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Lab Progress Report Due Date: 03/22/2021

Current Week Since Start Date: Week 9 (03/23/2021– 03/30/2021)

Reporting Week: From Mar 16, 2021 to Mar 22, 2021

Summary about the TestOut Module-9 Learning:

From the TestOut LabSim, I learnt about the Virtualization, Cloud Security, and Securing Mobile Devices. Continuing the coursework, I studied about the different physical network in the virtual network. The most important responsibility of the physical networking devices in forwarding the packets, and providing an intelligent abstraction making it easy to deploy and control the network services and service layer infrastructure.

There exists mainly three layers inside the Software Defined Networking (SDN's) namely Application Layer, Control Layer, Physical Layer. The application layer communicates with the control layer using the northbound interface while control layer then passes that information to the physical layer along with its configurations and instructions. The physical layer then communicates in response back to the control layer using the southbound interface. Learning about the various advantages and disadvantages comes in while you are using the SDN gives you an overall insight about the use or not-to-use scenarios.

Continuing the topic on the Cloud Computing Platform with the definition of Cloud and Cloud Computing and the various types of cloud computing platforms and when and when to choose on specifically from Public, Private, Community and Hybrid Cloud with the real-time example scenarios in the Quiz were interesting to apply all the knowledge learnt above in practical. Discussing about the various Cloud Computing Models like IaaS, PaaS, SaaS, SECaaS was new learning to me from this module.

And how to overcome the security risks in the Cloud Platform which is openly available for the highly suspicious threat attacks. Started the new module with the Cloud Storage and how it can easily replace out the offline and hardware devices at the users-end with the virtual one-click cloud service storage on-demand mechanism which comes with both advantages and disadvantages.

Security in the Cloud with the various new term explore like Cloud Access Security Broker, Virtual Networks, Segmentation, Security Group, Virtual Private Cloud Endpoint, Container, Cloud-based firewall and many more. Cloud Security Concepts in detail discussion on the High Availability across zones, Integration, Encryption, Instance awareness, VPC endpoint, Cloud Security Infrastructure, Cloud auditing, API inspection and integration.

At last, the ending discussion on the Mobile Devices and the various mechanism and tools available. Various Mobile App Security Issues like App Control, Authentication and Credential Management, App whitelisting, Geo-tagging. Offering of the Network Virtualization from the different vendors like VMware, Microsoft, Citrix.

Progress Embedded Image of Progress Report from LabSim:

Score Sheet: TestOut Security Pro: Jain, Hemant

Product: TestOut Security Pro 7.0.17

Resources to Show: ☒ Exams ☐ Labs ☒ Lessons ☒ Videos

Date Range: Start: End:

Show scores as points: ☐

Resource	Time In Resource	Newest Score	Highest Score	Lowest Score	Average Score	Points Possible	Attempts
8.3.2 Wireless Securit...	12 seconds					1	1
8.3.3 Wireless Authen...	10 minutes 19 seconds					1	1
8.3.4 Wireless Authen...	12 seconds					1	1
8.3.5 Hardening a Wir...	12 minutes 1 second					1	1
8.3.8 Configuring a C...	6 minutes 20 seconds					1	1
8.3.10 Section Quiz	1 minute 8 seconds	100% (3/14/2021 12:4...	100% (3/14/2021 12:4...	100% (3/14/2021 12:4...	100%	10	1
9.1.1 Host Virtualizati...	41 minutes 33 seconds					1	2
9.1.2 Load Balancing ...	26 minutes 5 seconds					1	1
9.1.3 Virtualization Fa...	38 seconds					1	1
9.1.4 Creating Virtual ...	6 minutes 41 seconds					1	1
9.1.5 Managing Virtua...	6 minutes 11 seconds					1	1
9.1.7 Adding Virtual N...	3 minutes 48 seconds					1	1
9.1.8 Section Quiz	2 minutes 5 seconds	100% (3/22/2021 5:01...	100% (3/22/2021 5:01...	100% (3/22/2021 5:01...	100%	10	1
9.2.1 Virtual Network...	10 minutes 27 seconds					1	1
9.2.2 Virtual Network ...	4 minutes 14 seconds					1	1
9.2.3 Configuring Virt...	23 minutes 10 seconds					1	1
9.2.4 Virtualization Im...	29 seconds					1	2
9.2.5 Virtual Network...	18 seconds					1	1
9.2.7 Section Quiz	10 minutes 3 seconds	90% (3/22/2021 3:34 ...	90% (3/22/2021 3:34 ...	90% (3/22/2021 3:34 ...	90%	10	1

