

1Y0-231: Deploy and Manage Citrix ADC 13 with Citrix Gateway

Exam Preparation Guide 1.0

January 21, 2021

citrix

Disclaimer

This exam preparation guide is designed to provide candidates with necessary information about the **1Y0-231** exam, including study resources and ways to interpret the exam objectives to better enable candidates to assess the types of questions that may be asked during the exam. Please be aware that the content of this guide in no way ensures a passing score on the certification exam.



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Exam Overview

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Number of Items

The 1Y0-231 exam is a 70-question exam written in English. Some of the items on this exam will not be scored and thus will not affect your final result in any way. The unscored items are included in this exam solely for research purposes.

Passing Score

The passing score for this exam is 68%.

Time Limit

Type of Candidate	Time Limits*	Notes
Native English speakers	105 minutes	
Non-native English speakers that take the exam in countries where English is a foreign language	105 minutes +30 minutes (time extension)	Time extension granted automatically
Non-native English speakers that take the exam in countries where English is NOT a foreign language	105 minutes +30 minutes (time extension)	Must request time extension from Citrix. Submit your request here: Time Extension Request

The total time limit for this exam is 140 minutes. The total seat time is 105 + 35 minutes. The total seat time includes times allotted for the NDA and surveys.

Intended Audience

The 1Y0-231 exam was developed to measure the minimum knowledge and skills required to implement Citrix ADC 13 with Citrix Gateway solutions. Passing this exam means a candidate demonstrated the minimum requisite knowledge and skills required of Citrix App Delivery and Security professionals who can install, manage and support Citrix ADC 13 and Citrix Gateway in enterprise environments. The tasks tested in this exam will represent those skills, which are deemed most important, based on high criticality ratings, to perform the job of application delivery and security with Citrix ADC and Citrix Gateway.

Primary Audience:

- Systems Engineers
- Systems Administrators
- Citrix Administrators
- Citrix Engineers
- Network Engineers
- Network Administrators

Registration and Administration

This exam is administered at Pearson VUE testing centers worldwide. To learn more about the rules and process of taking an exam, please visit <https://training.citrix.com/learning/certification-policies>.

Worldwide, visit the Pearson VUE website (<http://home.pearsonvue.com/citrix>) to locate a testing center in your area and register for an exam OR to take exam from Home or Office (Online remote proctoring) . You may also register in person at any Pearson VUE testing center. If you reside in the United States or Canada, you may also register by calling 1-800-931-4084.

Note: A \$7 USD surcharge will be added to phone registrations.

Retake Policy

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Candidates must wait 24 hours from their original appointment time before they can register to retake an exam. After a second attempt, and any attempt thereafter, the candidate must wait 14 calendar days to retake the exam.

Breach of this policy can result in sanctions up to and including a ban from taking Citrix exams and/or decertification.

For more information about our policies, including the Citrix Exam Retake Policy and the Candidate Conduct Policy, please visit <https://training.citrix.com/learning/certification-policies>.



Prepping for the Exam

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Recommended Knowledge and Skills

Candidates should have knowledge of the following prior to taking this exam:

- Basic Networking, including L1 – L7 and traffic flow
- Windows and Linux Server administration
- Experience with Citrix virtualization technologies, such as Citrix Virtual Apps and Desktops and StoreFront
- Basic knowledge of Microsoft SQL Server or enterprise database servers
- Experience with Active Directory and Group Policy
- Basic understanding of Microsoft Remote Desktop Services
- Basic understanding of VPN concepts, including SSL encryption and certificates
- Basic knowledge of RegEx (regular expressions)
- Basic knowledge of multi-factor authentication methods, including SAML, Okta and OAuth

Recommended Product Experience

We recommend that candidates have about six months of experience with the following topics in a Citrix ADC 13 with Citrix Gateway solution:

- Getting Started with Citrix ADC
- Basic Networking
- Citrix ADC Platforms
- High Availability
- Load Balancing
- SSL Offload
- Securing the Citrix ADC
- Troubleshooting Citrix ADC
- Citrix Gateway
- AppExpert
- Authentication and Authorization
- Managing Client Connections
- Integration for Citrix Virtual Apps and Desktops Solutions
- Customizing Citrix Gateway

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Recommended Training

Citrix Education recommends that candidates have hands-on experience with Citrix ADC 13, prior to taking this exam. One of the best ways to do this is by taking a formal Citrix training course. The following course provides training on Citrix ADC 13 and Citrix Gateway solutions.

