>

**NEW QUESTION 9**

In which two ways can a Citrix Engineer encrypt communication between the Virtual Delivery Agent (VDA) machines and Citrix Workspace app? (Choose two.)

- A. Install a certificate on the Delivery Controllers.
- B. Enable TLS on the VDA machines.
- C. Install a certificate on the VDA machines.
- D. Enable TLS on the StoreFront servers.

**Answer:** BC

**NEW QUESTION 10**

Which tool should a Citrix Engineer use to change the priority of an application layer to meet business requirements?

- A. PowerShell on ELM server
- B. ELM Management console
- C. PowerShell on Delivery Controller
- D. LayerPriority Utility

**Answer:** D

**NEW QUESTION 10**

Which two statements are valid regarding communication of Flexcast Management Architecture (FMA) services with the database? (Choose two.)

- A. Monitoring Service will NOT have an additional separate connection to a secondary database.
- B. Configuration Logging will NOT have an additional separate connection to a secondary database.
- C. Each of the Citrix services establishes its own direct connection to the site database.
- D. Each of the Citrix services use Citrix Configuration Service (CCS) to connect to the site database.
- E. Configuration Logging will have an additional separate connection to a secondary database.

**Answer:** CE

**Explanation:**

<https://ramprasadtech.com/the-flexcast-management-architecture-key-takeaways/>

**NEW QUESTION 12**

Which two components should be managed by the customer as per Citrix recommendations, in order to move an existing on-premises Citrix Virtual Apps and Desktops environment to Citrix Cloud? (Choose two.)

- A. Citrix ADC/Gateway
- B. Cloud Connector
- C. VDA Machines
- D. SQL Servers

**Answer:** AB

#### NEW QUESTION 17

A Citrix Engineer is taking over the management of an environment in which non-persistent machines were deployed with Workspace Environment Management (WEM) Agent.

Which two statements are true for this environment? (Choose two.)

- A. The Agent would need to contact the Infrastructure Service after restart to gather cache data again
- B. The cache is lost at each restart without a persistent disk
- C. The environment is NOT supported because the usage of a persistent disk is mandatory when using WEM
- D. The WEM Agent applies real time updates only when the persistent disk is used

**Answer:** AB

#### NEW QUESTION 18

Scenario: A Citrix Engineer administering a Citrix Virtual Apps and Desktops environment is experiencing inconsistency with Virtual Delivery Agent (VDA) registration. After much investigation, the engineer determined the issue is resulting from intermittent problems with the Windows services on the VDA machine and the Delivery Controller.

Which set of Citrix services should the engineer troubleshoot to find the root cause?

- A. BrokerAgent.exe and BrokerService.exe
- B. BrokerAgent.exe and Citrix.Host.exe
- C. BrokerService.exe and Citrix.Host.exe
- D. PicaSvc2.exe and BrokerService.exe

**Answer:** A

#### Explanation:

<https://support.citrix.com/article/CTX139415>

#### NEW QUESTION 22

A Citrix Engineer can useandto optimize the performance of Windows workloads.

- A. Citrix Workspace Environment Management (WEM)
- B. Citrix Studio
- C. Citrix Optimizer
- D. Citrix Director
- E. Citrix App Layering

**Answer:** AC

#### NEW QUESTION 27

Which database high availability option does Citrix recommend for Workspace Environment Management (WEM)?

- A. Always On
- B. Mirroring
- C. Replication
- D. Clustering

**Answer:** A

#### Explanation:

<https://docs.citrix.com/en-us/workspace-environment-management/current-release/system-requirements.html#sq>

#### NEW QUESTION 32

Scenario: A Citrix Engineer recently took over a multi-zone environment with one Primary zone in New York and two Secondary zones in San Francisco and Orlando respectively. The New York zone has two Delivery Controllers, San Francisco has one Delivery Controller, and the Orlando zone has two Delivery Controllers. The engineer received alerts that the Orlando zone Delivery Controllers were down.

Where will the Orlando zone Virtual Delivery Agent (VDA) machines register?

- A. San Francisco Delivery Controllers
- B. New York Delivery Controllers
- C. New York and Orlando Delivery Controllers
- D. New York and San Francisco Delivery Controller

**Answer:** A

#### NEW QUESTION 33

Scenario: A Citrix Engineer is working on a Citrix Virtual Apps and Desktops deployment. The current setup has the following characteristics:

Three data centers (A, B, and C), each with a large user base.

