9	Cubiant:
9	Subject:
3	(Nathan Home - Volume 1): The threat & Vulnerability Landing
-	know yourcelf
-	* We can create files such that when someone opens that file,
-	or clude on a link, you are notified about it on email
	-> go to station ( causing tokens
	-> generate canary tollen
	-> get notified when someone opens it
-	* Protect what you value the most- Identifying the security and
	is the most important Eq. Personal Identifiable Information
	or your credit card details.
	knowing, who you are. Eg. an encrypted email to a
	knowing, who you are. Eg. an encrupted email to
-	friend.
	& Anonymity is nobody knowing who you are, but potentially
	- Selling what you do. for ye are anomy in it is contin
-	resultation with a when you wish to only a reputation
-	against an identity. Ea. If someone is on the social media
	against an identity. Eq. if someone is on the social media with a different fictional name, then you may not know
	who they are but you can attribute posts & activities to
1	them. (A false identity)
	All of the above are assets that we want security
	from threats posed by adversories.
	A threat will try to explose vulnerabilities in your
-	Security to access your assets.
	Jan
	Risk = (Vulnerabilities) X(Threats) X (Consequences)
-3	The state of the s
3	Risk Assessment: Identifying assets that you want to protect
3	from exploitation.
3	· j · - · · · · · · · · · · · · · · · ·
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* 100% risk & 100% anonymity are	not guaranteed.
You are never 100% protected.	
Threat modelling:	2
( Select the Security System you	want to integrate
<b></b>	v
2 Implement the chosen syst	en
3 Assus He effectiveness of H	e system
*	
(4) Monitor the system to chick	if a weakness
ûs discovered.	
<b>A</b>	
A Brivacy & Anoughity & Se	curity you
	need
\$ To select the appropriate security cont	rot, we do risk
ausus ment.	and the second second
-> The security controls need to enable	e security attributes.
-> For every auset, think about:	
	auset to be disclosed?
· Confidentiality: Do you want the a	uset to be unintentioned
altered? (No modifi	ications)
· Availability: Do you want it to i	
(Avoilable when need	ded)
20 CIA → Confidentiality, lut	earity, Availability
	0 3)
:. A person requesting security over	an entitu muut
inform what they need? They ne	1d C2717 A2
The state of the s	
· The CIA downt cover all recurify need	L. Hence, we need
more comprehensive attribute syste	
$\mathbf{J}$	

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-	Subject :
-9	A Parkerian Hexad! Six Scarrity Attributes
-	
-	-> Confidentiality
	-> Possemion (Loss of Control)
	-> Integrity
	→ Authenticity (Authorship)  → Availabi'uty
	-> Utility (Usefulneus)
9	A Three are three other security attributes, not a part of Hexad:
	-> Non-repudiation (Suder cannot deny
	Sending a memage)
-	-> Authorization (what permissions you have
4	-> Authentication (verifies the identity
	of the user)
9	Defence-in-Depth: if one fails, other can defend.
1	Prevention -> Detect -> Recover
9	\(\lambda\)
9	(eg. encryption) (eg. lanary)
9	* Fero Trust Model: The lesser you trust, the lower your risk.
3	-> Mitigate the risk by distributing the trust
3	d have by the mast
-	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$
-	
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3	
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