

DAILY ASSESSMENT FORMAT

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Course:	CISCO-IOT	USN:	4AL17EC071
Topic:	Chapter 5	Semester & Section:	6 SEM & 'b' SEC
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FORENOON SESSION DETAILS

Image of session

The image shows two screenshots of Cisco Networking Academy slides. The top slide is titled "Security Best Practices" and lists various security measures. The bottom slide is titled "Data Center Physical Security" and shows a diagram of a data center with physical security points.

Slide 1: Security Best Practices

Chapter 5: Everything Needs to be Secured

5.1: Security in the Digitized World

5.1.2: Protecting the Corporate World

5.1.2.1: Security Best Practices

Security Best Practices

- Perform Risk Assessment
- Create a Security Policy
- Physical Security Measures
- Human Resource Security Measures
- Perform and Test Backups
- Maintain Security Patches and Updates
- Employ Access Controls
- Regularly Test Incident Response
- Implement a Network Monitoring, Analytics and Management Tool
- Implement Network Security Devices
- Implement a Comprehensive Endpoint Security Solution
- Educate Users
- Encrypt data

Perform Risk Assessment

Knowing the value of what you are protecting will help in justifying security expenditures.

Security Best Practices

Securing the network involves all of the protocols, technologies, devices, tools, and techniques that secure data and mitigate threats. Network security is largely driven by the effort to stay one step ahead of ill-intentioned hackers. Just as medical doctors attempt to prevent new illnesses while treating existing problems, network security professionals attempt to prevent potential attacks while minimizing the effects of real-time attacks. Networks are routinely under attack. It is common to read in the news about yet another network that has been compromised.

Security policies, procedures, and standards must be followed in the design of all aspects of the entire network. This should include the cables, data in transit, stored data, networking devices, and end devices.

Some security best practices are listed in the

Slide 2: Data Center Physical Security

Chapter 5: Everything Needs to be Secured

5.1: Security in the Digitized World

5.1.2: Protecting the Corporate World

5.1.2.2: Physical Security

Data Center Physical Security

Physical Security

Today's data centers store vast quantities of sensitive, business-critical information; therefore, physical security is an operational priority. Physical security not only protects access to the premises, but also protects people and equipment. For example, fire alarms, sprinklers, seismically-braced server racks, and redundant heating, ventilation, and air conditioning (HVAC) and UPS systems are in place to protect people and equipment.

Figure one shows a representation of a data center. Select each circle for more information.

Physical security within the data center can be divided into two areas, outside and inside.

- Outside perimeter security** - This can include on-premise security officers, fences, gates, continuous video surveillance, and security breach alarms.

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Apps New Tab Syngene VPN

Introduction to the Internet of Things

Chapter 6 Educational and Business Opportunities

6.1 Where Can I Go from Here?

6.1.2 Educational and Professional Opportunities

6.1.2.1 Cisco Networking Academy

Cisco Networking Academy

The rapid growth of networks has created a global shortage of people who are qualified to implement and maintain networking solutions, especially in places where networks are being built to promote economic development. At the same time, people need access to better training and career opportunities to successfully compete in the global economy.

With over 10,400 academies in 180 countries, the Cisco Networking Academy helps individuals prepare for industry-recognized certifications and entry-level information and communication technology (ICT) careers in virtually every type of industry. The Cisco Networking Academy helps address the growing demand for ICT professionals, while improving career prospects in communities around the world.

The Cisco Networking Academy Program has

+10,400 Academies
+180 Countries
+7.8M Students Served
+22K Instructors

+1.3M Currently Enrolled Globally
Preparing people for IT careers since 1997

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6.1 Where Can I Go from Here?

6.1.2 Educational and Professional Opportunities

6.1.2.3 Communities of Interest

Communities of Interest

A community of interest is a group of people who share a common interest or passion about a specific topic. These people get together to share information and ideas about this topic.

This shared interest allows the group to develop into a true community. Members of these communities are extremely knowledgeable and passionate about the topic being discussed and are willing to share their knowledge with other community members. This makes the community an excellent resource for the development of the area of interest.

The Internet allows these communities to exist virtually and span several geographic areas and time zones. Members can share files and technology in real time.

Several IoT communities exist. The IEEE runs an IoT community that can be found [here](#). LinkedIn

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Report – Report can be typed or hand written for up to two pages.

CRSC 201

Day 09/07/2020 - Friday

Chapter 5: Everything needs to be secured

- Security in Digitalized world

- Why is security so important?

Types of Data

- PII

Personal

PII is any data relating to a living individual that can be used, on its own or with other information, to identify, contact, or locate a specific individual.

- Latent Types of Data

- What's Wrong with Data?

- Latent Internet Fingerprint

- Security but practice

Security policies, procedures, and standards must be followed in the design of all aspects of the network. This should include the code, data in transit, stored data, network security devices and devices.

- Physical Security

- Challenges of choosing Ed course

- High Wi-Fi usage

- Protecting devices, Backed Track - Congestion
Unstable bandwidth

- Smart home, Public hotspots, setting up a
VPN and more

- Let D. know your own online behavior

> Chapter 6: Educational Business Opportunities

- Education: digital content

- The EdTech is also helping business from the
design of market and reputation tasks
such as they are how to create a higher
intellectual power and the chance to
replace all the EdTech stuff

- Challenges in the Digitalized world

- The Evolving Ed Market

- Entrepreneurial mindset

- lifelong learning

- U.S. Networking Academy - Networking
Academy Curriculum

- Computerized Internet, Industry Certification

> Certificate

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