- [CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway](#)

As with all Citrix exams, it is recommended that candidates get hands-on experience by working directly with products covered on the exam.

Unauthorized Preparation Materials

Citrix Education monitors exam results to ensure that candidates are not using unauthorized materials to prepare for exams. If it is determined that a candidate used unauthorized materials to prepare for an exam, the candidate's score will be invalidated and his or her certification will be revoked.

When looking for materials in addition to authorized Citrix training to prepare for certification, Citrix Education recommends that you visit <http://www.certguard.com> to ensure that a site is indeed legitimate. This site flags websites that are acting as brain dumps, which have unauthorized materials.

Section Titles and Weights

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Section	Weight
Section 1: Getting Started	5%
Section 2: Basic Networking	8%
Section 3: Citrix ADC Platforms	5%
Section 4: High Availability	6%
Section 5: Load Balancing	8%
Section 6: SSL Offload	6%
Section 7: Securing the Citrix ADC	6%
Section 8: Troubleshooting	8%
Section 9: Citrix Gateway	5%
Section 10: AppExpert	6%
Section 11: Authentication and Authorization	14%
Section 12: Managing Client Connections	10%
Section 13: Integration for Citrix Virtual Apps and Desktops Solutions	8%
Section 14: Customizing Citrix Gateway	5%
TOTAL	100%

The section weights included in this guide are intended to help you in understanding how much of the exam is devoted to the topics listed. In fact, the percentages directly map to the number of questions on the exam. For example, if an exam has 60 questions, and Section 1 is weighted at 50%, then 30 of the questions on the exam will relate to Section 1 ($60 \times 50\% = 30$).

Please be warned that section weights are NOT used to calculate your score. Scoring is far more complicated as exam questions may be given different weights based on their overall importance. Because some questions may have different point values assigned to them, section weights and exam scores do not always have a one-to-one correlation.

For more information on how scoring works in Citrix exams read the blog [The Scoring Secrets for Citrix Exams - Divulged](#).

Interpretation of Objectives

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Candidates should refer to the objectives and examples listed in this guide in order to determine which topics will be on the exam, as well as examples of the topics that could be tested.

For example, if the objective reads “Configure monitors” and one of the examples reads, “determine when to use which type of monitor,” exam-takers could expect to see:

- A question that requires determining which type of monitor to configure...
 - *Which type of monitor should a Citrix Administrator configure...*
- ...based on given requirement(s)
 - *...to validate that a specific text string is returned in a web server response?*

Note: The examples listed in the “Sections, Objectives, Examples and References” section of this guide do NOT encompass all potential topics that could be tested. The examples are only provided as guidance.

The objectives and examples for this exam were developed by Exam Project Managers and Subject Matter Experts (SMEs) based on identified tasks that related to installing, managing and/or supporting Citrix ADC 13 with Citrix Gateway in enterprise environments.

The number of questions written for each objective relates directly to the importance of that objective and is proportional to how frequently that task is performed.

Sections, Objectives and References

- Citrix Product Documentation: <https://docs.citrix.com>
- Citrix Support: <https://www.citrix.com/support>
- Citrix Blogs: <https://www.citrix.com/blogs/>

