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
Scenario: A Citrix Engineer has migrated an application to NetScaler to secure it from application layer attacks. The engineer receives a complaint that the application is timing out while users are actively accessing the page. Those users are forced to reestablish the connection.
What can be the cause of this issue?

A. The maximum session lifetime is NOT configured.
B. The session time out is configured to a low value.
C. The application is configured with a low session timeout.
D. The maximum session lifetime is less than the session timeout.

Answer: B

NEW QUESTION 3
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 4
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 5
Scenario: A Citrix Engineer discovers a security vulnerability in one of its websites. The engineer takes a header trace and checks the Application Firewall logs. The following was found in part of the logs:
method=GET
request = http://my.companysite.net/FFC/sc11.html msg=URL length (39) is greater than maximum allowed (20).cn1=707 cn2=402 cs1=owa_profile cs2=PPE0 cs3=kW49GcKbnwKByByi3+jeNzfgWa80000 cs4=ALERT cs5=2015
Which type of Application Firewall security check can the engineer configure to block this type of attack?

A. Buffer Overflow
B. Start URL
C. Cross-site Scripting
D. Cookie Consistency

Answer: C

NEW QUESTION 6
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 7
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 8

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 9

A Citrix Engineer has received the following message after setting up Application Firewall in Learning mode. August 28 6 03:14:27
<local0.info>XXX.0.0.2.08/28/2017:03:14:27 GMT VPXExtProd01 0-PPE-0: default
GUI CMD_EXECUTED 1670370 0: User CitrixAdmin- Remote_ip XXX.19.XXX.XXX-Command "show
appfw learningdata WebPub_vs_af_1 startURL"- Status "ERROR: Communication error with aslearn"
What can the engineer perform to resolve the issue?

A. Reinstall the Application Firewall license.
B. Reboot the NetScaler appliance.
C. Disable the Application Firewall feature.
D. Delete the Profile database and restart the aslearn process.

Answer: B

NEW QUESTION 10

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 10

A Citrix Engineer observes that when the application firewall policy is bound to the virtual server, some of the webpages are NOT loading correctly.
Which log file can the engineer use to view the application firewall-related logs in the native format?

A. /var/log/iprep.log
B. /var/nslog/newnslog
C. /var/nslog/ns.log
D. /var/log/ns.log

Answer: D

NEW QUESTION 13

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 14

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 15
Scenario: A Citrix Engineer has configured a NetScaler Management Analytics System (NMAS) policy mandating that all certificates must have minimum key strengths of 2048 bits and must be authorized by trusted CA/Issuers.
How does NMAS alert the engineer about non-compliance?

A. NMAS highlights any non-compliance with the 'Non-Recommended' tag.
B. NMAS disables any non-compliant policies.
C. NMAS does NOT alert the engineer.
D. NMAS disables any non-compliant certificates.

Answer: A

NEW QUESTION 16
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>
<head>
<link rel= "stylesheet" type= "text/css" href= "sheet/abc.css">
<link rel= "stylesheet" type= "text/css" href="sheet/xyz.css">
</head>
<body>
   <div class= "abc">
    I am from style abc
   </div>
   < div class= "xyz">
    I am from style xyz
   </div>
</body>
</html>
```

After Optimization:

```
<!DOCTYPE html>
<html>
<head>
<link rel= "stylesheet" type= "text/css" href= "sheet/abcxyz.css">
</head>
<body>
   <div class= "abc">
     I am from style abc
   < /div >
   < div class= "xyz" >
    I am from style xyz
   < /div >
</body>
</html>
```

Which optimization technique has been applied to the content?

A. Combine CSS
B. Minify CSS
C. Inline CSS
D. Linked JavaScript to inline JavaScript

Answer: A

NEW QUESTION 20
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 25
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 28
Scenario: A Citrix Engineer has configured a Denial-of-Service (DoS) protection on the NetScaler and found that client TCP connections are failing. After taking a packet trace, the engineer notices that the first packet was dropped and that the NetScaler terminated the connection due to DoS protection being enabled.
What step can the engineer take to resolve the client connection failure?

A. Enable the SYN COOKIE mechanism.
B. Enable Denial-of-Service TCP connections.
C. Disable the SYN COOKIE mechanism.
D. Change the services from TCP to HTTP.

Answer: A

NEW QUESTION 29
A website hosts highly dynamic content that is frequently requested in bursts of high user access. Which configuration will reduce traffic to the origin server while optimizing client performance?

A. –pollEveryTime NO
B. –expireAtLastByte YES
C. –flashCache YES
D. –heurExpiryParam 0

Answer: A

NEW QUESTION 32
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 35
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 36
Scenario: A Citrix Engineer has configured the Signature file with new patterns and log strings and uploaded the file to Application Firewall. However, after the upload, the Signature rules are NOT implemented.
What can the engineer modify to implement Signature rules?

A. The Signature update URL should have an older version than the one on Application Firewall.
B. The new Signature file should have new ID and version number.
C. The NetScaler version should be upgraded before upgrading the signatures.
D. The Signature upgrade will take effect only after a restart.

Answer: D

NEW QUESTION 38
A Citrix Engineer observes the following event in the ns.log:
Aug 3 11:55:58 <local0.info> 10.248.64.10 08/03/2015:15:55:58 GMT ATL0NS01 0-PPE-1: default APPFW APPFW_STARTURL 406856 0: 10.248.13.13 11152-PPE1
LG+hd4LkcYiOyQVWvOTsCtSyiv00001 SPI Disallow illegal URL: https://training.citrix.com/login
<blocked>
Which Application Firewall profile has blocked the URL?

A. SPI
B. APPFW_STARTURL
C. ATL0NS01
D. SPI Disallow illegal URL

Answer: C

NEW QUESTION 42
Which setting should be enabled to convert the content-length form submission requests to chunked requests, when HTML SQL Injection protection is enabled?

A. Optimize Partial Requests
B. Streaming

C. Enable form tagging
D. Percentage Recursive Decoding

Answer: B

NEW QUESTION 46
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 48
Which two settings can be used when creating a Cache Content group? (Choose two.)

A. Remove response cookies
B. Set Lazy DNS resolution
C. Expire cookies
D. Use DNS Query
E. Use browser settings

Answer: AB

NEW QUESTION 49
Scenario: A Citrix Engineer has configured LDAP group extraction on the NetScaler Management and Analytics System (NMAS) for the administration. The engineer observes that extraction is NOT working for one of the five configured groups.
What could be the cause of the issue?

A. The admin bind user has read-only permissions on the LDAP server.
B. The NMAS group does NOT match the one on the external LDAP servers.
C. The LDAP bind DN is incorrectly configured in the LDAP profile.
D. The user group extraction is NOT supported with plaintext LDAP.

Answer: B

NEW QUESTION 50
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 51
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 54
Scenario: A Citrix Engineer has deployed Front-end Optimization on NetScaler. Below is the snippet of the content before and after optimization.
Before Optimization:

```
< !DOCTYPE html>
<html lang= "en">
<head>
    <title>Sample Web Page</title>
</head>
<body>
    <! -- header -->
    <! -- stylesheets -->
    <link href= "assets/fonts/font-robot.css" rel= "stylesheet">
    <style>
        .header {
        background-color:blue;
        }
    </style>

    <div class= "header">
        <a href= "#">
        <span class= "hidden-xs-down m-r-3">Sample </span><span class= "lead">Web Page</span>
        </a>
    </div>
    <!-- /header -->
</body>
</html>
```

After Optimization:

