



**Citrix**

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

Citrix Virtual Apps and Desktops 7 Advanced Administration

#### NEW QUESTION 1

Within Workspace Environment Management (WEM), the engineer needs to increase the default Active Directory search timeout value of under the option of Active Directory Objects to correct this issue.

- A. 1000; Advanced
- B. 1000; Rules
- C. 500; Advanced
- D. 500; Rules

**Answer:** A

#### Explanation:

<https://support.citrix.com/article/CTX233387>

#### NEW QUESTION 2

Which three components will be available during a SQL Server outage? (Choose three.)

- A. Hosted Windows and Browser Applications
- B. Personal Desktops
- C. Hosted Shared Desktops
- D. Remote PC Desktop (for Automatic enrollment)
- E. Citrix Studio

**Answer:** ABC

#### NEW QUESTION 3

Which two Citrix Diagnostic tools can upload files directly to Citrix Insight Services (CIS)? (Choose two.)

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

**Answer:** AB

#### NEW QUESTION 4

Which command should a Citrix Engineer use to review recent connections and brokering attempts within a Citrix Virtual Apps and Desktops site?

- A. Get-BrokerConnection
- B. Get-BrokerSession
- C. Get-BrokerConnectionLog
- D. Get-BrokerSessionLog

**Answer:** C

#### NEW QUESTION 5

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 6

Which two considerations should a Citrix Engineer be aware of when creating application layers with Citrix App Layering? (Choose two.)

- A. Windows and Application updates should be turned off.
- B. Applications should be installed onto the packaging machine from an ISO or a fileshare location.
- C. There is no support for applications that require prerequisites in order to operate.
- D. Install the appropriate hypervisor tools on the packaging machine at the same time the applications are installed.
- E. Cross-talk between application layers is NOT supported after they are published in Citrix App Layering.

**Answer:** AB

#### Explanation:

<https://support.citrix.com/article/CTX225371>

- Install apps from a share or an ISO versus downloading them to the desktop to keep layer size to a minimum.  
- Turn off automatic updates for applications. If automatic updates are left on, the updates will be put into the personalization layer. -- If this happens, you can use the "reinstall" feature to take back control of the application, and clearing the personalization layer of these conflicts/updates. - When installing an application that requires being part of a domain, it is ok to add the installation machine to the domain. -- After installing the application, remove the installation machine from the domain. -- Clean up the left over computer object in active directory - Installation machines can be added to View pools. Remember to remove them before finalizing the layer. This will prevent View certificate

information from being saved in the layer.

#### NEW QUESTION 7

Scenario: A Citrix Engineer is working on an existing Citrix Virtual Apps and Desktops environment with two Delivery Controllers each in Primary zone and Secondary zone located in two different datacenters respectively. Due to an outage in the Primary zone datacenter, both Delivery Controllers in the Primary zone failed to start.

Which three statements will be true in this scenario? (Choose three.)

- A. Site performance will increasingly degrade until the Delivery Controllers in the Primary zone become available.
- B. Connections to Virtual Delivery Agent (VDA) machines in the Secondary zone cannot be made.
- C. Studio cannot connect to the site.
- D. Connections to Virtual Delivery Agent (VDA) machines in the Primary zone cannot be made.
- E. Existing sessions in the Primary zone will be disconnected.

**Answer:** ACD

#### NEW QUESTION 8

Which statement is true regarding Citrix Workspace Environment Management (WEM) Agent?

- A. WEM Agent synchronizes with the WEM Infrastructure Service on port TCP 8287.
- B. WEM Agent can be installed on the Citrix Workspace Environment Management Infrastructure Services server.
- C. WEM Agent can be installed on either a Windows Desktop OS or on a Windows Server OS.
- D. Norskale Agent Host Service manages WEM Agent and it runs under Network Service.

**Answer:** C

#### Explanation:

<https://docs.citrix.com/en-us/workspace-environment-management/current-release/install-and-configure/agent-h>

#### NEW QUESTION 9

A Citrix Engineer needs to return an environment back to normal operations after a Disaster Recovery (DR) occurred.

Which two tasks does Citrix recommend to move the users from the backup datacenter to the primary datacenter? (Choose two.)

- A. Terminate existing user sessions.
- B. Block access to the Disaster Recovery datacenter.
- C. Enable access to the primary datacenter.
- D. Block access to the primary datacenter.
- E. Enable access to the Disaster Recovery datacenter.