Objective Number	Objective	References
Section 1: Getting Started		
1.01	Understand the Citrix ADC architecture and functionality.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Modules 1 and 2) https://www.citrix.com/blogs/2012/03/08/connection-multiplexing-in-netscaler/ https://citrixexams.sharefile.com/d-s45f639ecb9924aef9b988ae7e2216097
1.02	Identify Citrix ADC hardware and its components.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Modules 1 and 3) https://citrixexams.sharefile.com/d-sac728bae7e8049c0a8c8c6b4ac23f057 https://www.citrix.com/content/dam/citrix/en_us/documents/data-sheet/citrix-adc-data-sheet.pdf
1.03	Determine the deployment and licensing options for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Modules 1 and 2) https://www.citrix.com/blogs/2018/06/20/citrix-networking-a-licence-to-thrill/ https://citrixexams.sharefile.com/d-s2bd4b5cba95c4f508563e06e204037dc
1.04	Determine how to setup and configure Citrix ADC.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2) https://citrixexams.sharefile.com/d-s5f865435a73a473e9e00273337c51a31 https://citrixexams.sharefile.com/d-s2bd5c3d8836547c39b55061bfe73aa02 https://support.citrix.com/article/CTX128894

Objective Number	Objective	References
Section 2: Basic Networking		
2.01	Determine which networking topology to use with Citrix ADC based on given requirements.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2) https://citrixexams.sharefile.com/d-sa50c838f10f84f7ebbbb67e8d5ee5c36 https://citrixexams.sharefile.com/d-sfda5e715125d460da9596352cf522404
2.02	Determine which interfaces IP address types and VLANS to use during configuration of a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2) https://citrixexams.sharefile.com/d-sbd79971d2c244e238543bf4efbf2f066 https://citrixexams.sharefile.com/d-s80934504c90e44c3ad6e736f04db8d90
2.03	Identify which Citrix ADC routing and traffic-handling mode should be used for a given environment	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2) https://citrixexams.sharefile.com/d-sc6e0e0a6ff104f56a583a512e2bee01b
2.04	Determine how to configure Access Control Lists based on given requirements.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2) https://citrixexams.sharefile.com/d-s85f38ad8e65b4bc4b2b50d58069e2cd8 https://citrixexams.sharefile.com/d-s431b818d6aeb475986ba4b440ce114d3
Section 3: Citrix ADC Platforms		
3.01	Determine which hardware to use (Citrix ADC MPX, VPX, CPX, BLX or SDX) when given a use case.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 3) https://citrixexams.sharefile.com/d-s057ca62e2d764949838f6fa51a256ff0 https://citrixexams.sharefile.com/d-sbb94988493cf4d1483cbca923553513a https://citrixexams.sharefile.com/d-scc770ee384ed4a77837c633504af8275

Objective Number	Objective	References
3.02	Identify the pieces of the multi-tenant structure for Citrix ADC SDX.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 3) https://citrixexams.sharefile.com/d-sb8a7c703251e40d7b599cce8e7c78384 https://citrixexams.sharefile.com/d-s392874f4721a482baed99949dbaaf207
3.03	Determine the specific function of the SDX when given various SDX interface allocation scenarios	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 2 and 3) https://citrixexams.sharefile.com/d-s1497f0da6fcb46cfb808cf7faae4e4d2 https://citrixexams.sharefile.com/d-sfe33fdfb676d41e693ec37e4917e69bd https://citrixexams.sharefile.com/d-sd8f5874c004c415d81ce0f4a9e69ff0e https://support.citrix.com/article/CTX134962
Section 4: High Availability		
4.01	Understand how the high availability (HA) process works on Citrix ADC.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 4) https://citrixexams.sharefile.com/d-se7817f7b4c08466fad0260d96d8cdcf5
4.02	Determine the appropriate Citrix ADC high availability configuration options, including advanced settings, given a description of an environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 4) https://citrixexams.sharefile.com/d-sac25e56428144f21acabf54f110d296a https://citrixexams.sharefile.com/d-sb9f615fb842e48c0a64e4078f2e0ff32 https://support.citrix.com/article/CTX116748 https://support.citrix.com/article/CTX121149

