VPN

NIST Standards and other best practices.

NIST 800-53r5 – AC-17 – Remote Access
NIST 800-82r3 – 6.2.10. – Remote Access

The background for this scenario covers using VPN technology for remote access. The lab associated with the scenario has the students remotely access a network both with and without a VPN. While doing so, they observe the security risks that are mitigated by using VPN technology.

NIST 800-53r5 – SC-7 – Boundary Protection
NIST 800-82r3 – 5.2.3.1. – Network Architecture

This lab covers both VPN technology and firewalls. In the lab for this scenario the student observe how implementing a firewall can prevent some security breaches.