Vendor: Citrix

Exam Code: 1Y0-341

Exam Name: Citrix NetScaler Advanced Topics: Security, Management, and Optimization

Version: DEMO

QUESTION 1
Scenario: A Citrix Engineer created the policies in the attached exhibit.

Click the Exhibit button to view the list of policies.

Policy name	Priority	Expression	Profile	Goto Expression
Policy_A	100	CLIENT.IP.SRC.IN_SUBNET(192.168.10.0/24)	Policy_A	END
Policy_B	110	HTTP.REQ.HEADER("User-Agent").CONTAINS("Safari")	Policy_B	END
Policy_C	120	HTTP.REQ.URL.PATH.CONTAINS("password")	Policy_C	END
Policy_D	130	true	Policy_D	END

HTTP Request:

GET /resetpassword.htm HTTP/1.1
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:64.0) Gecko/20100101 Firefox/64.0
Host: www.citrix.com
Accept-Language: en-us
Accept-Encoding: gzip, deflate
Connection: Keep-Alive

Which profile will be applied to the above HTTP request?

A.   Profile_C
B.   Profile_D
C.   Profile_A
D.   Profile_B

Answer: A
Explanation:
The http request header matches the policy C expression then hit it (neither policy A or B are mismatched).

QUESTION 2
How can a Citrix Engineer monitor the Citrix ADC appliances to check that all SSL certificates have a key strength of at least 2048 bits from the SSL Dashboard Settings?

A.   Delete 512, 1024, and 4096 on the Enterprise Policy tab.
B.   Delete 512 and 1024 on the Enterprise Policy tab.
C.   Select 2048 and 4096 on the Enterprise Policy tab.
D.   Select 2048 on the Enterprise Policy tab.

Answer: C
Explanation:
https://docs.citrix.com/en-us/citrix-application-delivery-management-service/networks/ssl-certificate-dashboard/how-to-configure-enterprise-policy.html

QUESTION 3
Scenario: A Citrix Engineer notices that a web page takes a long time to display. Upon further investigation, the engineer determines that the requested page consists of a table of high-resolution pictures which are being displayed in table cells measuring 320 by 180 pixels.

Which Front End Optimization technique can the engineer enable on the Citrix ADC to improve time to display?

A. Shrink to Attributes
B. Make Inline
C. Extend Page Cache
D. Minify

Answer: A
Explanation:
https://docs.citrix.com/en-us/citrix-adc/current-release/optimization/front-end-optimization.html

QUESTION 4
A Web Application Engineer is reviewing log files and finds that a large number of bad HTTP requests are being sent to the web application servers.

What can the Citrix ADC Engineer to do prevent bad HTTP requests from getting to the web application?

A. Create an HTTP profile and select 'Drop invalid HTTP requests'.
   Assign the HTTP profile to the virtual server.
B. Create an HTTP profile and select 'Drop invalid HTTP requests'.
   Assign the HTTP profile to the Web App Firewall policy.
C. Modify the default HTTP profile and select 'Drop invalid HTTP requests'.
   Bind the default HTTP profile globally.
D. Select 'Change HTTP Parameters' under System > Settings.
   Select 'Drop invalid HTTP requests'.

Answer: D
Explanation:
https://support.citrix.com/article/CTX227979/faq-strict-http-validation-on-netscaler-application-delivery-controller-and-netscaler-gateway

QUESTION 5
Which syntax is used to write a StyleBook?

A. JSON
B. LISP
C. YAML
D. XML

Answer: C
Explanation:
StyleBooks use a declarative syntax, written in YAML, components of a StyleBook can be specified in any order.
https://docs.citrix.com/en-us/citrix-application-delivery-management-service/stylebooks.html

QUESTION 6
Scenario: A Citrix Engineer wants to protect a web application using Citrix Web App Firewall. After the Web App Firewall policy afweb_protect is bound to the virtual server, the engineer

notices that pages are displaying in plain text with graphics included.

What is the likely cause of this?

A. The Safe Objects protection is NOT properly configured.
B. The Start URL list does NOT include CSS files.
C. The Web App Firewall feature is disabled.
D. The policy expression allows for HTML files only.

