

## 1y0-340 Dumps

# Analyzing Citrix NetScaler Advanced Topics: Security - Management - and Optimization

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#### NEW QUESTION 1

Which two actions can a Citrix Engineer use to provide Denial of Service (DoS) protection with the AppQoE feature? (Choose two.)

- A. Simple Response
- B. HICResponse
- C. Denial Response
- D. Complex Response

**Answer:** AB

#### NEW QUESTION 2

A Citrix Engineer needs to implement a rate limiting policy to permit an average of one request in 40 ms using NetScaler. Which Limit Identifier will meet this requirement?

- A. adds ns limitIdentifier limit\_req-threshold 40 -mode CONNECTION
- B. set limitIdentifier limit\_req -mode request\_rate -timeslice 2000 -Threshold 50 -limitType smooth
- C. add ns limitIdentifier limit\_req -threshold 1 -mode CONNECTION
- D. set limitIdentifier limit\_req -mode request\_rate -timeslice 2000 -Threshold 50 -limitType Bursty

**Answer:** B

#### NEW QUESTION 3

A Citrix Engineer needs to protect a website that contains sensitive data such as employee ID numbers and customer ID numbers. Which security check can the engineer implement to protect the sensitive data?

- A. Content-type
- B. Safe Object Check
- C. Field Formats
- D. CSRF Form tagging

**Answer:** B

#### Explanation:

The Safe Object check provides user-configurable protection for sensitive business information, such as customer numbers, order numbers, and country-specific or region-specific telephone numbers or postal codes.

#### NEW QUESTION 4

Which TCP flag will the NetScaler Application Firewall module send in response to a malformed/non-RFC complaint request from a client?

- A. FIN+ACK packet with a window size set to 9845
- B. RST packet with a window size set to 9845
- C. RST +ACK packet with a window size set to 0
- D. FIN packet with a window size set to 0

**Answer:** B

#### NEW QUESTION 5

A Citrix Engineer needs to configure Relaxation Rules using the learned data for SQL Injection. Which setting can the engineer enable in order to avoid false-positive learned rules?

- A. Increase database size for Learned data.
- B. Decrease Minthreshold value to Default in Learning settings.
- C. Increase Minthreshold value in Learning settings.
- D. Remove all unreviewed data from Learning settings.

**Answer:** D

#### NEW QUESTION 6

A Citrix Engineer needs to optimize the Cascading Style Sheets (CSS) content sent from the backend server before being forwarded to the client. Which option can the engineer use to accomplish CSS optimization?

- A. Move to Head Tag
- B. Shrink to Attributes
- C. Lazy Load
- D. Convert to WebP

**Answer:** A

#### NEW QUESTION 7

Scenario: A Citrix Engineer is trying to optimize a website that is load balanced on a NetScaler and is accessed by mobile users. The web application is complex and made up of hundreds of embedded images, scripts, and other objects per page. This limitation is creating a significant bottleneck, resulting in excessive load times.

Which NetScaler feature can the engineer use to optimize the web application?

- A. Domain Sharding
- B. SPDY (Speedy)
- C. Multipath TCP
- D. Minification

**Answer:** A

**Explanation:**

The leading capability in this category is domain sharding. By default, browsers restrict the number of parallel connections that can be open to any one domain. Typically, fewer than ten are allowed. For complex web applications with hundreds of embedded images, scripts and other objects per page, this limitation can create a significant bottleneck resulting in excessive load times. With domain sharding, NetScaler MobileStream modifies administrator-selected URLs by breaking them into sub-domains to allow client web browsers to open multiple groups of parallel connections. As a result, object-heavy pages are downloaded and can be rendered up to 10 times faster. Also included in this category is cache extension, a capability that leverages advanced browser settings and NetScaler AppCache functionality to further improve performance by maximizing the practice of locally caching static content.

**NEW QUESTION 8**

A Citrix Engineer observes that after enabling the security checks in Learning mode only in an Application Firewall profile, the NetScaler is blocking the non-RFC compliant HTTP packets.

What can the engineer modify in the configuration to resolve this issue?

