



University of Colorado
Colorado Springs

CS4950/5950

Homeland Security & Cybersecurity

PCI Security Standard

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Lesson 27 Exercise 1

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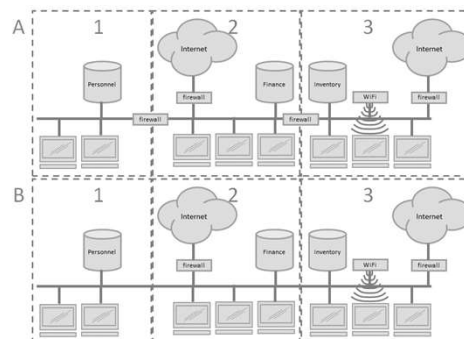
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Situation

- You must audit two networks.
- Network A** is physically divided into three segments supporting inventory, personnel, and finance operations.
- Network B** is conceptually divided into three segments supporting inventory, personnel, and finance operations.
- In both networks, credit card transactions are processed by Finance.**



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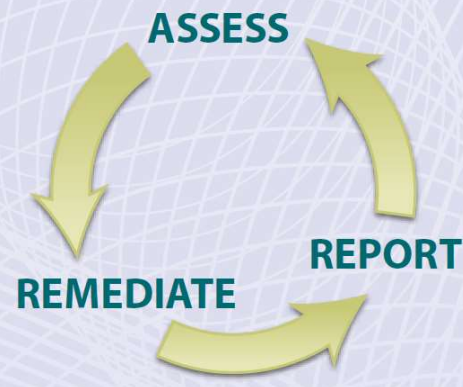
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**Remember****Step 1: Assessment****a) Scope Applicability**

- Anything that transacts or stores credit card data is included in PCI DSS

b) Scope Assessment

- For smaller installations, assess entire suite
- For larger installations, assess a sample suite

c) Conduct assessment using PCI test procedures for each of the 12 DSS requirements

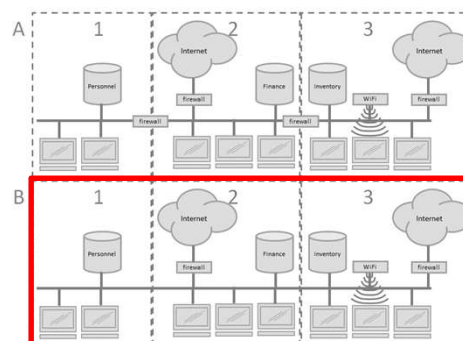
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**Problem 1**

Given the current configuration, which segments of Network B need to be audited?



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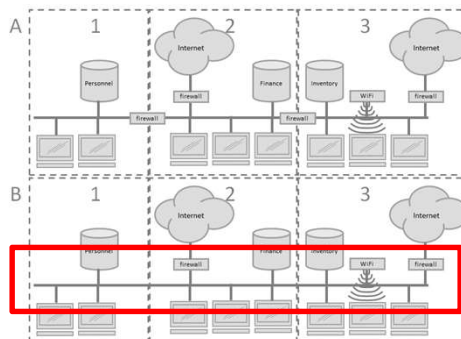
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Answer

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



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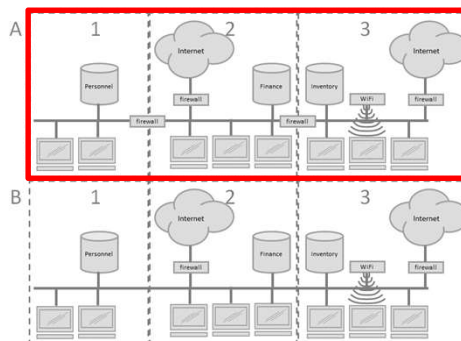
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Problem 2

Given the current configuration, which segments of Network A need to be audited?



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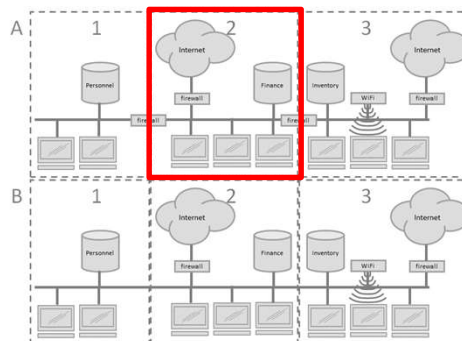
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Answer

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



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Conclusion

Questions?



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