Answer: B
Explanation:
If the Design is missing it is likely that the css is missing.

QUESTION 7
Which two protections ensure that the correct data is returned by the client? (Choose two.)

A. Form Field Consistency
B. Field Formats
C. HTML Cross-Site Scripting (XSS)
D. Cross-Site Request Forgeries (CSRF)

Answer: AB
Explanation:
Form Field Consistency helps verify that the data submitted by the client matches the expected values and structure.
Field Formats ensure that the data adheres to specified formats, preventing malformed or unexpected input.

QUESTION 8
Scenario: A Citrix Engineer is asked to implement multi-factor authentication for Citrix Gateway. The engineer creates the authentication policies and binds the policies to the appropriate bind points. The engineer creates a custom form using Notepad++ to format the page which will capture the user's credentials.

To which folder on the Citrix ADC will the engineer need to upload this form?

A. /flash/nsconfig/loginschema/LoginSchema
B. /var/netscaler
C. /flash/nsconfig/loginschema
D. /var

Answer: C
Explanation:
https://docs.citrix.com/de-de/citrix-adc/current-release/aaa-tm/authentication-methods/multi-factor-nfactor-authentication/nfactor-extensibility.html

QUESTION 9
Scenario: A Citrix Engineer used Learning to establish the HTML SQL Injection relaxations for a critical web application. The engineer now wishes to begin working on the protections for a different web application. The name of the Web App Profile is appfw_prof_customercare.

Which CLI command can the engineer use to empty the Learn database?

A. set appfw learningsettings appfw_prof_customercare -SQLInjectionMinThreshold 0
B. set appfw learningsettings appfw_prof_customercare -startURLMinThreshold 0
C. reset appfw learningdata
D. export appfw learningdata appfw_prof_customercare

Answer: C
Explanation:
reset appfw learningdata
Remove all databases. Make transaction count zero
https://docs.netscaler.com/en-us/citrix-adc/current-release/application-firewall/profiles/learning.html

QUESTION 10
Which Citrix Application Delivery Management (ADM) Analytics page allows a Citrix Engineer to monitor web application traffic?

A. Web Insight
B. WAN Insight
C. HDX Insight
D. Gateway Insight

Answer: A
Explanation:
The improved Web Insight feature is augmented and provides visibility into detailed metrics for web applications, clients, and Citrix ADC instances.
https://docs.citrix.com/en-us/citrix-application-delivery-management-service/application-analytics-and-management/web-insight.html

QUESTION 11
Which report can a Citrix Engineer review to ensure that the Citrix ADC meets all PCI-DSS requirements.

A. Generate Application Firewall Configuration
B. PCI-DSS Standards
C. Application Firewall Violations Summary
D. Generate PCI-DSS

Answer: D
Explanation:
https://docs.citrix.com/en-us/citrix-adc/current-release/application-firewall/stats-and-reports.html

QUESTION 12
Scenario: A Citrix Engineer manages Citrix Application Delivery Management (ADM) for a large holding company. Each division maintains its own ADC appliances. The engineer wants to make Citrix ADM features and benefits available to each group independently.

What can the engineer create for each division to achieve this?

A. A site

B. A role
C. A tenant
D. A dashboard
E. A group

Answer: C
Explanation:
Multitenancy is no longer supported for ADM on-premises and service deployments."No tenant
has visibility into the instances and applications of the other tenants. Only the system admin has
visibility into all instances, applications, and reports of all tenants.
https://docs.netscaler.com/en-us/netscaler-application-delivery-management-software/current-
release/access-control/multi-tenancy.html

QUESTION 13
Scenario: During application troubleshooting, a Citrix Engineer notices that response traffic
received from a protected web application is NOT matching what the web server is sending out.
The engineer is concerned that someone is trying to disrupt caching behavior.

Which action is the Citrix Web App Firewall performing that would trigger this false positive?