Objective Number	Objective	References
4.03	Determine which method should be used to manage a Citrix ADC high availability configuration given a scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 4) https://support.citrix.com/article/CTX111531 https://citrixexams.sharefile.com/d-sda871c7a7bcf49e0b015ddef8e15f139 https://citrixexams.sharefile.com/d-s338f72c684184f2fb7a3e55eff216038
4.04	Determine how to resolve common high availability issues.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 4) https://citrixexams.sharefile.com/d-s5312f6c2e898457086ec0ec09eb1494b https://citrixexams.sharefile.com/d-sb0700b5515cb44a4867e6ba80c7e5b09 https://support.citrix.com/article/CTX204685
Section 5: Load Balancing		
5.01	Identify the Citrix ADC load-balancing role of entities.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 5) https://citrixexams.sharefile.com/d-sfc938959c7f44f38a9ba143a156a3413 https://citrixexams.sharefile.com/d-s7a47dc2b6d2a4033925870bc35e42479
5.02	Determine when to use the different load-balancing and monitoring options available on the Citrix ADC.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 5) https://support.citrix.com/article/CTX209292 https://citrixexams.sharefile.com/d-s922d039da4eb485bb640cf75fd0ac371 https://citrixexams.sharefile.com/d-sf86b72236ad64a109bfecb90991f8ca8 https://citrixexams.sharefile.com/d-s0a7eeee9f9cf40e8a2e8e045ddf996b

Objective Number	Objective	References
5.03	Determine how to customize monitoring and service options based on a scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 5) https://citrixexams.sharefile.com/d-sccd8e58971114ea5bad74be82aa790ed https://support.citrix.com/article/CTX209292 https://citrixexams.sharefile.com/d-sf4bec0e644e3488680eaf2ebaaa416cc
5.04	Determine which method to use to protect and troubleshoot a Citrix ADC load-balancing configuration based on a given scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 5) https://support.citrix.com/article/CTX108886
Section 6: SSL Offload		
6.01	Determine the process and requirement for creating and uploading SSL Certificates.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 6) https://support.citrix.com/article/CTX108800 https://citrixexams.sharefile.com/d-s0a6a37bf78cc4bfb9067c0d8b99acde3
6.02	Determine how to create SSL virtual servers.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 6) https://citrixexams.sharefile.com/d-s9ccb8e39333a49c48a82a3a2dd333a57 https://citrixexams.sharefile.com/d-sac58e0f6648541328071ba6dcbf8ec5a
6.03	Determine which SSL deployment to use for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 6) https://citrixexams.sharefile.com/d-sd1ee5c90dd7647febebefc2a190a7333 https://citrixexams.sharefile.com/d-s2681e352bd194f0eb49f78f27ad5767d

Objective Number	Objective	References
6.04	Determine which Citrix ADC configuration settings can prevent a given SSL Exploit.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 6) https://citrixexams.sharefile.com/d-sf26f1887bcb04ecdbe54e6957d54803e https://citrixexams.sharefile.com/d-s55d5df81c6ce4888b3762e207a0a10c8 https://www.citrix.com/blogs/2016/06/09/scoring-an-a-at-ssllabs-com-with-citrix-netScaler-2016-update
Section 7: Securing the Citrix ADC		
7.01	Determine how to utilize authentication, authorization, and auditing.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 7) https://citrixexams.sharefile.com/d-s09db687845ee472baf2ef12f260aa68a https://citrixexams.sharefile.com/d-s4d96d2f5c10240bca70fb03610317861
7.02	Determine how to configure authentication and authorization on Citrix ADC.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 7) https://citrixexams.sharefile.com/d-sea659c16672941b7ae2a01fae096c588 https://citrixexams.sharefile.com/d-s95461d1debd14815be0b0d17d3d9aeb2
7.03	Determine the components and steps required to secure a Citrix ADC configuration.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 7) https://citrixexams.sharefile.com/d-s8c62d7aaa322443b898791caad3af2d9
7.04	Determine how to utilize admin partitions in a given scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 7) https://citrixexams.sharefile.com/d-sa6c8d79f46654055854f0a616410a5d3 https://citrixexams.sharefile.com/d-s7c70d0887a3c4917a64ff8a618d84b58