- A. Disable Drop Invalid Requests in the HTTP Profile settings.
- B. Set Default profile in application firewall settings as APPFW\_BYPASS.
- C. Set Undefined Action in application firewall settings as APPFW\_BYPASS.
- D. Enable Drop Invalid Requests in the HTTP Profile settings.

**Answer:** B

**NEW QUESTION 9**

Which two response headers are added by Application Firewall? (Choose two.)

- A. Transfer-Encoding
- B. Accept-Language
- C. Accept-Encoding
- D. Set-Cookie
- E. Range

**Answer:** AD

**NEW QUESTION 10**

Scenario: A Citrix Engineer needs to configure an external SNMP server in a High Availability setup. The engineer configured the load-balancing virtual server to access the NetScaler Management and Analytics System (NMAS) HA pair.

Which IP address will be configured on the external SNMP Manager to add the NMAS devices?

- A. IP Address of the LB VIP
- B. IP Address of the Primary node
- C. IP Address of the active mode
- D. IP Address of both the NMAS nodes

**Answer:** D

**NEW QUESTION 10**

A Citrix Engineer needs to set the rate at which connections are proxied from the NetScaler to the server. Which values should the engineer configure for Surge Protection?

- A. UDP Threshold and Start Port
- B. Grant Quota and Buffer Size
- C. TCP Threshold and Reset Threshold
- D. Base Threshold and Throttle

**Answer:** D

**NEW QUESTION 15**

Scenario: A Citrix Engineer has deployed four NetScaler MPXs with the following network configuration:

-Management traffic is on VLAN 5 (NSIP).

-Application and server traffic is on VLAN 10 (SNIP).

The engineer added the NetScaler Management and Analytics System (NMAS) interface to VLAN 10 to deploy a NMAS High Availability (HA) pair to manage and monitor the applications and virtual servers. After doing so, the engineer is NOT able to see the NetScaler or applications that need to be managed.

How can the engineer resolve the issue?

- A. Configure VLAN 5 as NSVLAN 5
- B. Move the NMAS interface to VLAN 5
- C. Configure VLAN 5 as NSSYNC VLAN
- D. Bind SNIP to VLAN 5

**Answer:** A

**NEW QUESTION 20**

Scenario: A Citrix Engineer has configured an IP Reputation policy and Profile in Application Firewall. However, the engineer is NOT able to see any hits on the policy during testing. Which logs can the engineer check to ensure that IP Reputation is configured correctly?

- A. websocketd.log
- B. snmpd.log
- C. iprep.log
- D. httpaccess.log

**Answer: C**

**NEW QUESTION 23**

Which two security checks invoke sessionization? (Choose two.)

- A. CSRF Form Tagging
- B. Field Formats
- C. Form Field Consistency
- D. HTML Cross-Site Scripting

**Answer: AC**

**NEW QUESTION 26**

Scenario: A Citrix Engineer configured an HTTP Denial-of-Service (DoS) protection policy by setting the Surge Queue depth to 300. The surge queue reaches a size of 308, triggering the NetScaler "attack" mode. The HTTP DoS window mechanism is left at the default size which, when reached, will trigger "no-attack" mode.

Which queue depth value must the Surge Queue be to trigger the "no-attack" mode?

- A. size should be less than 280.
- B. size should be 300.
- C. size should be 290.
- D. size should be between 280 and 300.

**Answer: A**

**NEW QUESTION 29**

A Citrix Engineer has found issues in the websites after enabling Application Firewall.

Which logs on the NetScaler can the engineer check to verify that the issues are NOT caused by Application Firewall?

- A. newslog
- B. ns.log
- C. nslog
- D. aaad.debug

**Answer: B**

**NEW QUESTION 33**

Which action can be used to place the rule on the relaxation list without being deployed and ensuring that the rule is NOT learned again?

- A. Skip
- B. Deploy
- C. Delete
- D. Edit& Deploy

**Answer: A**

**NEW QUESTION 36**

A Citrix Engineer needs to ensure that clients always receive a fresh answer from the integrated cache for positive responses (response of 200).