Network latency between these datacenters is more than 300 ms RTT because they are located at geographically far distances.

Which design should the engineer choose to ensure optimum performance?

- A. A Multi-zone site with three zones (one primary and two secondary), with a site database in each of the three zones
- B. A Multi-zone site with three zones (one primary and two secondary), with a site database in the Primary zone
- C. One site for each data center with a common site database deployed at the largest site
- D. One site for each data center with a separate site database for each site

**Answer:** B

#### NEW QUESTION 34

How often should a Citrix Engineer backup the Citrix database, based on Citrix recommendations?

- A. After changes are made to the environment
- B. Daily
- C. Weekly
- D. Before any change to the environment

**Answer: B**

#### Explanation:

<https://docs.citrix.com/en-us/advanced-concepts/implementation-guides/sql-server-and-citrix-databases.html>

#### NEW QUESTION 37

From which component does a Delivery Controller get load index session distribution?

- A. Virtual Delivery Agent (VDA) machines
- B. Citrix Director
- C. Citrix policies
- D. Site database

**Answer: A**

#### NEW QUESTION 40

Scenario: A Citrix Engineer is working on ICA policies to restrict sharing of client clipboard data to user sessions. However, the engineer wants to allow some specific formats to be shared.

Which two policies should the engineer configure to allow this? (Choose two.)

- A. Client clipboard write allowed formats
- B. Restrict session clipboard write
- C. Restrict client clipboard write
- D. Session clipboard write allowed formats

**Answer: AC**

#### NEW QUESTION 42

Which two actions should a Citrix Engineer take when upgrading a Workspace Environment Management (WEM) environment? (Choose two.)

- A. Ensure that a valid database backup is created before launching the upgrade process
- B. Leave the WEM database in the Always On availability group
- C. Run the database upgrade utility under an identity that has sysadmin permissions
- D. Specify the SQL Server SA credentials during the upgrade wizard
- E. Run the WEM database management utility on all the WEM brokers

**Answer: AC**

#### NEW QUESTION 43

Scenario: A Citrix Engineer created four application layers with different applications at different time stamps as shown below:

App Layer A – Microsoft Office Professional – 15/08/2019, 14:28

App Layer B – Adobe Acrobat Reader and Cisco Webex – 14/07/2019, 11:45

App Layer C – Active Directory Users & Computers, Citrix Studio – 20/08/2019, 16:10

App Layer D – Google Chrome and GoToMeeting – 27/07/2019, 10:35

Which layer would hold the highest priority in this scenario?

- A. App Layer A
- B. App Layer D
- C. App Layer B
- D. App Layer C

**Answer: D**

#### Explanation:

<https://docs.citrix.com/en-us/citrix-app-layering/4/layer.html>

#### NEW QUESTION 46

Which two statements are valid when designing a Citrix Cloud Disaster Recovery plan? (Choose two.)

- A. Disaster Recovery for Citrix Cloud includes only the components that are NOT within Citrix Cloud.
- B. Citrix Cloud supports multiple zones.
- C. Citrix Cloud does NOT support multiple resource locations.
- D. Local Host Cache (LHC) would NOT be helpful in a Citrix Cloud setup during a Disaster Recovery scenario.

**Answer: CD**

#### NEW QUESTION 50

Scenario: A Citrix Engineer recently changed the XML port in the Citrix Virtual Apps and Desktops site. After the change, the engineer observed that there is an XML communication port mismatch. The engineer immediately identified that the port was only changed on the Delivery Controller and no change was performed on the StoreFront server.

What are the two ways the engineer can change the port on the StoreFront server to match the changes made on the Delivery Controller? (Choose two.)

- A. Run a PowerShell command on the Delivery Controller to change the port on the StoreFront server
- B. Make changes in the web.config file on the StoreFront server
- C. Run a PowerShell command on the StoreFront server
- D. Make changes in the StoreFront settings using the StoreFront console

**Answer:** BC

#### NEW QUESTION 53

Which tool can a Citrix Engineer use as a first step in reviewing issues with Virtual Delivery Agent (VDA) session launch status?