Objective Number	Objective	References
Section 8: Troubleshooting		
8.01	Determine how to resolve Citrix ADC log issues.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 8) https://citrixexams.sharefile.com/d-s1ec548ee321c434f8ec6f0be193da833 https://citrixexams.sharefile.com/d-s4bebc193c6644089abb90ce8cf2da5ed
8.02	Determine how to monitor the Citrix ADC environment with Simple Network Management Protocol data.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 8) https://citrixexams.sharefile.com/d-s946f12ee13ac402f84d26f39da6d0e17 https://citrixexams.sharefile.com/d-s4e049ae50a084d11b1640f2112ee033a
8.03	Determine how to use AppFlow and Citrix Application Delivery Management features to troubleshoot an issue within Citrix ADC.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 8) https://citrixexams.sharefile.com/d-s584a9977c86a46a8a04af85d47283ef8
8.04	Determine how to use the Citrix Application Delivery Management to troubleshoot a given issue.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 8) https://citrixexams.sharefile.com/d-sb2aa49ae7628411d84e26ccf70c30917
8.05	Determine which Citrix ADC troubleshooting tool to use to identify a given issue in an environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 8) https://citrixexams.sharefile.com/d-sd3ab4abbfe6b4ec3abff27ab69f48b85
Section 9: Citrix Gateway		
9.01	Determine a given Citrix Gateway feature's role for application delivery.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 9) https://citrixexams.sharefile.com/d-s819ef899ac4b41968c19e9fa11f4b8b1 https://citrixexams.sharefile.com/d-sbe285741579a4f568572aa6847a0509f https://citrixexams.sharefile.com/d-sc242cffb249c40e782219a9ae559680e

Objective Number	Objective	References
9.02	Determine how to configure Citrix Gateway in a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 9) https://citrixexams.sharefile.com/d-sc493e777e5844e719255f8f786505f39 https://citrixexams.sharefile.com/d-sed11451a911840a4b815bdb9169e8f26
9.03	Determine how to configure common deployments.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 9) https://citrixexams.sharefile.com/d-s874a0f07354a45b59615af4ffa40e3f1 https://citrixexams.sharefile.com/d-s2c6f957cbe9046cb8c57822f2dd1f2a0
Section 10: AppExpert		
10.01	Determine the appropriate policy expression structure of AppExpert to be used for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 10) https://citrixexams.sharefile.com/d-s1cf4f769d6874390a60361f4e4ed3475 https://citrixexams.sharefile.com/d-se01628b576ef46d6a3d0d304b0afb5d8
10.02	Determine how to configure pattern sets and data sets for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 10) https://citrixexams.sharefile.com/d-sbd263e94088541f6bc46f6b90eccd960 https://citrixexams.sharefile.com/d-s0b49674c93c64fd093cc22ce6e5e3128
10.03	Determine how to utilize policy bind points for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 10) https://citrixexams.sharefile.com/d-sb99eb44f6e3a40bfbef9111b554c75ef
10.04	Determine how to use AppExpert with Citrix Gateway.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 10) https://citrixexams.sharefile.com/d-s78a600963fad4d0a8d800d50d9924f48 https://citrixexams.sharefile.com/d-sa6cc1b1dd58f4e8da19bf30c50008b0a

Objective Number	Objective	References
Section 11: Authentication and Authorization		
11.01	Determine the steps in Authentication process to establish identity.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-s164dcc5d1654403686edb716b52a0a1e https://citrixexams.sharefile.com/d-sbce6e3dd50344a16afcb86a82ed3a253
11.02	Determine the steps in Authorization process to provide access to resources.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-s4e2a489d3cd741c5bba02a102d7a4caa https://citrixexams.sharefile.com/d-s692334d8532c4a87aa7535af2c4e5214
11.03	Determine how to customize multi-factor authentication.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-s43484f687ff945fcb5f664e89d5d7603 https://support.citrix.com/article/CTX214874
11.04	Determine how to deploy Authentication and Authorization policies.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-saa29c8ae7126453cb38f20f42bb740bb https://citrixexams.sharefile.com/d-s9262d8a3142146859ae81f8b9e49b2da
11.05	Determine how to configure nFactor in a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-sbca67f71218741faaca0a459d005bcc9
11.06	Determine how to configure SAML authentication based on a set of requirements.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 11) https://citrixexams.sharefile.com/d-s6d5672875af846278bf3325176543fa0 https://citrixexams.sharefile.com/d-s9f0fb40efcfa408e8d10fcfd2fb1ee73