Which two settings can the engineer configure to make sure that clients receive a fresh response when it is needed? (Choose two.)

- A. -flashCache NO
- B. -pollEveryTime YES
- C. -prefetch YES
- D. -quickAbortSize

**Answer: AB**

**NEW QUESTION 37**

Which requirement must be addressed to implement the IP Reputation feature on a NetScaler MPX appliance?

- A. The NetScaler appliance must be able to connect to api.bcti.brightcloud.com on port 443.
- B. The NetScaler appliance must be able to connect to wiprep-rtu.s3-us-west-2.amazonaws.com on port 80.
- C. The NetScaler appliance must be able to connect to api.bcsc.brightcloud.com on port 80.
- D. The NetScaler appliance must be able to connect to wiprep-rtu.s3-us-west-2.amazonaws.com on port 443.

**Answer: A**

**NEW QUESTION 38**

Scenario: A Citrix Engineer configures an Application Firewall HTML SQL Injection Check and sets it to BLOCK and to use SQLSplCharANDKeyword as the SQL injection type. The engineer checks the logs and finds that nothing is being blocked. What can be the cause of the Application Firewall failing to block the attack?

- A. The request contains SQL Wildcard Characters.
- B. The request neither contains SQL Special Characters nor keywords.
- C. The request only contains SQL Special Characters.
- D. The request only contains SQL keywords.

**Answer:** B

**NEW QUESTION 39**

A Citrix Engineer needs to migrate the NetScaler Insight Center virtual appliance to NetScaler Management and Analytics System (NMAS). Which two actions should be met before migrating the NetScaler Insight Center virtual appliance to NMAS? (Choose two.)

- A. Install NetScaler Insight Center 11.1 Build 47.14 or later.
- B. Install NetScaler MAS License on the NMAS.
- C. Download the NetScaler MAS build to the /var/mps/mps\_images.
- D. Remove the NetScaler instances added to the Insight Center.
- E. Migrate the NMAS virtual machine to XenServer.

**Answer:** AC

**NEW QUESTION 43**

Which type of Application Profile type can be configured to protect the application which supports both HTML and XML data?

- A. Web 2.0 Application Profile
- B. Web Application Profile
- C. XML Application Profile
- D. Advanced Profile

**Answer:** A

**Explanation:**

Reference <https://docs.citrix.com/zh-cn/netscaler/11/security/application-firewall/DeploymentGuide.html>

**NEW QUESTION 45**

A Citrix Engineer needs to ensure that infrastructure is PCI DSS compliant. Which two are prerequisite actions for PCI DSS compliance? (Choose two.)

- A. Use only vendor-supplied defaults for system passwords and other security parameters.
- B. Assign a unique ID to each person with computer access.
- C. Track and monitor every transaction of the cardholder.
- D. Regularly test security systems and processes.
- E. Ensure that cardholder data is sent unencrypted over public networks.

**Answer:** CD

**NEW QUESTION 50**

Which NetScaler owned IP address is used by NetScaler Management and Analytics System (NMAS) to communicate with NetScaler Instances?

- A. VIP (Virtual IP)
- B. NSIP (NetScaler IP)
- C. CLIP (Cluster IP)
- D. SNIP (Subnet IP)

**Answer:** B

**NEW QUESTION 55**

A Citrix Engineer needs to configure an Application Firewall policy. According to company policies, the engineer needs to ensure that all the requests made to the website are originating from North America. Which policy expressions will help the engineer accomplish the requirement?

- A. CLIENT.IP.SRC.MATCHES\_LOCATION ("North America.US.\*.\*.\*")
- B. CLIENT.IP.SRC.MATCHES\_LOCATION ("North America.US.\*.\*.\*"). NOT
- C. CLIENT.IP.DST.MATCHES ("North America.US.\*.\*.\*")
- D. CLIENT.IP.SRC.MATCHES ("North America.US.\*.\*.\*")

**Answer:** A

**NEW QUESTION 59**

Which NetScaler Management Analytics System (NMAS) feature can the Citrix Engineer use to convert configuration tasks performed using the GUI to CLI commands?

