



Department of
Bachelor of Computer Applications

Information Security & Mobile Applications – Section <A>

Network Security
Activity #01

Skill Enhancement LinkedIn Course Completion
[Part-I: Firewall Administration Essential Training]

Subject Code: 20BCAIS4C02
Class: IInd Year IInd Semester

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Evaluation Criteria

Sr. No.	Criteria / Parameters	Total Marks	Marks Obtained
1	On-time submission Certification	05	
2	Certification of Completion	05	
3	Report (with Assessment Screenshots test attempted)	05	
4	Conclusion [Minimum one page without any kind of plagiarism]	10	
	TOTAL	25	
	CONVERT	10	



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Introduction to the Course

Security is the greatest need in the digital world right now, and it shows no sign of slowing down. And when it comes to protecting a private network, a firewall is the most fundamental security technology out there. This course, covers the fundamentals of firewall functionality, configuration, and administration in short, easy-to-understand segments designed to put this complex network security technology into the reach of novice to intermediate firewall administrators. He goes over basic and advanced firewall configuration tasks, shares practical case studies, and offers troubleshooting tips. Upon wrapping up this course, we'll be ready to get our own firewall up and running on your network.

Learning objectives

- Designing your network
- Creating firewall schedules and rules
- Setting up a virtual IP
- Using aliases to group hosts
- Preventing local traffic from exiting to the internet
- Using Snort and other intrusion detection systems
- Prioritizing VoIP traffic
- Blocking access to specific websites
- Troubleshooting gaming performance issues
- Interpreting TCP flag definitions

Screenshots

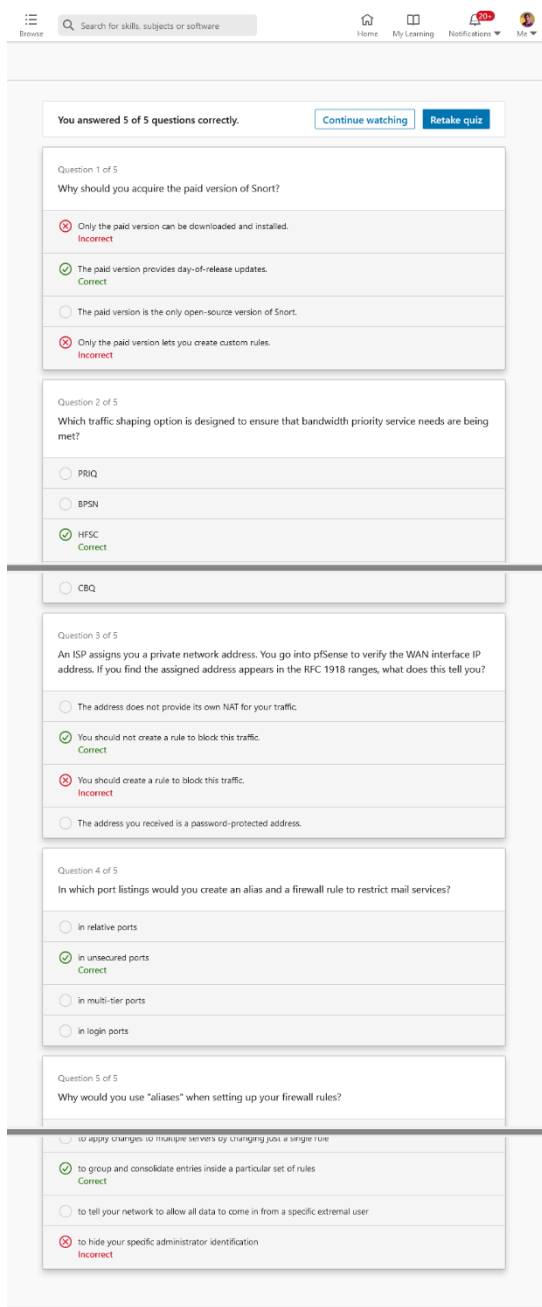


Figure: Section 01 – Creating a Vulnerability Management Program

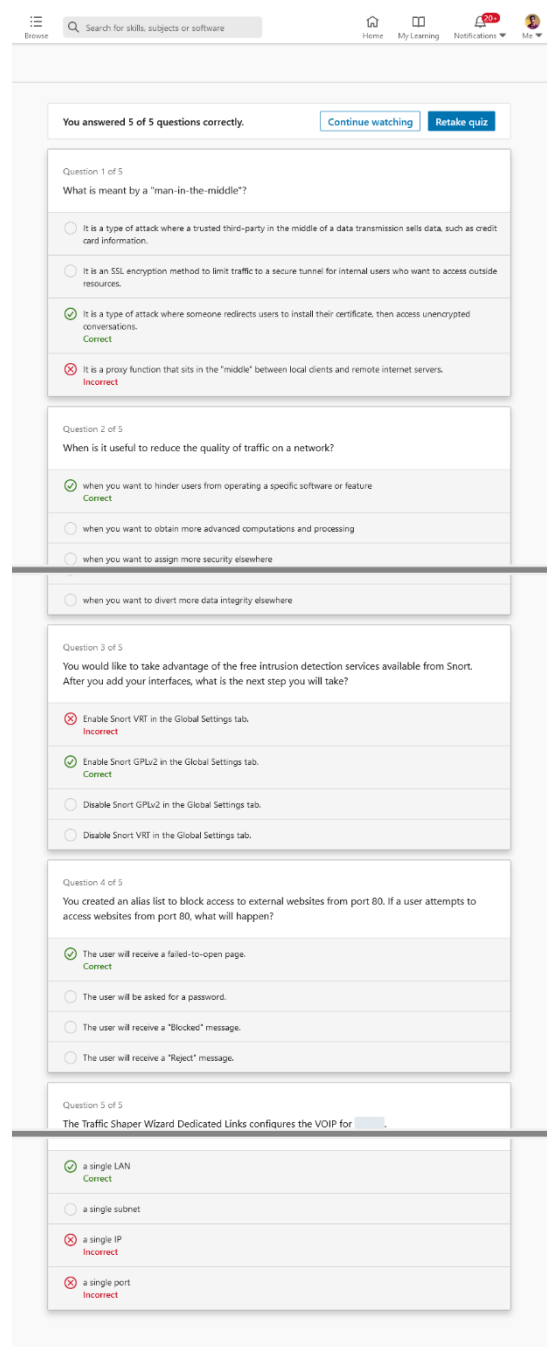


Figure: Section 02- Configuring & Executing Vulnerability Scans

Conclusion

In this course, we took a look at setting up Firewalls, why do we need, its types, design, how to plan and document the design. He taught how to configure firewalls, protocols, rules etc. He explains how to efficiently group hosts, use aliases, use of Snort, traffic shaping. We saw intrusion protection basics, understood proxies and SSL and also learnt about troubleshooting of different kinds.

Certificate

