IA > Information Assurance Conganizational Security] Five Properties of Information Assurance: Nonnepudiation Integnity CIANA Confidentiality Authentication Availability Confidentiality > Information is available to those who are authonized and hidden from the area unauthonized. The "need to know principle enfonced in military is as to access centain information, one would not be given access to such information, unless one has a specific read to know that is access to the information must be necessary to conduct one's official duties." Example: Encrypting an income tax return will Proven amyore from reading it and if the owner needs to see the neturn, it must be decrypted. Here, a key is used for decryption and if the key is Compromised, the confidentiality is destroyed!	IA-> Information Assumance Conganizational Security]	6
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Nonrepudiation -> It is the assumance that the sender of data is provided with proof of delivery and the recipient is provided with proof of the sender's identity, so reither can later darry having provided the data.

In physical would are use handwritten signatures but are home digital signatures too for Cyberr would!

Authentication -> The process on action of verifying the identity of a user on process. Password is the most common method of authentication.

Authoritication is slightly different from authoritiation.

Authorization = Usermanne + Password (who you are)
Authorization = Permissions (what you are allowed
to do)
> Accen Control

Authoritication comes first then authorizations

Risk = Likelihood x Impact

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(we are actually not going to multiply anything, but it gives on idea. It either of these factors increase, so does the Hisk!)

Likelihood is a function of threads and vulnerabilities. A vulnerability is a weakness on defect in a system that maybe exploited to do a bad stuff.

A threat is an actor who has the potential and Botivation to do bad stuff.

A vulnerability in the absence of threads is no Problem (for example, it does not matter that Superman is vulnerable to kryptonite it there are no bad people that have accent to kryptonite)

Similarly, threads are no consequence to an invulnerable system (for examply, mean kids with water gum one not a problem for the adults).