Slide 1	Networking and Health Information Exchange Unit 9b Privacy, Confidentiality, and Security Issues and Standards	
Slide 2	Access Control • Who or what is allowed access to a particular resource and what level of access are they allowed • Terminology • Identification • Authorization Authorization	
Slide 3	Access Control Best Practices • Separation of duties - Require more than 1 person to perform an action • Least privilege - Only give user the access they need	

Access Control Models

- Discretionary Access Control (DAC)
- Mandatory Access Control (MAC)
- Role Based Access Control (RBAC)

Slide 5

Access Control Types

- Logical
 - Access to data files, programs and networks
 - Access Control Lists (ACLs)
 - Account Restrictions
 Passwords
- Physical
 - Access to physical locations
 - BadgesMantraps

Slide 6

ACLs An ACL is a list that is associated with file, directory or object that lists who has access to it and what access they have.

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Account Restrictions

- Account expiration
- Time of day



Slide 8

Passwords

- · Combination of letters, numbers and special characters
- Recommend upper and lower case characters
- The more characters the better
- Should be changed frequently

Slide 9

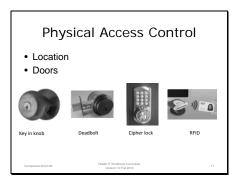
Password Should Never

- Should never be written down
- Should never be a word in a dictionary, words spelled backwards, common misspellings, and abbreviations (English or other languages)
- Should never substitute letters with numbers
- Should never contain personal information - Social engineering

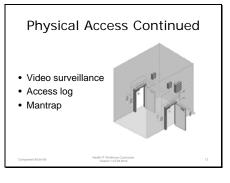
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Slide 10





Slide 12



Biometrics

- Fingerprints
- Faces
- Hands
- Irises/Retinas
- Behavioral
- Keystroke
- Voice

• Cognitive

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Slide 14

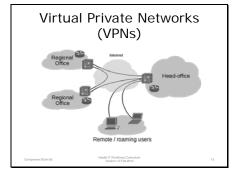
Authentication Practices

- Layering
- Multi-factor
- Single Sign-On (SSO)

Don't have a Windows Live ID? Sign up

One Windows Live ID gets you into Hotmail, Messenger, Xbox LIVE — and other Microsoft senices.

Slide 15



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Security Policies

A collection of policies that lay out specific rules and requirements that must be followed in order to provide a secure environment.

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