

1Y0-253 Implementing Citrix NetScaler 10.5 for App and Desktop Solutions Practice Exam (Demo)

Section 2: Designing the NetScaler implementation

2.02

Objective: Determine the authentication methods in the environment

1. **Scenario:** A company has a multi-domain environment. Company policy states that users must authenticate directly against the Microsoft Windows Server 2012 Active Directory (AD) servers using their respective User Principal Name (UPN) at all times. Also, the users should only have to authenticate one time to access web applications across domains.

Which two authentication protocols should a Citrix Administrator configure to meet the requirements? (Choose two.)

- a. LDAP
- b. OCSP
- c. SAML
- d. RADIUS
- e. TACACS+

Answer: a.c.

Explanation: To require users to authenticate directly against Windows Server 2012 AD servers, part of the process is enabling support for the SAML 2.0 WebSSO protocol. The purpose of SAML is to enable Single Sign-On for web applications across various domains. LDAP is the method of authentication. Configure the values for LDAP attributes by using Issuance

The only test preparation products trusted by Citrix Systems.

Transform Rules and use the template Send LDAP Attributes as Claims. Then configure LDAP settings, which include UPN.

Source: Configuring SAML Authentication on NetScaler Gateway

<http://docs.citrix.com/en-us/netscaler-gateway/10-5/ng-configuration-mgmt-wrapper-con/ng-authen-authoriz-wrapper-con/ng-authen-saml-con.html>

Configuring Single Sign-on to Web Applications by Using LDAP

<http://docs.citrix.com/en-us/netscaler-gateway/10-5/ng-connect-users-wrapper-con/ng-plugin-config-connection-wrapper-con/ng-plugin-sso-overview-con/ng-plugin-sso-web-apps-tsk/ng-plugin-sso-web-apps-ldap-tsk.html>

Section 3: Building the solution to enable remote access

3.01

Objective: Prepare the NetScaler for initialization

2. To manually set the date and time on a NetScaler appliance, a Citrix Administrator should use which command line syntax?
 - a. date +val DDMMYYHHMM
 - b. date +val YYMMDDHHMM
 - c. date +val DDMMYYYYHHMM
 - d. date +val YYYYMMDDHHMM

Answer: b.

Explanation: To change the time on a NetScaler appliance, use the date command with the +val (value) parameter followed by the full date and

time. #date +val YYMMDDHHMM where: YY = Year, MM = Month, DD = Day, HH = Hour, MM = Minutes. Complete the following steps to manually set the time on a NetScaler appliance: Switch to the shell prompt in the command line interface of the appliance. The following command is an example. In this scenario the NetScaler appliance must be set to 10:13 am on May 22, 2016: # date +val 1605221013

Source: How to Manually Set the Time on a NetScaler Appliance

<https://support.citrix.com/article/CTX121356>

3.06

Objective: Install SSL Certificates

3. Which task should a Citrix Administrator perform on a NetScaler when a server certificate and an intermediate certificate are installed?
 - a. Sign the server certificate.
 - b. Remove the intermediate certificate.
 - c. Link the intermediate certificate to the server certificate.
 - d. Merge the server certificate with the intermediate certificate.

Answer: c.

Explanation: When a server certificate and intermediate certificate are installed on a NetScaler, the intermediate certificate should be linked to the server certificate. To link the certificates, on the SSL Certificates page of the configuration utility, select the server certificate to which the intermediate certificate will be linked. Click Link.

Source: Configuring Intermediate Certificates

<http://docs.citrix.com/en-us/netscaler-gateway/10-5/ng-configuration-mgmt-wrapper-con/ng-certificate-wrapper-con/ng-config-intermediate-cert-tsk.html>

3.11

Objective: Configure NetScaler Gateway settings

4. A Citrix Administrator configured SmartAccess Mode as the connection type on a Virtual Server.

This configuration will allow users to log on with _____, _____, and SmartAccess. (Choose the two correct options to complete the sentence.)

- a. Worx Home
- b. double-hop
- c. Clientless Access
- d. the NetScaler Plug-in
- e. ICA proxy session migration

Answer: a.d.

Explanation: To configure NetScaler Gateway to allow users to logon with Worx Home, the NetScaler Plug-in, and SmartAccess (which allows the use of SmartAccess, endpoint analysis, and network layer tunneling functions) in the configuration utility, on the Configuration tab, in the navigation pane, expand NetScaler Gateway and then click Virtual Servers. In the details pane, click Add. In Name, type a name for the virtual server. In IP Address and Port, type the IP address and port number for the virtual server. Click SmartAccess Mode. Click Create and Close.

Source: Configuring Connection Types on the Virtual Server

<http://docs.citrix.com/en-us/netscaler-gateway/10-5/ng-configuration-mgmt-wrapper-con/ng-configure-vservers-wrapper-con/ng-virtual-server-ica-only-connections-tsk.html>

3.15

Objective: Configure basic networking

5. If a static route goes down, a Citrix Administrator must manually delete the inactive primary static route unless the static route is configured as a _____ route. (Choose the correct option to complete the question.)
- a. ECMP
 - b. backup
 - c. monitored
 - d. policy-based

Answer: c.