- A. Citrix Diagnostic Facility (CDF) control utility
- B. Citrix XDPING utility
- C. Citrix Health Assistant
- D. Citrix Policy Reporter tool

**Answer:** C

#### Explanation:

<https://support.citrix.com/article/CTX207624>

#### NEW QUESTION 55

How can a Citrix Engineer setup synchronization of subscription data between server groups using a replication schedule?

- A. Execute a Windows PowerShell command on the StoreFront server
- B. Make changes in the subscription file on the StoreFront server
- C. Make changes in the web.config file on the StoreFront server
- D. Use the StoreFront console

**Answer:** B

#### NEW QUESTION 57

What does a Citrix Engineer need to know when adding a new StoreFront server, in terms of StoreFront scalability?

- A. StoreFront server groups containing a combination of operating systems are supported.
- B. All servers in a server group must reside in the same location.
- C. All servers in a server group can reside in multiple locations.
- D. StoreFront server groups containing a combination of StoreFront versions are supported.

**Answer:** B

#### NEW QUESTION 61

What are two valid Redundancy options for the Citrix License Server? (Choose two.)

- A. Use Citrix Application Delivery Management (ADM) High Availability (HA).
- B. Use Citrix Application Delivery Management (ADM) Load Balancing.
- C. Create a standby License Server.
- D. Create a Microsoft cluster with multiple nodes.
- E. Configure a Citrix License Server High Availability (HA) pair.

**Answer:** CD

#### Explanation:

<https://docs.citrix.com/en-us/licensing/current-release/clustered-license-servers.html>

#### NEW QUESTION 65

Scenario: A Citrix Engineer is maintaining a Citrix Virtual Apps and Desktops environment. The engineer has recently deployed a new Workspace Environment Management (WEM) configuration to help improve the performance of published applications and desktops.

In which two ways can the new WEM deployment benefit the user experience? (Choose two.)

- A. Improved overall logon performance for both applications and desktops.
- B. Optimized application availability through advanced traffic management.
- C. Pro-active monitoring of system resources to provide optimal performance.
- D. Enhanced network compression capabilities for both applications and desktops.
- E. Improved Single Sign-on capabilities for both applications and desktops.

**Answer:** AC

#### NEW QUESTION 70

How can a Citrix Engineer restrict end user access to an ICA file?

- A. Disable unneeded HDX channels and redirections

- B. Use HTML5 Receiver
- C. Place the StoreFront URL in the Intranet zone
- D. Restrict Control Panel access and functionality

**Answer:** A

#### NEW QUESTION 74

Scenario: A Citrix Engineer needs to use Citrix App Layering to create layered images for use with a Citrix Virtual Apps and Desktops environment. The environment requires the following (MCS) Machine Creation Services-provisioned images:

Windows 10 Virtual Delivery Agent (VDA) machines with App A, App B, and App C installed  
Windows Server 2016 VDA machines with App A, App B, and App C installed  
The environment is in the middle of long-term hypervisor migration and uses both Citrix Hypervisor and Microsoft Hyper-V to host VDA machines. The images must be available on both hypervisor types.  
The engineer has determined that Elastic and User Layers will NOT be used in this environment.  
In this scenario the engineer will need layered image(s) and OS Layer(s) to meet the image requirements while minimizing administrative effort.

- A. 4; 4
- B. 4; 1
- C. 2; 1
- D. 2; 2
- E. 4; 2
- F. 2; 4

**Answer:** CE

#### NEW QUESTION 76

Which two statements are true regarding the creation of OS Layers with Citrix App Layering? (Choose two.)

- A. When there is a need to update the OS of a layered image, it is ideal to create a new OS Layer.
- B. Virtual machines built as the OS Layer should be joined to a functional Active Directory domain within the infrastructure that will be utilized.
- C. The Windows Updates feature should be left enabled within the OS Layer in case any new updates occur once the OS Layer is deployed.
- D. Any Microsoft products that are updated by the Windows Updates feature should be included in the OS Layer.
- E. For best performance, complete a clean installation of the Windows operating system when building an OS Layer.

**Answer:** DE

#### NEW QUESTION 77

Which three minimum permissions should a Citrix Engineer configure for a user or group in the security settings of the User Layer folder? (Choose three.)

