Pocket Guide

Configure as DHCP Server

Product: Sophos XG Firewall
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Overview

This guide describes how to configure Sophos XG Firewall as a Dynamic Host Configuration Protocol (DHCP) server. DHCP servers can be configured to assign IP addresses dynamically or to assign static IP addresses to hosts that connect to the network. Dynamic addresses can be reused while static addresses make it easy to locate the host.

Prerequisites

- You must have read-write permissions on the SF-OS Admin Console for the relevant features.
Configuration

Log in to the SF-OS Admin Console.

Step A: Configure DHCP Server to Lease Dynamic IP address

Step 1: General Settings

- Go to Configure > Network > DHCP. Under Server, click Add.
- Select the Interface from the list.
- Enter the Dynamic IP Lease details to specify the range from which IP addresses are to be assigned to clients. **Note:** You can specify multiple IP ranges for an interface or for the DHCP server.
- Select the Subnet Mask and specify the Domain Name.
- Select the Conflict Detection checkbox to check if an IP address is available for leasing.

Under DNS Server, enter the Primary and Secondary DNS IP addresses.
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Click **Save**.
The policy will be listed in the rule table.

![Server table](image)

**Step 2: Configure the Services Details**

- Go to Configure > System Services > Services.
- Click **Start** against DHCP server, if Status displays Stopped.

![Services table](image)

This configuration enables Sophos XG Firewall to act as the DHCP server and lease an IP address from the address pool 192.168.1.1 – 192.168.1.25 (configured in step 1) to a host.
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Step B: Configure DHCP Server to Lease Static IP address

General Settings

- Go to Configure > Network > DHCP. Under Server, click Add.
- Select the Interface from the list.
- Enter the Static IP MAC Mapping details.
- Select the Subnet Mask and specify the Domain Name.

Under DNS Server, enter the Primary and Secondary DNS IP addresses.

Click Save.

This configuration enables Sophos XG Firewall to act as a DHCP server and assigns 192.168.1.50 to John’s MAC address.
In the policy table, click **View Details** to view the lease details.
Result

You have configured Sophos XG Firewall as a DHCP server that assigns dynamic and static IP addresses.
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