```
< !DOCTYPE html>
<html lang= "en">

<head>
    <title>Sample Web Page</title>
    <! -- stylesheets -->
    <link href= "assets/fonts/font-robot.css" rel= "stylesheet">
    <style>
        .header {
        background-color:blue;
        }
    </style>
</head>
<body>
    <!-- /header -->
    <div class= "header">
        <a href= "#">
        <span class= "hidden-xs-down m-r-3">Sample </span><span class= "lead">Web Page</span>
        </a>
    </div>
    <!-- /header -->
</body>
</html>
```

Which optimization technique has been applied to the content?

A. CSS Minify
B. CSS Combine
C. CSS Move to Head Tag
D. CSS Make Inline

Answer: D

NEW QUESTION 58
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 63
Scenario: A Citrix Engineer configures the Application Firewall for protecting a sensitive website. The security team captures traffic between a client and the website and notes the following cookie:
citrix_ns_id
The security team is concerned that the cookie name is a risk, as it can be easily determined that the NetScaler is protecting the website.
Where can the engineer change the cookie name?

A. Application Firewall Policy
B. Application Firewall Engine Settings
C. Application Firewall Default Signatures
D. Application Firewall Profile

Answer: D

NEW QUESTION 66
The NetScaler processes HTTP/2 web client connections to the backend web servers by . (Choose the correct option to complete the sentence.)

A. Converting the HTTP/2 headers to HTTP/1.1 headers and forwarding them to the web servers.
B. Dropping HTTP/2 requests as it is NOT supported by web servers.
C. Passing- through all HTTP/2 traffic to the web servers.
D. Converting HTTP/2 to HTTP 0.9 and forwarding the packets to the web servers.

Answer: A

NEW QUESTION 68
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 71
Scenario: A Citrix Engineer needs to configure an Application Firewall policy for an online shopping website called "mycompany.com". As a security measure, the shopping cart application is hosted on a separate directory "/mycart" on the backend server. The engineer configured a profile to secure the connections to this shopping cart and now needs to ensure that this profile is allied to all incoming connections to the shopping cart.
Which policy expression will accomplish this requirement?

A. http.req.ur
B. contains("/mycart") & http:req.url.hostname.eq("mycompany.com")
C. http.req.ur
D. contains("/mycart") || http:req.url.hostname.eq("mycompany.com")
E. http.req.header ("url").contains ("/mycart") || http.req.url.contains ("mycompany.com")
F. http.req.header ("url").contains ("/mycart") && http:req.url.contains ("mycompy.com")

Answer: A

NEW QUESTION 74
Which is a single-digit rating system that indicates the criticalness of attacks on the application, regardless of whether or NOT the application is protected by a NetScaler appliance?

A. App Store
B. Safety Index
C. Threat Index
D. Transactions

Answer: C

NEW QUESTION 76
Scenario: A Citrix Engineer has a project to enable Integrated Caching on a NetScaler for a Financial Consulting company whose clients monitor their stocks in real time. Clients are reporting a delay in the displaying of the stock values.
What can the engineer configure on the NetScaler to enable data to be presented to the clients in real time?

A. Dynamic Content Groups
B. Basic Content Group
C. Add another NetScaler
D. Static Content Group

Answer: A

NEW QUESTION 81
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 82
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 85
Which Markup Language is used along with NITRO API to create a StyleBook?

A. YAML
B. GML
C. XML
D. HTML

Answer: A

NEW QUESTION 89
In PCRE, the only characters assumed to be literals are (Choose the correct option to complete the sentence.)

A. A-Z
B. a-z, A-Z
C. a-z, A-Z, 0-9
D. 0-9

Answer: B

NEW QUESTION 90
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 92
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 95
A Citrix Engineer needs to ensure that all traffic to the virtual server is blocked if NONE of the bound Application Firewall policies are matched.
Which setting can the engineer configure to meet this requirement?

A. set appfw settings –undefAction APPFW_BLOCK
B. set ns httpProfile nshttp_default_profile-dropInvalReqs DISABLED
C. set ns httpProfie nshttp_default_profile –dropInvalReqs ENABLED
D. set appfw settings –defaultProfile APPFW_BLOCK

Answer: D

NEW QUESTION 98
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 102
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 104
Which two threats can be prevented by using IP Reputation? (Choose two.)

A. Trojan horses
B. Phishing Proxies
C. Worm
D. Compromised IPv6 web-server
E. Compromised IPv4 web-server

Answer: BE

NEW QUESTION 109
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 113
The NetScaler logging client server can be installed and configured to store the log for . (Choose the correct option to complete the sentence.)

A. HTTP and HTTPS active connections on the NetScaler
B. HTTP and HTTPS requests processed by the NetScaler
C. statistics of the HTTP and HTTPS web sites load balanced on NetScaler
D. status of all the HTTP and HTTPS backend web servers

Answer: B

NEW QUESTION 114
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 coolies 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 ecryptSessionOnly –addCookieFlags httpOnly
–crossSiteScriptingAction none- SQLInjectionAction log stats –SQLInjectionTransfrormSpecialChars 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 116
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