Pre assessment 21

Monday, July 24, 2023 9:18 PM

21. Org wants to combine security controls to control incoming and outgoing traffic. Shoold include stateless inspection, malware inspection, and a content filter

> A. ULAN B. NAT C. UTM O. ONSSEC C. WAT

Onified threat management UTM - advance Grawall that combines multiple controls together like stateless inspection, malware analysis, and content Giter

no other answers provide these ULAN is for vetwork segmentation on switch

Network Librers Translation NAT - converts public to private IP addresses and via versa

DNSSEC provides validation for ONS reporses

Web app Grewall WITH - pro. On web server from internet based attacks

- 22. Deploying Linex server in Screened subnet. Want to manage from pc in private utwork
 - A. Farward proxy server
 - B. Reverse proxy server
 - c web app Grewall
 - 0. Jump server

Jump server - placed between seconity 2 over and is used to manage devices in the other 2011

could connect to jump server using 55th, then linux server using 55th Grundsding

forward proxy for ostgring internet traffic

reverse proxy for incoming intervet traffic

23. Several attacks against servers in DMZ. Which will prevent? A. Anomaly based In

(B.) inline IPS

C. Passive IDS

D. Signeture-based IPS

inline IPS only one feat will prevent

24. Coffee Slup Stopped broadcasting SSID for wineless network. Turn on laptop and sex tue SSID, what is the attack?

A. Roque AP

B) Evil twin

C. Januving

D. Bluejacking

evil twin - a roque Access
point (AP) with the Same or similar service set identifier SSID

January - not allowing anytaly to convect to wineless network

bluejacking - related to bluetooth

25. Must pot smartphone in conductive melad box before entering area. Which is greatest risk to ID this witigate?

A. Bluesnar fing B. Thett of phone C. Pata exfiltration from Weble hotspot

D. Enable geofencing

Bluesnarting - unauthorized access to into on wireless device through blue tester

conductive metal boxes

are a Graday case that

blocks bluetooth signals

lockboxes pravout theft but not main concern if (ouductive

Wireless hotspots are in public locations

quotencing - creates - mant funce using GPS, but devices in cago want access GPS

26. Designing site to site UPN
between offices in different
Cities. Use of certificates
Cities. Use of certificates
want to ensure interval
TP addresses are hidden.

A. IPSEC VPN vsing tonnel

Mode

B. IPSEC VPN vsing transport

Mode

C. CZTP VPN

D. VLAN VPN

I P sec UPN provides motival authentication

tunnel mode - encrypts payload

and IP headers

transport mode - only

encrypts payload

encrypts payload

Loyer 2 travelly protest

VLAN UPN - provides network segmentation but does not act as VPN

27. Want to use HSM on server in network. What does tais add to server?

A. Provide Full drive encryption

B. Reduce Tisk of confidential

info outside org

C. Provide webrail to clients

(D) converate and store keys

hard wave sown by module gunerate and store RSL Kops

can be used to encrypt

can be used to and from

Jake sout to and from

server

trusted platform module TPM

provides full drive encryption

Pata loss prevention DLP-reduce

TSK of sanding contiduction

7/25/23, 10:42 PM OneNote into outside org SaaS provides webmail 28. Need to send email with sensitive into. Which best waintains confidentiality? A. Digital signature (B.) Encyption C. Data masking O. Hashing encoyption provides confidations of any type of into digital signature provides Integrity, non-organiation, and authentication

data masking modifies original data producing data that lasks valid but unt authentic hasting provides integrity

24. Stores same data in class with its own resources. Another company also stores in cloud at own resources. Both decion to share data in both Clouds for educational purposes.

A. Community
B. Private
C. Public
V. XaaS

created a community closel both (loods separate were private, but shared researces were not

sharing only with each other, wearing it is not poblic - visible by everyone

Anything as a Service Xaas

Clook Services beyond

Taas, Paas, and Saas

30. Planning to implement a

CYOD deployment model.

Which are appropriate for

policy?

A. SCADA access

(B.) Storage segmentation

C. Database seconity

D. Embeddel KTOS

Storage segmentation - create
separate storage areas
in nestile devices
can be used with choose
your own device (400 vsers own device (400 devices

no ofus answer related to

Supervisory control and data acquisition SCADA - controls industrial control system ICIs such as unclear plants or water treatment SCADA sworld be isolated

Patabase security - ose of permissions and encryption to protect data in database

Publidded systems use real-time

most react within period

Jia cloud Each will include os and core group of apps. Cloud will manage desktops. Enployees can access from anywhere and my device

> A. Iaas B. CASB C. Saas (O) Xaas

anything as a service Xeas would include desktops as a service

Iaas - veudor provious access to pc, but customer most justable of and apps

Clark access security broker CASB - software tool used to provide additional security for closed resources last provides orderlying

Cloud SIMCES

saas provides apps but not entire desktops

32. Want to improve security
posture. <u>Paesut have any</u>
security staff.

A. SOAR B. MSSP C. Saas O. Xaas

provider MSSP - John provides party reader MSSP - John provides for org swrity services for org swrity services for org swrity orchestration, automation, automation, automation, automates incredent response automates incredent response for some events for some events requires servicy staff requires servicy staff seas and raas still need search security staff

33. Allow employees to convect

for internal veterork sains

personal deice. Howing problems:

personal deice. Howing problems:

A. BYOO B. COPE CYOO D. Taas

CYOD - includes a list of acceptable devices that employees can purches and connect to network

IT can can then osc nobile device management MOM system for Standardized management

Brief your own device BYOD does not have standardization

corporate owned personally enabled

Levices, not employees

34. Discover now systems on network during vulnerability
scan. Systems weren't same someone authorized because someone installed whost gains through steadard process.

