CYBERROOKIE

CyberRookie Project - Learning Cyber Skills By Building A HomeLab

Trevor Shi

Week 3 Lesson - Firewall

Overview

1. Firewall

2. Online Free Courses

3. LAB Practice

4. Hardening

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Firewall

1. What is a Firewall

   https://www.cisco.com/c/en_ca/products/security/firewalls/what-is-a-firewall.html

2. What is the NGFW

   https://www.cisco.com/c/en/us/products/security/firewalls/what-is-a-next-generation-firewall.html

Online Free Courses

1. PAN9 Cyber Security Essentials Self Paced Course
    NDG is offering assistance to Palo Alto Networks Cybersecurity Academy
    members by sponsoring 90 days of free access to course.
    https://www.netdevgroup.com/online/courses/cybersecurity/pan9-cybersecurity-essentials
    #This course comes with Online LAB, highly recommend to complete it.

2. FORTINET NSE Institute
    https://training.fortinet.com/course/index.php/Certification:NSE_4/

LAB Practice

#1 PfSense

1. Download/Deploy Pfsense on EXSi
   https://docs.netgate.com/pfsense/en/latest/recipes/virtualize-esxi.html

2. Create the basic Firewall Policy/Rule
   https://docs.netgate.com/pfsense/en/latest/firewall/rule-methodology.html

   References:
   Set Up the Network Firewall
   https://docs.securedrop.org/en/stable/network_firewall.html

Hardening

CIS_Check_Point_Firewall_Benchmark_v1.1.0 PDF.pdf

CIS_Cisco_Firewall_Benchmark_v4.1.0.pdf

CIS_Palo_Alto_Firewall_9_Benchmark_v1.0.0.pdf

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Homework Requirements

1. Understand Firewall

2. Complete PAN9 Cyber Security Essentials Self Paced Course

3. Complete Lab Practice

4. Check out the Hardening Documentations

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Q&A

Look forward to your feedbacks and suggestions.
Contact: CyberRookieProject@gmail.com

Thank You