Objective Number	Objective	References
Section 12: Managing Client Connections		
12.01	Determine how to configure Citrix Gateway plug-in with Citrix Receiver to establish VPN.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 12) https://citrixexams.sharefile.com/d-sa3640350539c4add9f0f98c5d160b513 https://citrixexams.sharefile.com/d-s3b073e78312e4481921e7eae6418e02a
12.02	Determine how to configure the access level and which applications users are allowed to access in the secure network.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 12) https://citrixexams.sharefile.com/d-sbc0c6ef1b1b5482cb04a99bf90f35c13 https://citrixexams.sharefile.com/d-safa270fd9ac34378b101d4a2708b4635
12.03	Determine how to configure pre-authentication policies and profiles to check for client-side security before users are authenticated.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 12) https://citrixexams.sharefile.com/d-s65a30930d773419ba79402ff176472f1 https://citrixexams.sharefile.com/d-saf8d6bffab46464e8a8533174c7605e5 https://citrixexams.sharefile.com/d-s31b5c093c0f64e94803e9dbfa481a363
12.04	Determine how to deploy Citrix Gateway to allow user connections, including logon options.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 12) https://citrixexams.sharefile.com/d-sbc136859026a448998adc8aed5c1bfe5 https://citrixexams.sharefile.com/d-s651d2d62412248e2893398fcb4fa580
12.05	Determine how to configure endpoint analysis for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 12) https://citrixexams.sharefile.com/d-se59d28de0a124221a40a491bd35d31aa https://citrixexams.sharefile.com/d-s4c1c42a5c08847c1bedd6727ec858cbe

Objective Number	Objective	References
Section 13: Integration for Citrix Virtual Apps and Desktop Solutions		
13.01	Determine how to integrate Citrix Gateway with Citrix Virtual Apps and Desktops.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 13) https://citrixexams.sharefile.com/d-s88cfd45a96fa40df9a7a3fa9a7d2335e https://citrixexams.sharefile.com/d-s0042fcd055704b89981a7d29de43b88c
13.02	Determine how to integrate with StoreFront.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 13) https://citrixexams.sharefile.com/d-sc24ac0394f6c4c6494d026a5c26240ec https://citrixexams.sharefile.com/d-s372dae8a3fcf4a00b1eea3c3ded6ba8b
13.04	Determine how to configure SmartControl for a given scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 13) https://citrixexams.sharefile.com/d-s15eb78642046431eb7342f45ac40e6cf https://citrixexams.sharefile.com/d-sf007ecde6fee4e3699e5fb5df091aab5 https://citrixexams.sharefile.com/d-s51fd74622773493d912b55d1f24f45e7
13.05	Determine how to configure SmartAccess for a given scenario.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 13) https://citrixexams.sharefile.com/d-s715ee29bd2ca419a8b907798cab202af https://citrixexams.sharefile.com/d-sf70712d7777046f0b4d4ed7b89a1da7e
Section 14: Customizing Citrix Gateway		
14.01	Determine how to configure Citrix Gateway applications based on given requirements.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 14) https://citrixexams.sharefile.com/d-s320ce4fec8ec41c797cca32ff6c894ef https://citrixexams.sharefile.com/d-sc5df28abb30946898ea21ac2bae5a54e

Objective Number	Objective	References
14.02	Determine how to configure RDP Proxy for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 14) https://citrixexams.sharefile.com/d-sbeb43fd97e5044cfa777ff2e5fc84937 https://citrixexams.sharefile.com/d-s11eb63e3cf9a448cb711c124dbd10849
14.03	Determine how to configure portal themes for a given environment.	CNS-227 Deploy and Manage Citrix ADC 13.x with Citrix Gateway (Module 14) https://citrixexams.sharefile.com/d-s551364a59a854710be737f67651d2c0e https://citrixexams.sharefile.com/d-s13b1a3c5f22e4a6eb94f6f03ef355eda

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Introduction

Exam-takers should refer to the objectives listed in the “Sections, Objectives, Examples and References” section of this guide in order to determine which topics will be on the exam and examples of topics for each objective.