A. Hackfirist B. Script biddie

C. Shadow IT hacker

O. Authorized hacker

Shadow III - any systems

or apps installed on network
without author approval
without author approval
employees often and to bypacs
successfy controls

vackfirist - launches affacks
as part of activist novement
as part of activist novement
script kiddle - uses existing
script to
software or scripts to
software or scripts to
affack and offen has little
affack and offen has little
edurical ability

puttion red hacker um White hat - security professional working with law to protect org

35. Received phisting email with malicions attachment. Opened and installed malware that quickly spread to other systans on vetrooth. Exploited Wherability that wasn't Previously known by any trosted sources.

A. Backdoor (B.) 2000-day C. Hoax 0. 000S

Tero-day - not known by trusted sources like autivires hour - vot a specific attack, Missay spread about impending doom of ins mily threat that

doesn't exist

Mos comes from multiple sources

36. Completed autivirus scen and detected trojan. Pennaved trojan but worried attackers trojan but worried to accers.

A. Backdoor
B. Lojic bomb
C. Rootkit
D. Botnet

trojans often create booklass,

Logic bombs and reothers

can create backdoors

but trojans don't create

logic bombs and rarely

install roothert

37. Some vetwork appliances

Movitority incoming data

Conding alerts about

Walicards files. These are

Walicards files with tas. 92

PE32 files with tas. 92

Design and being dampeded

Opened email with intected MHT file.

A. Systems joined bothet

B. installed ransonware

C. installed RAT

D. Shedow IT ronning in retwork

Users installed RAT whon

they opened MHT Rile -MHTML is a webpage archive that stores HTMC,

JS, CSS, images, etc.

after installing RAT, installed postable executable PE32 Gles

System way have joined between but scarario doesnt

indicate

rausanwave would encrypt

Lata

Shadow IIT we wanter systems in vetwork

38. Unable to access probeen encrypted ontil pay MUSOM.

A. Criminal Syndicate

(B.) Ransonware

c. Fileless virus

O. Rootkit

Criminal Syndicate - launchers criminal organized attack

fileless virus- injects code and may justall ransonwas but not ransonnable itself

rootkit - programs or group of programs that provide root-hevel access to system lest hides itself

34. SIEM sanding alests saying malware has infected several pcs. Exacrive border firewall NIDS logs, but cant

Rud malicions tration from internet. All employees affected attended trade show in past 2 days

(A.) fileless virus via v Card

B. Malware on USB

c. Trojan from botnet

D. Worms from presentation media

Vard virtual contact file VCF - people soully share contact into w/ v(ards but can contain malicias code

OSBs not wentiared medicions traffic from betnet cames from intervet but IT didnt find any

Speakers at trade shows Or presentation media but viewing presentation want infect systems

40. Receive email sur. Jonas Confirm Wou lottery. Need to confirm identity w/ name, phone, address, boday. Will receive prize after.

A. Spear phishing

- (B.) Phishing
 - C. Smishing
 - D. Whating

general phishing, ust targeted (spear/whaling) saisting from text, not email

41. Some protocols include Sequence #'s and finestamps. Which does these theoast?

A. MAC flooding

(B.) Replay

C. SYN flooding

O. Salting

and sequence

timesterny.

He act as counter measures

against replay attacks

Media access control MLC
flood attack - floods
switch with different
MAL addresses

SYN flood disropt TCP navoshake

Salting is not an attack

42. Reviewing logs for web
server and see sus entires.

sospect an attacleur trying
sospect white ware data into
web app memory than it
web app memory than it

A. Pointer lobject dereference B. Race condition exploit C. DU injection attack (D.) Buffer overflow attack

write more data into

can handle

pointer object dereference programming error that can corrupt memory programmers, not attackers cass finis

Gace condition exploit - programming conflict where 2 or more apps as app models toy to access or modify same resource at the same time

dynamic link library OLL injection attack injects DLL into menory and causes if to run

Oll - microsoft windows module of functions or data other programs of OUS can use

43. Org hosts web app celling digital products. Costonies can post comments. to exploit. What is best way to test resilience of app?

A. Fozzirg

B. Input whidation

C. Error handling

O. tuti malware

fozzivg - type of dynamic

cool analysis that tests

site resilience

site resilience

sends random data to

import validation and error not wonding protect, but not test

same with auti-malware

44. Attacker (aunched successful xss attacks on web app. Which are best to postert and prevent?

A. Dynamic code an-

(B.) Impot validation

C. Code obfoscation

O.)WAF E. Normalization

jugot validation and WAF are best

inpot validation - validate input before using

WAF - additional forewould quat manitors, filters, and blacks HATP traffic to web server

Dynamic code analysis is testing method

code offiscation-makes code howder to read

normalization - organize tables and colonns in database to reduce redundant data and improve overall database

per formar

User has account to post

Comments. Enters viername

and puried to logiv and

Site displays viername.

Changed viername to JS

Changed viername.

Wherevery over name.

A. Cross site scripting

B. Input validation

C. Privilege escalation

P. Virectory traversal

input validation is how
input validation is how
protect against it

you protect against it

privilege escalation - attempt

to give attacker more
ights or permissions
ights or permissions
attacker rangates systems
attacker rangates systems
attacker rangates systems

reals GUS

46. Which best describes, purpose of risk register?

A. Shows risk on plot or graph

- (B.) Listing of risks, risk owner, and mitigation weasores
 - C. Shows risks in color coded graph.
 - D. Evaluates Supply chair

risk register - lists risks and often includes risk, risk owner, witigation measures, and risk score

risk matrix - plots risks in