

Security Policy Analysis For AcmeCorp

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This report contains an assessment of network security risk factors for AcmeCorp using AthenaVerify, a product offering an innovative and proactive approach to security policy compliance and network risk assessment.

Executive Summary

Network Topology Analysis

Network topology analysis examines the structure and interconnections of the devices and network segments found in the topology diagram AcmeCorp. Information missing from the diagram is identified and this indicates how accurately the topology diagram represents the actual network being modeled.

Summary of topology analysis.

Missing Gateways : 7
Missing network segments : 30
Unused network interfaces : 4
Missing VPN Peers : 0

Topology Analysis

Missing Gateways

Identify gateways that are referred in routing tables but are not found in the topology

Device	Interface(s) Name	Gateway
montreal-pix	[outside]	201.202.12.33
montreal-router	[FastEthernet0]	172.17.0.17
ny-netscr	[ethernet1]	10.30.1.12
		10.30.1.60
sj-pix	[outside]	62.59.14.190
sj-switch	[ip-interface0]	172.16.0.26
	[ipsec0]	192.168.220.9

Missing network segments

Identifies destination networks that are referred in routing table and the networks do not exist in topology

Device	Network segment
md-router	192.168.100.0/24
	192.168.101.0/24
	192.168.222.8/30
montreal-pix	10.0.0.0/8
	192.168.151.0/24
	201.202.12.32/27
montreal-router	192.168.100.0/24
	192.168.101.0/24

Device	Network segment
montreal-router	192.168.150.0/24
	192.168.151.0/24
	192.168.17.0/24
	192.168.220.4/30
	192.168.222.8/30
	192.168.79.80/29
ny-checkpoint	9.9.9.0/24
ny-netscr	192.168.220.0/24
	192.168.220.11
	192.168.220.14
sj-pix	10.0.0.0/8
	62.59.14.160/27
sj-switch	10.0.0.0/8
	192.168.100.0/24
	192.168.101.0/24
	192.168.15.0/24
	192.168.150.0/24
	192.168.151.0/24
	192.168.17.0/24
	192.168.220.4/30
	192.168.220.8/30
	192.168.221.0/24

Unused network interfaces

Identifies Network Interfaces that are not used in the routing table and not connected to any network

Device	Interface(s) Name	Network interface
md-router	Serial0/1	192.168.222.10
montreal-router	Serial0	192.168.220.5
	Serial1	192.168.222.9
ny-netscr	ethernet3	192.168.220.14

Missing VPN Peers

Identifies Missing VPN Peers in the topology

No topology elements found matching the criteria of this topology analysis scenario.

