

Configure DHCP on the ENSP access switch



AI Overview

To configure DHCP on an eNSP access switch, enable DHCP in system view, define an IP address pool, assign VLANs, and configure client PCs to obtain IP addresses automatically.

Step 1: Enter System View and Enable DHCP
Access the switch console in eNSP. Enter system view by typing:
`CodeCopy system-view`
Enable DHCP functionality:
`CodeCopy dhcp enable`
This command is required before any DHCP-related configuration, including DHCP relay or server functions, can take effect.

Step 2: Configure VLANs and Interfaces
Create VLANs for your network segments:
`CodeCopy vlan 10`
Assign switch ports to the appropriate VLANs:
`CodeCopy interface range f0/1 - 15`
switchport mode access
switchport access vlan 10
Repeat for other VLANs as needed.

Step 3: Define DHCP Address Pools
You can configure DHCP based on a global pool or interface-specific pool. Global pool example:
`CodeCopy dhcp select global`
ip pool VLAN10 network 192.168.10.0 mask 255.255.255.0 gateway-list 192.168.10.1 excluded-ip-address 192.168.10.1 192.168.10.10
Interface-specific pool example:
`CodeCopy interface Vlanif10`
ip address 192.168.10.1 255.255.255.0 dhcp select interface
This allows connected PCs to automatically receive IP addresses from the defined pool.

Step 4: Configure PCs to Use DHCP
Open each PC's configuration panel in eNSP. Under IPv4 settings, select DHCP. Apply the changes and verify by running:
`CodeCopy ipconfig`
The PC should display an automatically assigned IP address, subnet mask, and default gateway.

Step 5: Optional Security Measures
DHCP Snooping: Enable to prevent rogue DHCP servers:
`CodeCopy dhcp snooping enable`
interface GigabitEthernet0/0/1 dhcp snooping trust
Port Security: Assign unused ports to a separate VLAN or shut them down to prevent unauthorized access.

Step 6: Verification
Check the DHCP bindings on the s...

Article Content

Huawei eNSP Command Cheat Sheet | PDF | Ip

Huawei_eNSP_Commands_List - Free download as Text File (.txt), PDF File (.pdf) or read online for free.

OpenVPN 2.x Community How-To: Complete Setup & Configuration

Learn how to set up and configure OpenVPN 2.x with community how-to guides covering certificates, routing, networking, and advanced features.

Configuring a DHCP Server

This document describes the concepts and configuration procedures of IP Service features on the device, and provides the configuration examples.

WLAN Wireless Controller AC & AP Configuration on Huawei Devices

This video is showing how to configure #WLAN services including switches, access points, and access controllers. the scenario elaborated is simple and easy ...

Configure Campus Fabric IP Clos | Mist | Juniper Networks

Campus Fabric Configuration Best Practices Configure VLANs at switch template level and import them while configuring campus fabric. Template must be the

Huawei DHCP Configuration on eNSP

NetworkShip 23K subscribers 53 7.1K views 6 years ago #Huawei #NetworkEngineer #Configuration

Huawei DHCP relay (relay) configuration tutorial

DHCP relay The experimental topology is The configuration of the Layer 2 switch sw1 is: Router R1 configuration Router R2 configuration R3 router configuration Perform network-wide interoperability te...

Huawei eNSP Command Reference Guide

This document provides summaries of commands for configuring routing, VLANs, link aggregation, and other features on Huawei networking devices. It lists

eNSP Pro Tool Operation Guide | PDF | I Pv6 | Computing

User Guide-eNSP Pro Operation Guide - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

Network Activity: eNSP

Dynamic Host Configuration Protocol (DHCP) is a client/server protocol that automatically provides an Internet Protocol (IP) host with its IP address and other related configuration information such as the

S1720GFR, S2700, S5700, and S6720 V200R011C10 Web-based

To ensure that the switch and PC are reachable, configure an IP address that is on the same network segment as the switch's default IP address for the PC. Log in to the switch through the web system.

6 Steps of DHCP Configuration On Huawei Routers * IPCisco

In this lesson, we will focus on DHCP Configuration on Huawei eNSP. We will see how to configure DHCP on Huawei Routers in 6 steps.

How to Configure DHCP Server on eNSP (DORA)

This video explains DHCP working and configuration. A DHCP Server is a network server that automatically provides and assigns IP addresses, default gateways and other network parameters to client ...

Huawei Router Interface Configuration with eNSP

Huawei Router Interface Configuration Huawei Router Interface Configuration is one of the first configuration that Junior Network Engineers learn

Huawei Router Interface Configuration with eNSP

Huawei Router Interface Configuration is one of the first configuration that Junior Network Engineers learn on Huawei Routers. Here, we will show how

eNSP Huawei Simulator Configure DHCP server experiment

After configuring the above router, open PC1 to configure DHCP, and be sure to click Apply. View experiment results Three, the configuration of the three-layer switch Step 1: Consistent with the

03 Appendix

eNSP Usage Guide eNSP Usage Guide Principles The enterprise network simulation platform (eNSP) can simulate devices such as PCs, hubs, clouds, and

Huawei Wireless Access Controller Configuration Guide (ENSP)

Enable DHCP on AC and configure DHCP for STAs and APs. Create Service SVI on router and configure the interfaces of router. Configure AC system parameters. Select AP

Guide to Dynamic IP Configuration on Ensp Routers

This article details the steps for configuring a router's DHCP service within the eNSP simulator, including accessing the system view, configuring the Ethernet interface, enabling the

DHCP configuration

DHCP configuration, Programmer Sought, the best programmer technical posts sharing site.

429887604 Huawei eNSP Key Commands Guide

Basic commands for huawei VRP labs. huawei ensp important command system view mode: router name: sysname switch to previous mode: router ip routing

Configuring DHCP On Huawei Router || Step-By-Step

This video, Configuring DHCP on Huawei Router, is our first lab demo to show how to configure DHCP on a Huawei Router. The example uses the Huawei AR2220 Router and S5700 Campus Switch on a ...

MS Layer 3 Switching and Routing

To start using layer 3 routing, navigate to the Switching > Configure > Routing & DHCP page. Alternatively, you could go to Switching > Monitor >

Guide to Dynamic IP Configuration on Ensp Routers

Tired of manually configuring IP addresses in your eNSP network simulator? Imagine if your virtual network could automatically assign IP addresses just like real-world networks. This guide

ensp learning vlan / routing DHCP dynamically assign

After the switch configuration is complete, enter the PC configuration to select DHCP, and use the ipconfig command on the PC to successfully obtain the

Huawei eNSP Command Reference Guide

The document is intended to provide a quick reference guide to common Huawei

How to configure DHCP server on Huawei router | DHCP Server

In this lab session, I will guide you through configuring a Huawei router as a DHCP server for two separate LANs. I will also demonstrate the "Router on a Stick" scenario, showcasing VLAN ...

DHCP configuration experiment based on eNSP

Experimental Network diagram: cloud configuration: switch configuration: dhcp enable vlan batch 1 2 interface g0/0/2 port link-type access port default vlan 1 quit interface g0/0/3 port link-type acce...

Contact Us

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