**Answer:** BC

#### NEW QUESTION 10

Which three layers can a Citrix Engineer include in an image template? (Choose three.)

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

**Answer:** ABD

#### Explanation:

<https://docs.citrix.com/en-us/citrix-app-layering/4/publish/create-image-template.html>

#### NEW QUESTION 10

Scenario: An existing setup of session recording has stopped working. After investigating, a Citrix Engineer finds that the Session Recording Agent cannot connect to the Session Recording Server. The following error is displayed:

"The underlying connection was closed. Could not establish a trust relationship for the SSL/TLS secure channel. "

Which two issues could cause this error? (Choose two.)

- A. The Session Recording server is down or unavailable to accept requests.
- B. The sessions are started but a request for a record policy evaluation was NOT made.
- C. The server hosting the Session Recording Agent does NOT have a CA certificate.
- D. The Session Recording server is using a certificate signed by a CA that the server hosting the Session Recording Agent does NOT trust.

**Answer:** CD

#### Explanation:

"The underlying connection was closed. Could not establish a trust relationship for the SSL/TLS secure channel. This exception means that the Session Recording Server is using a certificate that is signed by a CA that the server on which the Session Recording Agent resides does not trust, or have a CA certificate for. Alternatively, the certificate might have expired or been revoked."

<https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/monitor/session-recording/troubleshooting.html>

#### NEW QUESTION 12

Which FlexCast Management Architecture (FMA) service failure can cause issues, when accessing Citrix Studio?

- A. Citrix Analytics
- B. Citrix Configuration Logging Service
- C. Citrix Broker Service
- D. Citrix Configuration Service

**Answer:** C

#### NEW QUESTION 16

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 18

Scenario: A Citrix Engineer noticed that a Citrix Virtual Apps and Desktops environment lost connection to the SQL servers where the Citrix databases are running. Due to this, the Site has become unmanaged and first- time users CANNOT connect to their Citrix Virtual Apps & Desktops resources. The setup was recently upgraded from Citrix Virtual Apps and Desktops 7.11 to Citrix Virtual Apps and Desktops 7.15 CU4. What should the engineer do to minimize the impact of the SQL outage?

- A. Enable Connection Leasing.
- B. Enable IntelliCache.
- C. Enable Local Host Cache.
- D. Configure Citrix Database Cache.

**Answer:** C

#### Explanation:

<https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/manage-deployment/local-host-cache.html#:~:tex>

#### NEW QUESTION 20

Which PowerShell cmdlet is used to check the connection string, which connects the Citrix Delivery Controller to communicate to the site database?

- A. Get-BrokerServiceInstance
- B. Get-BrokerDbconnection
- C. Get-BrokerConnectionLog
- D. Get-BrokerInstalledDbVersion

**Answer:** B

#### NEW QUESTION 21

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 22

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 23

How can a Citrix Engineer use Session-Based Computing/Hosted Virtual Desktop (SBC/HVD) Tuning to optimize a user's desktop?

- A. Control user permissions to external drives.
- B. Intelligently modify CPU resource allocation.
- C. Modify settings that improve the user experience.
- D. Enable Single Sign-on to the virtual desktop.

**Answer:** C

**Explanation:**

<https://docs.citrix.com/en-us/workspace-environment-management/current-release/user-interface-description/pol>

**NEW QUESTION 24**

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 27**

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 29**

Scenario: A newly created Citrix Virtual Apps and Desktops site has sensitive information. The users consistently use different browsers for their daily tasks. A Citrix Engineer is looking for ways to minimize attacks like ransomware, phishing, and session hijacking.

Which two steps can the engineer take to minimize attacks without interfering with user productivity? (Choose two.)

- A. Disable access to specific browsers.
- B. Disable all the user plugins.
- C. Implement HTTP Strict Transport Security (HSTS).
- D. Use HTTP response headers to send security policies to endpoint browsers.

**Answer:** BC

**Explanation:**

[https://cheatsheetseries.owasp.org/cheatsheets/HTTP\\_Strict\\_Transport\\_Security\\_Cheat\\_Sheet.html](https://cheatsheetseries.owasp.org/cheatsheets/HTTP_Strict_Transport_Security_Cheat_Sheet.html)

**NEW QUESTION 30**

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 34**

Scenario: A Citrix Engineer is managing Virtual Delivery Agent (VDA) registrations in a Citrix Virtual Apps and Desktops environment.

