

Router Settings Documentation

Document Version: 1.0

Date: 2024-06-11

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1. Overview

This document provides an outline of the router configuration and settings for the enterprise infrastructure. It covers network topology, interface assignments, routing protocols, VLAN configuration, security, and management access.

2. Device Information

Hostname	core-router-01
Model	Cisco ISR4451-X
Location	Datacenter, Rack 3B
OS Version	IOS XE 17.6.3
Serial Number	FTX1234ABCD

3. Network Topology

- WAN1: 192.0.2.2/30 (ISP1)
- WAN2: 198.51.100.2/30 (ISP2)
- LAN1: 10.10.10.1/24 (Corporate LAN)
- DMZ: 172.16.20.1/24 (Web Servers)

4. Interface Configuration

Interface	Description	IP Address	VLAN
GigabitEthernet0/0/0	WAN1 - ISP1	192.0.2.2/30	-
GigabitEthernet0/0/1	WAN2 - ISP2	198.51.100.2/30	-
GigabitEthernet0/1/0.10	LAN1 - Corporate	10.10.10.1/24	10
GigabitEthernet0/1/0.20	DMZ	172.16.20.1/24	20

5. Routing Protocols

OSPF (Area 0)

- Networks: 10.10.10.0/24, 172.16.20.0/24
- Router ID: 10.10.10.1

BGP (External Peering)

- ASN: 65001

- Peer 1: 192.0.2.1 (ISP1 AS65000)
- Peer 2: 198.51.100.1 (ISP2 AS65100)

6. VLAN Configuration

VLAN ID	Name	Subnet	Description
10	Corporate LAN	10.10.10.0/24	Internal users
20	DMZ	172.16.20.0/24	Servers exposed to public

7. Security Settings

- ACLs applied on WAN and DMZ interfaces
- Firewall enabled
- SSHv2 management access only
- No password login for console
- SNMPv3 with encryption

8. Management Access

- SSH: 10.10.10.1 , port 22
- SNMPv3: Enabled, contact network-team@example.com
- Syslog Server: 10.10.20.5 , port 514
- NetFlow Export: 10.10.20.10

9. Backup & Maintenance

- Configuration backup scheduled daily at 02:00 UTC
- Firmware updates quarterly or as needed
- Monitoring via NMS dashboard