Score Sheet: TestOut Security Pro: Jain, Hemant							
Product		Resources to Show		Date Range		Show scores as points	
TestOut Security Pro 7.0.17		<input checked="" type="checkbox"/> Exams <input type="checkbox"/> Labs <input checked="" type="checkbox"/> Lessons <input checked="" type="checkbox"/> Videos		Start <input type="text"/> <input type="calendar"/> End <input type="text"/> <input type="calendar"/>			
Resource	Time In Resource	Newest Score	Highest Score	Lowest Score	Average Score	Points Possible	Attempts
9.2.2 Virtual network...	10 seconds					1	1
9.2.7 Section Quiz	10 minutes 3 seconds	90% (3/22/2021 3:34 ...	90% (3/22/2021 3:34 ...	90% (3/22/2021 3:34 ...	90%	10	1
9.3.1 Software-Define...	3 minutes 36 seconds					1	1
9.3.2 SDN Infrastuct...	2 minutes 40 seconds					1	1
9.3.3 SDN Facts	16 seconds					1	1
9.3.4 Section Quiz	9 minutes 32 seconds	80% (3/22/2021 3:44 ...	80% (3/22/2021 3:44 ...	80% (3/22/2021 3:44 ...	80%	10	1
9.4.1 Cloud Services I...	18 minutes 55 seconds					1	2
9.4.2 Enhancing Clou...	10 minutes 26 seconds					1	1
9.4.3 Cloud Computin...	8 minutes 20 seconds					1	1
9.4.4 Cloud Computin...	11 seconds					1	1
9.4.5 Cloud Storage ...	10 seconds					1	1
9.4.6 Section Quiz	5 minutes 59 seconds	80% (3/22/2021 3:50 ...	80% (3/22/2021 3:50 ...	80% (3/22/2021 3:50 ...	80%	10	1
9.5.1 Cloud Security ...	5 minutes 25 seconds					1	1
9.5.2 Cloud Security ...	14 minutes 44 seconds					1	1
9.5.3 Cloud Security ...	12 seconds					1	1
9.5.4 Cloud Security ...	26 minutes 43 seconds					1	1
9.5.5 Cloud Security ...	30 seconds					1	1
9.5.6 Section Quiz	11 minutes	90% (3/22/2021 4:02 ...	90% (3/22/2021 4:02 ...	90% (3/22/2021 4:02 ...	90%	10	1
9.6.1 Mobile Device C...	4 minutes 15 seconds					1	1

Score Sheet: TestOut Security Pro: Jain, Hemant							
Product		Resources to Show		Date Range		Show scores as points	
TestOut Security Pro 7.0.17		<input checked="" type="checkbox"/> Exams <input type="checkbox"/> Labs <input checked="" type="checkbox"/> Lessons <input checked="" type="checkbox"/> Videos		Start <input type="text"/> <input type="calendar"/> End <input type="text"/> <input type="calendar"/>			
Resource	Time In Resource	Newest Score	Highest Score	Lowest Score	Average Score	Points Possible	Attempts
9.6.2 Mobile Device C...	12 seconds					1	1
9.6.3 Enforcing Mobil...	20 minutes 10 seconds					1	1
9.6.4 Enforcing Mobil...	11 seconds					1	1
9.6.5 Enforcing Secur...	5 minutes 47 seconds					1	1
9.6.6 Sideload an App	11 minutes 20 seconds					1	1
9.6.7 Section Quiz	1 minute 32 seconds	100% (3/22/2021 6:03...	100% (3/22/2021 6:03...	100% (3/22/2021 6:03...	100%	10	1
9.7.1 Mobile Device ...	7 minutes 4 seconds					1	1
9.7.2 Mobile Device ...	11 seconds					1	1
9.7.3 Enroll Devices a...	11 minutes 20 seconds					1	1
9.7.4 Enrolling non-W...	2 minutes 38 seconds					1	1
9.7.5 Mobile Applicati...	10 minutes 28 seconds					1	1
9.7.6 Mobile Applicati...	13 seconds					1	1
9.7.7 Section Quiz	1 minute 12 seconds	100% (3/22/2021 5:03...	100% (3/22/2021 5:03...	100% (3/22/2021 5:03...	100%	10	1
9.8.1 BYOD Security I...	11 minutes 23 seconds					1	1
9.8.2 BYOD Security ...	12 seconds					1	1
9.8.3 Securing Mobile...	7 minutes 24 seconds					1	1
9.8.5 Creating a Gues...	9 minutes 10 seconds					1	1
9.8.7 Section Quiz	2 minutes 35 seconds	100% (3/22/2021 6:13...	100% (3/22/2021 6:13...	100% (3/22/2021 6:13...	100%	10	1
9.9.1 Embedded and ...	9 minutes 6 seconds					1	1

Score Sheet: TestOut Security Pro; Jain, Hemant							
Product		Resources to Show		Date Range		Show scores as points	
TestOut Security Pro 7.0.17		<input checked="" type="checkbox"/> Exams	<input type="checkbox"/> Labs	Start		<input type="checkbox"/>	
		<input checked="" type="checkbox"/> Lessons	<input checked="" type="checkbox"/> Videos	End			
Resource	Time In Resource	Newest Score	Highest Score	Lowest Score	Average Score	Points Possible	Attempts
9.7.7 Section Quiz	1 minute 12 seconds	100% (3/22/2021 5:03...	100% (3/22/2021 5:03...	100% (3/22/2021 5:03...	100%	10	1
9.8.1 BYOD Security I...	11 minutes 23 seconds					1	1
9.8.2 BYOD Security ...	12 seconds					1	1
9.8.3 Securing Mobile...	7 minutes 24 seconds					1	1
9.8.5 Creating a Gues...	9 minutes 10 seconds					1	1
9.8.7 Section Quiz	2 minutes 35 seconds	100% (3/22/2021 6:13...	100% (3/22/2021 6:13...	100% (3/22/2021 6:13...	100%	10	1
9.9.1 Embedded and ...	9 minutes 6 seconds					1	1
9.9.2 Smart Home	7 minutes 53 seconds					1	1
9.9.3 Constraints and ...	6 minutes 3 seconds					1	1
9.9.4 Communication ...	9 minutes 34 seconds					1	1
9.9.5 Embedded and ...	50 seconds					1	2
9.9.6 Section Quiz	1 minute 35 seconds	100% (3/22/2021 5:05...	100% (3/22/2021 5:05...	100% (3/22/2021 5:05...	100%	10	1
10.1.1 Secure Protocols						1	0
10.1.2 Secure Protoc...						1	0
10.1.3 Secure Protoc...						1	0
10.1.4 Adding SSL to ...						1	0
10.1.6 IPsec						1	0
10.1.7 IPsec Facts						1	0
10.1.8 Requiring IPse...						1	0