In which two types of deployments will the auto-update policy for VDA registration be self-managed? (Choose two.)

- A. Deployments that use Citrix Provisioning with a write cache drive.
- B. Deployments that use the Delivery Controllers or Controller SIDs policy setting.
- C. Deployments that do NOT use Controller groups.
- D. Deployments that use ListOfSIDs.

**Answer:** BD

**NEW QUESTION 39**

Which three pre-requisites should a Citrix Engineer take into consideration when configuring Smart Card authentication in the Citrix Virtual Apps and Desktops environment? (Choose three.)

- A. Install the vendor's Smart Card middleware on the virtual or physical machines running the Virtual Delivery Agent (VDA) that provide user's desktops and applications.
- B. Enable pass-through with Smart Card authentication to ensure Smart Card readers type, middleware type and configuration, and middleware PIN caching policy permit this.
- C. Enable a two-way trust relationship with the StoreFront server and the domain.
- D. Ensure that the public-key infrastructure (PKI) is configured appropriately.
- E. Ensure that Domain Passthrough authentication for the Store is on the StoreFront server.

**Answer:** ACD

**Explanation:**

<https://docs.citrix.com/en-us/storefront/1912-ltsr/configure-authentication-and-delegation/configure-smart-card>.

**NEW QUESTION 44**

Which two considerations should a Citrix Engineer be aware of when building Platform Layers within a multi- hypervisor Citrix App Layering environment? (Choose two.)

- A. Platform Layers allow for publishing a Layered Image.
- B. Platform Layers are optional and are NOT required when publishing a Layered Image base.
- C. The Enterprise Layer Manager (ELM) Repository storage maintains a maximum limit of five Platform Layers that can be built and maintained on it at a given time.
- D. There needs to be one Platform Layer per targeted virtual environment considering the provisioning type and hypervisor destination.

**Answer:** AD

**NEW QUESTION 45**

Scenario: A Citrix Engineer is working on a StoreFront subscription synchronization issue in an existing Citrix Virtual Apps and Desktops environment. One StoreFront server is in the New York datacenter and another in the San Francisco datacenter. The servers are NOT in the same group. The engineer has run all the required PowerShell commands on both StoreFront servers.

In which local Windows user group of each StoreFront server should the engineer add the Microsoft Active Directory domain machine accounts?

- A. CitrixSubscriptionServerUsers
- B. CitrixClusterMembers
- C. CitrixSubscriptionsStoreServiceUsers
- D. CitrixSubscriptionsSyncUsers

**Answer:** D

**Explanation:**

<https://support.citrix.com/article/CTX236466>

**NEW QUESTION 50**

Which two components are hosted in Citrix Cloud when using Workspace Environment Management (WEM) service? (Choose two.)

- A. Microsoft SQL Server database
- B. Active Directory Infrastructure
- C. WEM Infrastructure Service
- D. All machines with WEM Agent installed

**Answer:** AC

**NEW QUESTION 53**

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 55**

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 60**

Scenario: A Citrix Engineer is deploying a Citrix Virtual Apps and Desktops environment. The engineer noticed some Virtual Delivery Agent (VDA) machines are having registration issues.

Which three items should the engineer review within the company infrastructure to determine the root cause of the issue? (Choose three.)

- A. Time synchronization (NTP) configuration of the VDA machines with the domain



- B. The SSL certificates on the VDA machines and the Delivery Controller servers
- C. The VDA machines registry setting for ListOfDDCs entries
- D. DNS configurations on either the VDA machines or the Delivery Controller servers
- E. A firewall with a blocked or failing inbound port 8080

**Answer:** ACD

**Explanation:**

<https://www.citrix.com/blogs/2018/02/13/the-most-common-vda-registration-issues-troubleshooting-steps/>

**NEW QUESTION 62**

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 63**

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 68**

Scenario: A Citrix Engineer is maintaining a Citrix Virtual Apps environment. The engineer has recently noticed two single-threaded applications consistently consuming 25% of the CPU resources, causing substantial performance issues for users of these servers. The engineer has deployed Workspace Environment Management (WEM) within the infrastructure and enabled CPU Spikes Protection.

