K2W Cyber Security CSC Template LF298.CyberSecurity.Template.K2W　　**(Course is unavailable to students)**　　Firewalls & E-Commerce　　　Edit Mode is: ON
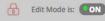
K2W Cyber Security CSC Template (LF298.CyberSecurity.Template.K2W)

K2W Cyber Security
Support Team
Cybersecurity Competition
Web Links

Network Concepts

Network Security Basics

Attacks & Crimes

Access & Authentication

Firewalls & E-Commerce

Network Security Layers

Legal Topics

Weekly Interaction
Competency Progress

K2W Website
Library Help
LFCC Help & Support

Course Management

▼ **Control Panel**

▷ My Files ⊘
▷ Course Tools
▷ Evaluation ⊘
▷ Grade Center ⊘
▷ Users and Groups
▷ Customization ⊘
▷ Packages and Utilities ⊘
▷ Help

✖ Quick Unenroll

Firewalls & E-Commerce

Build Content ⌄　Assessments ⌄　Tools ⌄　Partner Content ⌄　　　Discover Content

Introduction & Procedures

Enabled: Statistics Tracking

This topic area will demonstrate competency in firewalls, Web security, and e-commerce security through firewalls concepts, types, topology, client/server architecture, Web server, HTML, TCP/IP, HTTP in relation to Web Security and digital certification.

A student must achieve a minimum of 80% of the total points allowed for this competency. That equates to 720 points out of 900 points. How this score is calculated can be found as descriptions under the various topics. Do not assume that each task is successfully accomplished if 80% is achieved for that particular task. Take notice of the variances.

Completion of the following tasks are required after completing Network Concepts and Network Security Basics:

1. **Firewalls and VPNs VLE labs Competency Assignment:** (Complete ALL 10 virtual labs These labs can be accessed via the Firewalls and VPN VLE Competency Lab link given below. Since the student will need to purchase an access code for these labs, a link is also provided below to do that.)
2. **Firewalls and VPNs Analytical Competency Assignment** (Click on the folder name and the assignments are given within that folder. Please read the background information prior to starting this.)
3. **Firewalls and VPNs Competency Assessment #1** (An assessment using multiple choice, and short answer and essay type questions; student gets two attempts to achieve the required score.)
4. **Firewalls and VPNs Competency Assessment #2** (An assessment similar in format to assessment #1 cover other materials; Student gets two attempts to achieve the required score)

Furthermore, in order to assist the student, Digital resources are provided as learning tools to enhance the student's knowledge as preparation for accomplishing any of these tasks.

Required Competencies

Enabled: Statistics Tracking

- Differentiate among various techniques for making a computer network secure.
- Modify a system to improve data confidentiality or regulatory compliance.
- Use documentation or a knowledge base to resolve a technical challenge in an identified computing scenario.

Digital Learning Resources

Enabled: Statistics Tracking

These learning resources will help you learn areas of network communications, security, and authentication.

This folder contains digital learning resources that cover the competency areas.

- It is recommended that the learner review this information prior to taking the two assessments.
- If required scores are not earned, the learner should review this material before attempting the assessments again

Network Security, Firewalls and VPNs Virtual Lab Access Code Purchasing

Enabled: Statistics Tracking

- The student must purchase the access code to complete Lab Activities
- All labs must be completed
- A score of at least 80% must be earned on each lab. See details under the VLE Lab assignment.

Purchase lab access at http://www.shopjblearning.com/shop_home.php

Hacker Techniques, Tools, and Incident Handling Second Edition (Oriyano) – ISBN 978-1-284-06505-3
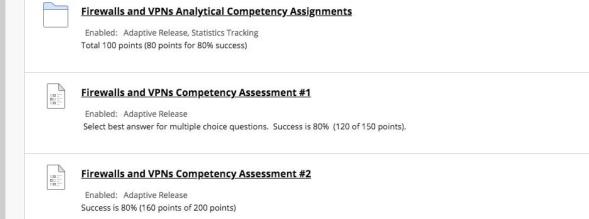
Plug the ISBN in the search bar and purchase from there. Please read site details before purchasing.

Firewalls and VPNs VLE Virtual Labs Competency Assignments

Enabled: Adaptive Release, Statistics Tracking

This folder contains 10 Virtual labs to perform and submit required deliverables. Each lab is worth 45 points for a total of 450 points. (80% success is 360 points.)

Firewalls and VPNs Analytical Competency Assignments

Enabled: Adaptive Release, Statistics Tracking
Total 100 points (80 points for 80% success)

Firewalls and VPNs Competency Assessment #1

Enabled: Adaptive Release
Select best answer for multiple choice questions. Success is 80% (120 of 150 points).

Firewalls and VPNs Competency Assessment #2

Enabled: Adaptive Release
Success is 80% (160 points of 200 points)

Internet/Intrant Firewalls and E-Commerce Security

Enabled: Adaptive Release
Completion of the following tasks are required after completing Network Concepts and Network Security Basics:

1. Complete all 10 virtual labs under Firewalls and VPNs VLE labs Competency Assignment at a level of 80% or higher
2. Complete all 3 activities within the Firewalls and VPNs Analytical Competency Assignment at a level of 80% or higher
3. Earn at least 80% on the Firewalls and VPNs Competency Assessment #1
4. Earn at least 80% on the Firewalls and VPNs Competency Assessment #2

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