A. Removing the Last-Modified header
B. Inserting a hidden form field
C. Removing the Accept-Encoding header
D. Modifying and adding cookies in the response

Answer: A
Explanation:
Removing the Last-Modified header can disrupt caching behavior, as this header is used by
browsers and proxies to determine if the content has changed since it was last cached. This can
lead to discrepancies between what the web server sends and what the client receives.
https://docs.citrix.com/en-us/citrix-adc/current-release/application-firewall/introduction-to-citrix-
web-app-firewall.html

QUESTION 14
Scenario: A Citrix Engineer configures Citrix Web App Firewall to protect an application. Users
report that they are NOT able to log on. The engineer enables a Start URL relaxation for the path
//login.aspx.

What is the effect of the Start URL relaxation on the application?

A. Access to the path /login.aspx is unblocked.
B. Access to the path /login.aspx is blocked.
C. External users are blocked from the path /login.aspx.
    Internal users are permitted to the path /login.aspx.
D. Non-administrative users are blocked from the path /login.aspx
    Administrative users are permitted to the path /login.aspx.

Answer: A
Explanation:
Enabling a Start URL relaxation allows access to the specified path (in this case, /login.aspx) by
bypassing certain Web App Firewall checks, ensuring that legitimate requests to this path are not
blocked, allowing users to log in successfully.

QUESTION 15
Which setting in the Cookie Consistency protection feature does a Citrix Engineer need to configure to ensure that all a cookie is sent using TLS only?

A. Encrypt Server Cookies > Encrypt All
B. Flags to Add in Cookies > Secure
C. Encrypt Server Cookies > Encrypt Session Only
D. Proxy Server Cookies > Session Only

Answer: B
Explanation:
This setting ensures that the "Secure" flag is added to cookies, which forces the cookie to be sent only over a secure connection (TLS/SSL). This is essential for protecting sensitive information in the cookie by ensuring it is transmitted over an encrypted channel.
https://docs.citrix.com/en-us/citrix-adc/current-release/application-firewall/cookie-protection/cookie-consistency-check.html

QUESTION 16
Which security model should a Citrix Engineer implement to make sure that no known attack patterns pass through Citrix Web App Firewall?

A. Hybrid
B. Static
C. Positive
D. Negative

Answer: D
Explanation:
https://docs.citrix.com/en-us/tech-zone/learn/poc-guides/citrix-waf-deployment.html
The negative security model employs vulnerability signatures to prevent known attacks.

QUESTION 17
Scenario: A Citrix Engineer has configured Integrated Caching to improve application performance. Within hours, the Citrix ADC appliance has run out of memory.

Which Content Group setting can the engineer configure to show the caching process until a need is demonstrated?

A. Maximum memory usage limit
B. Quick Abort Size
C. Do not cache - if hits are less than
D. Do not cache - if size exceeds

Answer: C
Explanation:
https://docs.citrix.com/en-us/citrix-adc/current-release/optimization/integrated-caching/improve-cache-performance.html

QUESTION 18

A Citrix Engineer reviews the App Dashboard and notices that three of the monitored applications have an App Score of less than 50.

The engineer can interpret the App Score as a metric of application _____. (Choose the correct option to complete the sentence.)

A. security, with a lower score indicating better security
B. performance and availability, with a higher score indicating better health
C. performance and availability, with a lower score indicating better health
D. security, with a higher score indicating better security

Answer: B
Explanation:
https://docs.citrix.com/en-us/citrix-application-delivery-management-service/application-analytics-and-management/dashboard/application-management.html

QUESTION 19
Which Front End Optimization technique causes the Citrix ADC to resize images before sending them to the client?

A. Minify
B. Shrink to Attributes
C. Compression
D. Inlining

Answer: B
Explanation:
https://docs.citrix.com/en-us/citrix-adc/current-release/optimization/front-end-optimization.html

QUESTION 20
A review of purchases made at an online retailer shows that several orders were processed for items at an unpublished price.

Which protection can a Citrix Engineer implement to prevent a site visitor from modifying the unit price of a product on the shopping cart page?

A. Cross-Site Request Forgeries (CSRF)
B. Form Field Consistency
C. HTML Cross-Site Scripting (XSS)
D. HTML SQL Injection

Answer: B
Explanation:
The Form Field Consistency protection ensures that critical fields, such as the unit price of a product, cannot be tampered with by the user. It validates that the data returned by the client is consistent with the original form, preventing unauthorized changes to values like price in a shopping cart. This is crucial in preventing manipulation of prices during online transactions.

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