Explanation: If a manually created (static) route goes down, a backup route is not automatically activated. An administrator must manually delete the inactive primary static route unless the static route is configured as a monitored route. In that case, the NetScaler appliance can automatically activate a backup route.

Source: Configuring Static Routes

<http://docs.citrix.com/en-us/netscaler/10-5/ns-nw-gen-wrapper-10-con/ns-nw-iprouting-intro-wrapper-con/ns-nw-iprouting-config-static-routs-tsk.html>

Section 4: Securing the NetScaler

4.04

Objective: Set up two factor authentication

6. When setting up two-factor authentication on NetScaler Gateway for mobile devices, which two actions are required by the Citrix Administrator? (Choose two.)
- a. Create a SAML authentication server.
 - b. Create an LDAP authentication server.
 - c. Bind SAML as the Primary authentication policy.
 - d. Bind LDAP as the Secondary authentication policy.
 - e. Bind RADIUS as the Secondary authentication policy.

Answer: b.d.

Explanation: When configuring the NetScaler Gateway Virtual Server, you can specify both a Primary authentication policy and a Secondary authentication policy. Users are required to successfully authenticate against both before being authorized for NetScaler Gateway. For Native Citrix Receivers (non-browser including mobile), the authentication policies are: Primary = RADIUS authentication policy pointing to RSA servers with RADIUS enabled. Secondary = LDAPS authentication policy pointing to Active Directory Domain Controllers.

Source: NetScaler Gateway RADIUS Authentication

<http://www.carlstalhood.com/netscaler-gateway-radius-authentication/>

Section 6: Configuring redundancy

6.05

Objective: Configure redundancy for the virtual server

7. **Scenario:** A Citrix Administrator configured a load balancing virtual server with both a backup virtual server and a redirect URL. The backup virtual server takes precedence over the redirect URL.

In which case would the redirect URL be used?

- a. When services bound to virtual servers are OUT OF SERVICE.
- b. Only when more than 50% of cascading backup virtual servers are down.
- c. Only if the primary virtual server is configured to be manually enabled when it comes back up.
- d. When multiple virtual servers connect to two servers and the primary virtual server goes DOWN.

Answer: a.

Explanation: Configure a redirect URL on the primary load balancing virtual server as a fallback for when both the primary and the backup virtual servers are DOWN or have reached their threshold for handling requests. When services bound to virtual servers are OUT OF SERVICE, the appliance uses the redirect URL.

Source: Configuring a Backup Load Balancing Virtual Server

<http://docs.citrix.com/en-us/netScaler/10-5/ns-tmg-wrapper-10-con/ns-lb-wrapper-con-10/ns-lb-protect-wrapper-con/ns-lb-protect-config-backupvserver-tsk.html>

Section 9: Troubleshooting issues on NetScaler

9.02

Objective: Troubleshoot license issues

8. **Scenario:** A Citrix Administrator is installing a four node clustered setup with NetScaler. The administrator set up the configuration coordinator and added one node. When the administrator tried to add the last two nodes to the cluster, the operation failed on both nodes.

Which action should the administrator take to resolve the issue?

- a. Run the sync cluster files command on the faulty nodes.
- b. Run the enable cluster instance command on the faulty nodes.
- c. Check for the correct cluster license file in /nsconfig/license directory on the faulty nodes.
- d. Check the SNIP address and VLAN configurations of the faulty nodes to see if they match the working nodes.

Answer: c.

Explanation: Every appliance that is added to a cluster must have a copy of the cluster license file in the /nsconfig/license/ directory. Additionally, every appliance must have the same license files available.

Source: Troubleshooting Common Issues

<http://docs.citrix.com/en-us/netscaler/10-5/ns-system-wrapper-10-con/ns-cluster-home-con/ns-cluster-troubleshoot-ref/ns-cluster-trouble-tip-ref.html>

9.06

Objective: Use "show techsupport" command

9. **Scenario:** A support case has been created with Citrix Technical Support to troubleshoot an issue. Citrix Technical Support has requested that a Citrix Administrator create an archive of the system configuration data and statistics for submission to Citrix Technical Support so they can further investigate the issue.

The administrator could _____ and _____ to retrieve the requested archive. (Choose the two correct options to complete the sentence.)

- a. type the command 'call home'
- b. download the files using WinSCP
- c. type the command 'show techsupport'
- d. type the command 'show system core'
- e. download a support request file from Citrix Technical Support

Answer: b.c.

Explanation: To obtain the collector file by using the command line interface, run the following command: 'show techsupport'. After the appliance generates the collector archive the location of the file is displayed. Download the file from the appliance using a Secure FTP (SFTP) or Secure Copy (SCP) utility, such as WinSCP, and upload it to Citrix Technical Support for analysis.

Source: How to Collect Diagnostic Bundle Files from a NetScaler Appliance

<http://support.citrix.com/article/CTX127900>