

Advanced Cisco Network Security: How to Configure Network Infrastructure Security

This Advanced Cisco Network Security: How to Configure Network Infrastructure Security training covers how to design a security plan for your network that protects the entire infrastructure. Network infrastructure security is a large collection of policies, protocols and practices that are designed to keep all elements of a network and its infrastructure safe from unauthorized access and modification.

[CBT Nuggets course material](#) →

WEEK 1

Configure and Verify Cisco Port Security

154 min.

Introducing Port Security	1
Understanding Port Security and Why We Need It	7
Port Security Defaults	4
Implementing Port Security on Layer 2 Interfaces	7
Customizing Port Security	10
Configuring Auto Errdisable Recovery	7
Applying Port Security Skills in Production	6
Review of Configure and Verify Cisco Port Security	2

Configure and Verify Cisco DHCP Snooping

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Why is DHCP Snooping Needed	4
The Recipe for DHCP Snooping	6
Building and Implementing DHCP Snooping in PT	12
Adding Source Guard to a Switch	6
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Configure and Verify Cisco Dynamic ARP Inspection

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The Recipe and Commands for DAI	4
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Applying DAI to the Production Network	11

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PVLAN Design 3

Implement PVLANs 6

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153 min.

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VRF-lite Implementation 6

VRF-lite Adding Routing 8

VRF-lite Routing Verification 6

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Control Plane Hardening 7

Data Plane Hardening 7

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Security Group ACLs 4

TrustSec Policies 7

Configure Network Devices for TrustSec 7

ISE and NAD TrustSec Integration 3

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Implement and Verify Authentication	13

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28 min.