- A. Master Configuration
- B. Inbuilt Template

- C. Record-and-Play
- D. Configuration Template

**Answer: C**

#### NEW QUESTION 60

A Citrix Engineer has deployed Front-end Optimization on NetScaler. The following are the snippets of the content before and after optimization.  
Before Optimization:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <!--Title-->
  <title> Sample Web Page</title>
  <!--Script-->
  <script type="text/javascript">
    var i = 0;
    i = i+1;
    document.write ("The values is:"+i);
  </script>
</head>
<body>
</body>
</html>
```

Which optimization technique has been applied to the content?

- A. Convert linked JavaScript to inline JavaScript
- B. Minify JavaScript
- C. Move JavaScript to End of Body Tag
- D. Inline JavaScript

**Answer: B**

#### NEW QUESTION 64

Which NetScaler Management and Analytics System (NMAS) feature will assist the Citrix Engineer in gathering the required data for issues with Endpoint Analysis?

- A. Security Insight
- B. Web Insight
- C. HDX Insight
- D. Gateway Insight

**Answer: A**

#### NEW QUESTION 67

Scenario: A Citrix Engineer has configured Security Insight on NetScaler Management and Analytics System (NMAS) with Firmware version 12.0.41.16 to monitor the Application Firewall.

The NetScaler ADC is running version 12.0.51.24 using Enterprise License with Application Firewall only License. However, after enabling Security insight, the engineer is NOT able to see any data under security insight.

What is causing this issue?

- A. NetScaler should have a Standard License.
- B. The NMAS version should be higher or equivalent to the NetScaler version.
- C. NetScaler should have a Platinum license.
- D. NMAS should be on Platinum license.

**Answer: B**

#### NEW QUESTION 72

A Citrix Engineer needs to configure NetScaler Management and Analytics System (NMAS) in their network to retain network reporting data, events, audit logs, and task logs for 20 days.

Which settings can the engineer configure to meet the requirement?

- A. System Prune Settings
- B. System Backup Settings
- C. Instance Backup Settings
- D. Syslog Prune Settings

**Answer: A**

#### NEW QUESTION 74

Which security option falls under the Negative Security Model for Citrix Application Firewall?

- A. Start URL
- B. HTML Cross-Site Scripting
- C. Content-type
- D. Signature

**Answer:** D

**NEW QUESTION 77**

A Citrix Engineer is configuring an Application Firewall Policy to protect a website. Which expression will the engineer use in the policy?

- A. HTTP.RES.IS\_VALID
- B. HTTP.REQ.HOSTNAME.EQ ("true")
- C. HTTP.RES.HEADER ("hostname").EQ ("true")
- D. HTTP.REQ.IS\_VALID

**Answer:** B

**NEW QUESTION 80**

Scenario: A Citrix Engineer has enabled Security insight and Web insight on NetScaler Management and Analytics System (NMAS). The engineer is NOT able to see data under the Analytics on NMAS, in spite of seeing hits on the APPFLOW policy.

Which log should the engineer check on NMAS to ensure that the information is sent from NetScaler?

- A. mps\_afanalytics.log
- B. mps\_perf.log
- C. mps\_afdecoder.log
- D. nstriton.log

**Answer:** C

**NEW QUESTION 85**

Scenario: A Citrix Engineer receives the following error when accessing content from a virtual server: "Page cannot be displayed."

However, the content is accessible when connecting directly to the web server.

The engineer captured the traffic using nstrace and found that the amount of data sent from the web server exceeds the content length defined in the HTTP header.

Which action can the engineer take to resolve the issue?

- A. Disable Drop extra CRLF in the HTTP Profile.
- B. Enable Drop extra data from server in the HTTP Profile.
- C. Increase the Content length in the Application Firewall Profile.
- D. Disable Drop extra data from server in the HTTP Profile.

**Answer:** B

**NEW QUESTION 87**

A Citrix Engineer needs to write a regular expression to treat the URL `www.citrix.com` as a literal string. Which regular expression can the engineer use?

- A. `www$.citrix$.com`
- B. `[www\]. [citrix\]. [com\]`
- C. `www+.citrix+.com`
- D. `www\.citrix\.com`

**Answer:** B

**NEW QUESTION 90**

A Citrix Engineer needs generate and present a NetScaler PCI-DSS report to management. The report should include a PCI-DSS summary of the required security measures for PCI-DSS compliance.

Where can the engineer generate the report from?

- A. Documentation > Nitro API
- B. Reporting > System
- C. Dashboard > System Overview
- D. Configuration > System > Reports

**Answer:** D

**NEW QUESTION 95**

Scenario: A Citrix Engineer is configuring a Buffer Overflow Security Check. When configuring the options, the engineer notices that the Learn Mode is unavailable.

Why is the Learn Mode unavailable in this configuration?

- A. The NetScaler License is at Enterprise.
- B. The Application Firewall database is at 20 MB.
- C. The Application Firewall feature is disabled.
- D. The Learn Mode is NOT available for Buffer Overflow.

**Answer:** A

**NEW QUESTION 96**

Which method is used by NetScaler Management and Analytics System (NMAS) to gather licensing information from NetScaler?

- A. CFLOW
- B. APPFLOW
- C. NITRO
- D. IPFLOW

**Answer: C**

**NEW QUESTION 100**

The NetScaler Management and Analytics System (NMAS) collects inventory from the instance by sending a(n) request. (Choose the correct option to complete the sentence.)

- A. AppFlow
- B. NITRO
- C. SNMP
- D. HTTP

**Answer: B**

**NEW QUESTION 101**

A Citrix Engineer needs to implement Application Firewall to prevent the following tampering and vulnerabilities:

-If web server does NOT send a field to the user, the check should NOT allow the user to add that field and return data in the field.

-If a field is a read-only or hidden field, the check verifies that data has NOT changed.

-If a field is a list box or radio button field, the check verifies that data in the response corresponds to one of the values in that field.

Which security check can the engineer enable to meet this requirement?

- A. Field Formats
- B. Form Field Consistency
- C. HTML Cross-Site Scripting
- D. CSRF Form Tagging

**Answer: B**

**NEW QUESTION 104**

Scenario: A Citrix Engineer needs to configure Application Firewall to handle SQL injection issues. However, after enabling SQL injection check, the backend server started dropping user requests.

The Application Firewall configuration is as follows:

```
add appfw profile Test123 -startURLAction none- denyURLAction none-crossSiteScriptingAction none
```

```
-SQLInjectionAction log stats- SQLInjection TransformSpecialChars ON
```

```
-SQLInjectionCheckSQLWildChars ON- fieldFormatAction none- bufferOverflowAction none- responseContentType "application/octet-stream"
```

```
-XMLSQLInjectionAction none- XMLXSSAction none-XMLWSIAction none- XMLValidationAction none
```

What does the engineer need to change in the Application Firewall configuration?

- A. Enable-XMLSQLInjectionAction none
- B. Enable-XMLValidationAction none
- C. Disable- SQLInjectionCheckSQLWildChars ON
- D. Disable- SQLInjectionTransformSpecialChars ON

**Answer: C**

**NEW QUESTION 106**

A Citrix Engineer has configured SQL Injection security check to block all special characters. Which two requests will be blocked after enabling this check? (Choose two.)

- A. Citrix; Sqltest
- B. 175// OR 1//=1//
- C. Citrix" OR "1"="1
- D. Citrix OR 1=1
- E. 175' OR '1'='1'

**Answer: AB**

**NEW QUESTION 110**

A Citrix Engineer needs to prevent an attack against insecure operating-system or web-server software. The attack can cause the system to crash or behave unpredictably when it receives a data string that is larger than it can handle.

Which security check on the Application Firewall can the engineer enable to prevent such attacks?

- A. Start URL
- B. Deny URL
- C. Buffer Overflow
- D. Field Format

**Answer: C**

**NEW QUESTION 114**

Which reason can cause fail over in a NetScaler Management and Analytics System (NMAAS) High Availability pair?

- A. A secondary server loses connectivity in the LAN.
- B. The engineer manually forces the secondary server to shut down.
- C. A primary server encounters a critical software issue.
- D. A primary server does NOT receive the SNMP traps from the instances connected.

**Answer: C**

#### NEW QUESTION 116

Scenario: A Citrix Engineer observes that when going through NetScaler, user connections fail and users are unable to access Exchange server. However, users can connect directly to the Exchange server. After checking the logs, the engineer finds that the POST request is blocked through the NetScaler.

The log in/ var/log/ns.log is as follows:

```
Jul 20 11:00: 38 <local0.info>x.x.x. 1 07/20/2017:11:00:38 GMT ns 0-PPE-0:APPFW AF_400_RESP 29362
```

```
0: x.x.x.1 439800-PPEO- urlwdummy
```

```
https://test.abc.com/rpc/rpcproxy.dll?mail.sfmta.com:6004 Bad request headers. Content-length exceeds post body limit <blocked>
```

Which parameter can the engineer modify to resolve the issue while maintaining security?

- A. Increase the Maximum Header Length under nshttp\_default\_profile.
- B. Increase the POST body limit using the HTTP profile.
- C. Add an Application Firewall policy with the expression "HTTP.REQ.METHOD.EQ(\"POST\")" with APPFW\_BYPASS profile bound.
- D. Increase the POST body limit under common settings in Application Firewall profile settings.

**Answer: D**

#### NEW QUESTION 118

A Citrix Engineer needs to configure an application firewall profile to ensure that the images uploaded on the website are NOT malicious. The engineer needs to create a policy to filter the upload requests and ensure that they are in JPEG format.

Which expression can the engineer use to fulfill this requirement?

- A. http.req.url.endswith (".jpeg") & http.req.method.eq (POST)
- B. http.req.url.contains (".jpeg") & http.req.method.eq (GET)
- C. http.req.url.endswith (".jpeg") || http.req.method.eq (GET)
- D. http.req.header ("Content-Type").contains ("image/jpeg") || http.req.method.eq(POST)

**Answer: D**

#### NEW QUESTION 121

What can a Citrix Engineer do to decrease browser load times by increasing the number of parallel connections to the resource?

- A. Configure Domain Sharding.
- B. Add more web servers.
- C. Block JavaScript on client browsers.
- D. Do NOT allow HTML websites.

**Answer: A**

#### NEW QUESTION 125

Scenario: A Citrix Engineer must enable a cookie consistency security check and ensure that all the session cookies get encrypted during the transaction. The engineer needs to ensure that none of the persistent cookies are encrypted and decrypted and decrypt any encrypted cookies during the transaction.

Which cookie consistency security feature will the engineer configure in the following configuration to achieve the desired results?

```
add appfw profile Test123 -startURLAction none- denyURLAction none- cookieConsistencyAction log
```

```
-cookieTransforms ON -cookieEncryption encryptSessionOnly -addCookieFlags httpOnly
```

```
-crossSiteScriptingAction none- SQLInjectionAction log stats -SQLInjectionTransformSpecialChars ON- SQLInjectionCheckSQLWildChars ON
```

```
-fieldFormatAction none -bufferOverflowAction none
```

```
-responseContentType "application/octet-stream"- XMLSQLInjectionAction none -XMLXSSAction none-XMLWSIAction none- XMLValidationAction none
```

- A. Configure Encrypt Server cookies to "Encrypt All"
- B. Configure Encrypt Server cookies to "None"
- C. Configure Encrypt Server cookies to "Encrypt Session Only"
- D. Configure Encrypt Server cookies to "Encrypt only"

**Answer: B**

#### NEW QUESTION 130

Scenario: A Citrix Engineer has configured Application Firewall and enabled it in learning mode. However, the Application Firewall database is reaching full capacity due to excessive requests.

What can the engineer configure to mitigate this issue?

- A. Enable learning only on XML based profiles.
- B. Increase NetScaler hard drive capacity.
- C. Configure caching policies.
- D. Configure Trusted Learning Clients.

**Answer: D**

#### NEW QUESTION 132

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