Government en hand callal
Government enhanced collaboration on cyber defense
The state of the s
Unit-3 deignment
VISAPUTION
What are different ways to Provide authorise to
Discuss lovelly
3) Parword: Based Authentiation
bler Providera Secret Parrisod known only to them this is simple but vulnerable to guessing and beste blue attacks
this is simple but velgerable to guering and bette
force attacke
Exil dogin to small account by entering Email- To and
Exit of Sogin to grail account by entering Email-Is and
by your divine arms have a hardwilly been the
(ii) Null-factor Authentication (NFD):- It requires wento
Kevent two or more authentication factor Parsword
OTTOX Liometre even if one feather leaked unauthorized
access is Still Prevented, advantage
Contingats bestwood and oth both should be provided
le Probided
Emily with accomplished and a complete and a comple
iii) (extificate based Authentication: User digital contificates involved by a trusted certificate authority (14) to
involved by a tousted Certificate authority (c.4) to
verify identity
Ex-Login, devir Providera client contificat lesse
Cornracting to network
1 - Nobel - Mobile
in) Token-based Authentication: Involes the use of security
Token-based Authentication: Involes the Use of security fokene which can be hardware devices of evolutions that generate unique LA Server to Token; Google Anthentication Arr Generat Cool
that generale Unique
RSA Souve to To Ken; Google Arthentication All General
Coole

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	Biometric: Hutherticale was based on Kir Unique Sological Chanacteristic difficult to relibert or et al Eg: Unlating amonthtone using finger Print
h;>	189: Untaking amares of the last of the organistic washing the tacker get the off it become after Lorra time
ho_	When we have to login into Bank website he will recieve of there &MS
vii)	Public Key Impouture: User Public and Private Key along with digital Cortificate for authentiation for when we access a senter HTTP website the
2 1 1 (c)	Certificale Half wing a Public Key
Viii)	Kerboros Authentication: A Ticket based authentication Botocol that was a key Distrubution Center (KOC) Lo Security authentical Wes.
2)	Isla MAC was a weak hash function how con
-)	Mexagie Authentication Code (MAG) ensure message integrity and authentication using a host function and a decret key
	Collina attack: - More is valnerable to collina attack, meaning an attacks can find two different reverges that Broduces the same hash outlet
1	resigns that moduces the same hash outflit

	(PAGE NO:
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	that Produce a electric MAC Making it Porrible to Jorge
	mexage
	I WELL ALEK TIM MOVE Selement la
(iii)	dength Edention Attack: If the MAC inclementation is Poor like allending the Key to Message affactors can
_	Perform Lingth Entension attacks where they alkered
	Palsa data to the original merge and Calucaka
	Valid MAC without Knowing the Key
2)	If any attacker verlags an add mersage with a valid MAC how can this be brevented?
	Valid MAC Now Can This te treated
2	This is called a Replay Attack The stamps: - Contains a time stamp Ineach message
9	The reciever checks if the filme stamp if recent
	VEX.XXX AMAZINE DELLA CONTRACTOR DELLA C
(11)	Number Used One: - of Harka Unique randon
	number with each message. The Viciever Keep track
	number with each message. The viciever keets track of already deen moves to seject realays
	1 /) an and a leavery
(iii	Sequence Number: The incremental sequence Member with Each mercage. The verieur only mannage with a higher sequence number than before
	Mimber with each menage for some number than
	mannage with a right support
	lersion Toker: In service short lived tokens that entire after a short fine after Lingle was
1	Hat enlike after a show the after Lingle was
	1 1 0 1 0 1 0
	How does the Public Key distribution Browlen
5	lay allowing two Parties to fectionly general a
	low does the Public Key distribution Problem? Loy allowing two Parties to Security generate a have dearly key owner an insecure Communication harmed without actually transmitting the Key
	hannel without actually transmitting

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