For example, if the objective reads, "Troubleshoot high availability" and one of the examples reads, “determine how to resolve a given issue”, exam-takers could expect to see:

A scenario describing an issue with high availability -

***Scenario:** A Citrix Administrator is attempting to configure high availability for a Citrix ADC MPX pair. Each Citrix ADC appliance resides in a different subnet. The administrator noticed that network connectivity between the appliances was lost once the high availability pair was established.*

A question that requires determining how to resolve the given issue -

What must the administrator enable to correct this issue?

The objectives for this exam were developed by Exam Project Managers and Subject matter experts based on identified tasks that relate to installing, configuring and/or operating Citrix ADC 13 in enterprise environments.

Sample Question 1

Which Citrix ADC-owned IP address will, by default, send traffic from the Citrix ADC to NTP servers?

- A. VIP
- B. NSIP
- C. CLIP
- D. SNIP

Answer: B

Objective: Determine which interfaces IP address types and VLANS to use during configuration of a given environment.

Sources: <https://www.citrix.com/blogs/2018/07/23/separating-netScaler-management-and-data-traffic-for-disa-stigs/> and CNS-227 Course, Module 2

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Sample Question 2

What is a recommended practice for managing a Citrix ADC high availability (HA) pair to ensure that management changes are always made on the primary Citrix ADC?

- A. Enable management access on the Cluster IP (CLIP) address.
- B. Enable USIP on both nodes (primary and secondary).
- C. Enable management access to a SNIP.
- D. Connect to both Citrix ADCs to see which one is the primary.

Answer: D

Objective: Determine which method should be used to manage a Citrix ADC high availability configuration given a scenario.

Source: <https://support.citrix.com/article/CTX111531> and CNS-227 Course, Module 4

Sample Question 3

A Citrix Administrator needs to have users in the vendor department connect to internal web applications through Web access only.

Which configuration mode should the administrator configure on the Citrix Gateway?

- A. Clientless access
- B. ICA proxy
- C. Reverse proxy
- D. Full SSL VPN

Answer: A

Objective: Determine how to configure Citrix Gateway in a given environment.

Source: <https://citrixexams.sharefile.com/d-s5091dba701a14b7b87fc333de52346b4> and CNS-227 Course, Module 9

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Sample Question 4

Scenario: The policies below are bound to a content-switching virtual server.

```
bind cs vserver vserver1 -policyName CSPOL_7 -priority 100 -
gotoPriorityExpression NEXT
bind cs vserver vserver1 -policyName CSPOL_5 -priority 90
bind cs vserver vserver1 -policyName CSPOL_9 -priority 110
bind cs vserver vserver1 -policyName CSPOL_4 -priority 120
bind cs vserver vserver1 -policyName CSPOL_8 -priority 210
```

If policy CSPOL_7 is invoked, which policy should be invoked next?

- A. CSPOL_9
- B. CSPOL_8
- C. CSPOL_5
- D. CSPOL_4

Answer: A

Objective: Determine how to utilize policy bind points for a given environment.

Source: <https://citrixexams.sharefile.com/d-sf2975c71c7a940fca8b3e52f35021e72> and CNS-227 Course, Module 10

Sample Question 5

To which three bind points can a Citrix Administrator bind a session policy, to enable Clientless access? (Choose three.)

- A. Service
- B. Virtual server
- C. User
- D. Service group
- E. Group

Answer: BCE

Objective: Determine the steps in Authentication process to establish identity.

Source: <https://citrixexams.sharefile.com/d-s9f794680b73348659e10dff0c47ebae> and CNS-227 Course, Module 11

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