



University of Colorado
Colorado Springs

CS4950/5950

Homeland Security & Cybersecurity

PCI Security Standard

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Homeland Security &
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Lesson 27 Exercise 2

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1
Esc

1



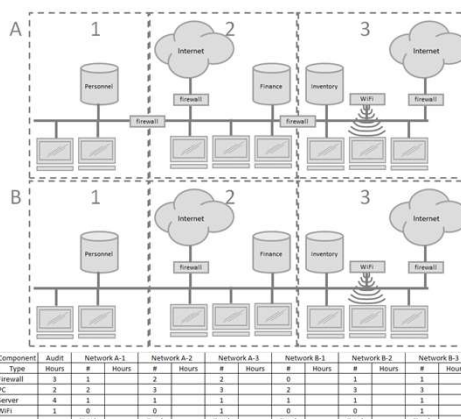
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Problem 3

Given the current
configuration, and knowing
how long it will take to audit
different components, how long
will it take you to audit
Network B?

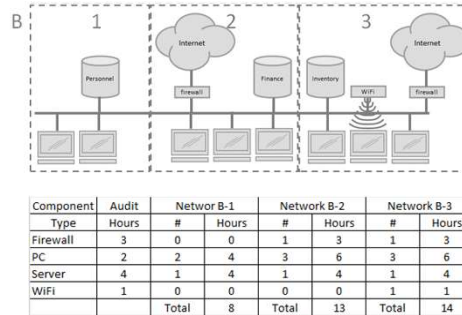


2
Esc

2

Answer

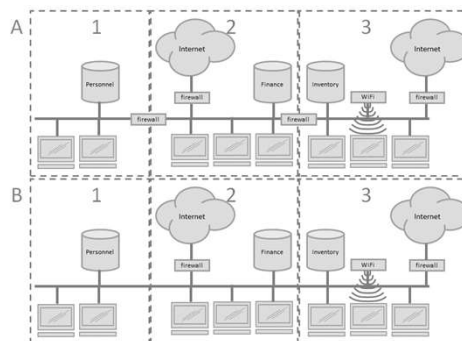
- # hours = hours (segment 1) +
hours (segment 2) +
hours (segment 3)
- hours (segment x) =
hours (firewall) * # firewalls +
hours (PC) * # PCs +
hours (server) * # servers +
hours (WiFi) * # WiFi
- # hours = 8 + 13 + 14 = 35


 3
Esc

3

Problem 4

Given the current configuration, and knowing how long it will take to audit different components, how long will it take you to audit Network A?


 4
Esc

4



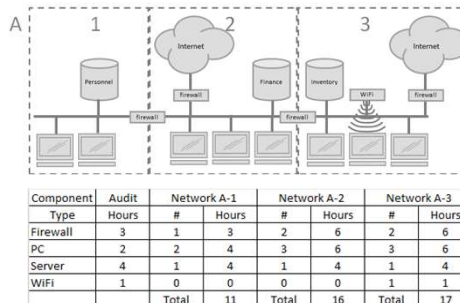
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Answer

- # hours = hours (segment 1) +
hours (segment 2) +
hours (segment 3)
- hours (segment x) =
hours (firewall) * # firewalls +
hours (PC) * # PCs +
hours (server) * # servers +
hours (WiFi) * # WiFi
- # hours = 11 + 16 + 17 = 44
- **WRONG!!!**



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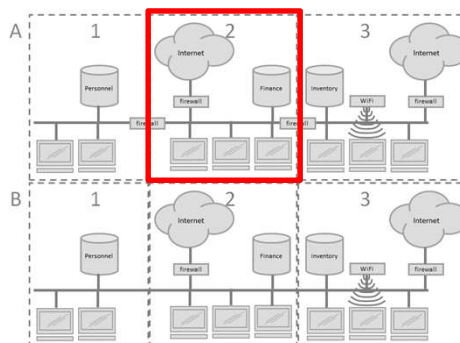
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Remember

Only Segment 2 of Network A needs to be audited because Finance credit card data is isolated to this segment.



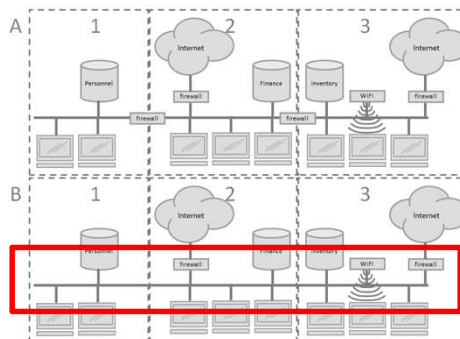
6

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**Remember**

All segments of Network B must be included in the audit **because they share a common network bus that transacts Finance credit card data.**



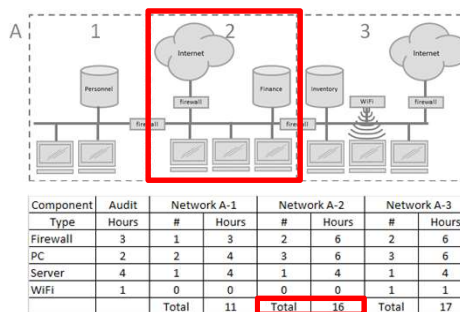
7

Esc

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**Correct Answer**

- # hours = hours (segment 1) + hours (segment 2) + hours (segment 3)
- hours (segment x) = hours (firewall) * # firewalls + hours (PC) * # PCs + hours (server) * # servers + hours (WiFi) * # WiFis
- # hours = 16




Component	Audit	Network A-1		Network A-2		Network A-3	
Type	Hours	#	Hours	#	Hours	#	Hours
Firewall	3	1	3	2	6	2	6
PC	2	2	4	3	6	3	6
Server	4	1	4	1	4	1	4
WiFi	1	0	0	0	0	1	1
		Total	11	Total	16	Total	17

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Conclusion

Questions?



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