- A. Modify Folder
- B. Create Folder/Append Data
- C. Write Attributes
- D. Read Attributes
- E. List Folder/Read Data

**Answer:** BDE

#### NEW QUESTION 81

Which three layers are stored in the storage repository of the Enterprise Layer Manager (ELM) Appliance? (Choose three.)

- A. Application
- B. User
- C. Platform
- D. OS
- E. Elastic

**Answer:** ACD

#### NEW QUESTION 84

What is a Citrix App Layering recipe?

- A. Documented sequence of steps for integrating applications into Citrix App Layering
- B. Scripts to automate the deployment of a Citrix App Layering infrastructure
- C. Scripts to automate the deployment of applications into Citrix App Layering
- D. Documented sequence of step for installing a Citrix App Layering infrastructure

**Answer:** A

**Explanation:**

<https://docs.citrix.com/en-us/citrix-app-layering/4/layer/app-layering-recipes.html>

#### NEW QUESTION 85

Scenario: A Citrix Engineer is maintaining a Citrix Virtual Apps and Desktops environment with both internal and external users and has deployed Workspace Environment Management (WEM) within the infrastructure to provide resources to users within their sessions. The engineer has recently added a network printer to WEM under the Actions node, using the New Network Printer dialog tab, and wants to limit this printer usage to internal Citrix users, as shown below:

Internal users utilize Windows 10 only  
External users Windows 10 and Windows 2016 machines  
The server network IP address range is from 192.168.10.1 to 192.168.10.200  
The external users are on a public domain  
The Everyone group has already been added to the Assignments node within the WEM console  
The engineer needs to create a Condition based on from within the Filters node and the Matching Result field within WEM to complete this task.

- A. OS Platform type; select Windows 10 from
- B. Client IP Address Match; add the IP address range 192.168.20.50 to 192.168.20.90 to
- C. IP Address Match; add the IP address range 192.168.10.1 to 192.168.10.200 to
- D. Client OS; select Windows 10 from

**Answer:** B

#### NEW QUESTION 89

What is the first step in the migration process of an on-premises Workspace Environment Management (WEM) environment that is currently in production to a WEM Citrix Cloud service?

- A. Reinstall the WEM service agent on managed machines.
- B. Export the data within the database to a SQL file.
- C. Download the migration tool from the WEM service Downloads tab.
- D. Modify permissions on the infrastructure service.

**Answer:** C

#### NEW QUESTION 92

Scenario: A Citrix Engineer has recently implemented Citrix Gateway in a Citrix Virtual Apps and Desktops environment. The engineer has done the testing with the test user account for authentication and enumeration of the published resources. During the authentication at Citrix Gateway, the test user is getting the error "403 - Forbidden: Access is denied." Which two configuration steps are causing this error? (Choose two.)

- A. The StoreFront address in the Citrix Gateway Session Profile matches the site address in StoreFront.
- B. DNS host entry is present on StoreFront to point to the Citrix Gateway virtual server.
- C. The intermediate and root certificates in Citrix Gateway console are NOT linked.
- D. The call back address is set to HTTP.

**Answer:** CD

#### Explanation:

<https://support.citrix.com/article/CTX206900>

#### NEW QUESTION 97

Scenario: A Citrix Engineer needs to make a change to the OS Layer. The OS Layer is currently used in several layered images that include different application layers. Which two steps should the engineer take to make the necessary changes to the OS Layer and the layered images while minimizing administrative effort? (Choose two.)

- A. Update all application layers associated with the existing OS Layer.
- B. Recreate all application layers associated with the existing OS Layer.
- C. Create new templates that include the required layers.
- D. Update the existing OS Layer with the needed changes.
- E. Update all templates that include the existing OS Layer.
- F. Create a new OS Layer with the needed changes.

**Answer:** BD

#### NEW QUESTION 102

Which type of application does the User Layer support?

- A. Applications that modify the network stack
- B. Applications that modify hardware

- C. Applications with boot level drivers
- D. Applications that contain add-ins

**Answer:** D

**NEW QUESTION 106**

Which file is used to store a subscription on the Storefront server?

- A. PersistentDictionary.edb
- B. Web.config
- C. Subscription.txt
- D. Style.csv

**Answer:** A

**Explanation:**

<https://www.citrix.com/blogs/2014/10/10/what-subscriptions-and-server-groups-mean-for-storefront-designs/>

**NEW QUESTION 107**

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