What else can the engineer enable within WEM to address this issue?

- A. Exclude Specified Processes and add the two problem applications
- B. Process Affinity and add the two problem applications
- C. CPU Clamping and set it to 10% for the two problem applications
- D. Limit Sample Time and set it to 10% for the two problem applications

**Answer:** C

**NEW QUESTION 71**

Which two statements are true when Citrix App Layering is used with Citrix Virtual Apps and Desktops? (Choose two.)

- A. Citrix App Layering offers all the same functionality as Citrix Provisioning (PVS).
- B. Citrix App Layering simplifies application deployments and updates.
- C. Citrix App Layering reduces management of multiple golden images.
- D. Citrix Machine Creation Services (MCS) catalogs can be updated within the Citrix App Layering Management console.

**Answer:** BC

**Explanation:**

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

**NEW QUESTION 72**

Which step does a Citrix Engineer need to perform prior to installing the applications when creating an application layer?

- A. Run the Citrix App Layering Image Preparation Utility
- B. Select the OS Layer version to be assigned to the packaging machine
- C. Install Windows updates on the packaging machine
- D. Verify that the layer is listed as Deployable in the Citrix App Layering Management Console

**Answer:** B

**NEW QUESTION 76**

Scenario: A Citrix Engineer needs to integrate the current Citrix Gateway with the StoreFront servers. During the wizard setup, the engineer was asked to add two Secure Ticket Authority (STA) servers as Citrix leading practice for high availability.

The engineer should add two servers as STA servers to accomplish this.

- A. Delivery Controller
- B. StoreFront

- C. Citrix Cloud Connector
- D. Domain Controller

**Answer:** C

#### NEW QUESTION 81

Scenario: A Citrix user is accessing a Windows 10 VDI machine using a personal laptop. The VDI is becoming unregistered frequently, which is making it difficult for the user to access it. In order to troubleshoot the issue, a Citrix Engineer is assigned to collect CDF logs.

On which two components should the engineer run Citrix Diagnostic Facility (CDF) control to capture the required logs? (Choose two.)

- A. Windows 10 VDI
- B. Delivery Controller
- C. StoreFront server
- D. User's personal laptop

**Answer:** AB

#### Explanation:

<https://support.citrix.com/article/CTX224308>

#### NEW QUESTION 86

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 87

What does a Citrix Engineer need to consider when upgrading the Workspace Environment Management (WEM) Administration Console?

- A. The PowerShell command New-DatabaseConfiguration must be run prior to updating the Administration Console.
- B. The Agent must be upgraded prior to upgrading the Administration Console.
- C. The associated .DLL files must be updated using the command-line interface after upgrading the Administration Console.
- D. The infrastructure service and the database must be upgraded prior to upgrading the Administration Console.

**Answer:** D

#### Explanation:

<https://docs.citrix.com/en-us/workspace-environment-management/current-release/upgrade.html>

#### NEW QUESTION 92

Scenario: An organization has two Citrix Virtual Apps and Desktop Sites; Site A and Site B. Both Sites have their own StoreFront and Citrix ADC. The resource group is placed in Site B. A user from Site A tries to logon and launch an application from Site B.

The enumeration will occur through StoreFront Site and the application launch will occur through Citrix ADC Site when Optimal Gateway routing is configured.

- A. B; A
- B. A; A
- C. B; B
- D. A; B

**Answer:** D

#### NEW QUESTION 96

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 101

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 104

Which User Layer requires the least amount of administrative effort to store user settings limited to Microsoft Outlook data and settings for a hosted shared desktop solution based on Windows Server 2012?

- A. Session Office 365
- B. Citrix Profile Management with Full
- C. Full
- D. Office 365

**Answer:** A

**Explanation:**

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

#### NEW QUESTION 109

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 112

What is the first step that the Enterprise Layer Manager (ELM) server takes when creating application layers?

- A. Once the engineer manually creates the packaging machine, the ELM server initiates a connection to the packaging machine
- B. Once a packaging machine is created, the next step is to finalize the targeted installation, using the application layering finalization software
- C. Once the process to create a layer is initiated from the Layering Management Console, the ELM server then uses a connector to build a packaging machine
- D. Once the packaging machine is finalized, any application installation or configuration should be performed and completed

**Answer:** C

#### NEW QUESTION 116

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