

Extreme Switch - How to configure DHCP Server in EXOS

<https://www.analysisman.com/2020/09/extreme-exos-dhcp-server.html>

Step 1. Create and configure a VLAN with IP address and Ports

```
create vlan vlan_name  
configure vlan vlan_name ipaddress address/mask
```

```
exos-switch# create vlan DHCP_Server
```

```
exos-switch# configure vlan DHCP_Server ipaddress 192.168.100.1/24  
IP interface for VLAN DHCP_Server has been created.
```

```
exos-switch# configure vlan DHCP_Server add ports 1-10  
Port 1 2 3 4 5 6 7 8 9 10 untagged has been auto-moved from VLAN "Default" to "DHCP_Server".
```

Step 2. Enable DHCP client ports with the VLAN

```
enable dhcp ports port_list vlan vlan_name
```

```
exos-switch# enable dhcp ports 1-10 vlan DHCP_Server
```

Step 3. Configure DHCP address range with the VLAN

```
configure vlan vlan_name dhcp-address-range start_addr - end_addr
```

```
exos-switch# configure vlan DHCP_Server dhcp-address-range 192.168.100.10 - 192.168.100.200
```

Step 4. Configure DHCP options with the VLAN

```
configure vlan vlan_name dhcp-options default-gateway gateway_addr  
configure vlan vlan_name dhcp-options dns-server dns_addr
```

```
exos-switch# configure vlan DHCP_Server dhcp-options default-gateway 192.168.100.1  
exos-switch# configure vlan DHCP_Server dhcp-options dns-server primary 1.1.1.1  
exos-switch# configure vlan DHCP_Server dhcp-options dns-server secondary 8.8.8.8
```

Step 5. Check the DHCP configuration

```
exos-switch# show dhcp-server
```

```
VLAN "DHCP_Server":
```

```
DHCP Address Range   : 192.168.100.10->192.168.100.200  
Netlogin Lease Timer : Not configured (Default = 10 seconds)  
DHCP Lease Timer    : Not configured (Default = 7200 seconds)  
Default Gateway     : 192.168.100.1  
Primary DNS Server   : 1.1.1.1  
Secondary DNS Server : 8.8.8.8  
Ports DHCP Enabled  : 1-10
```

Step 6. (Optional) Configure the DHCP lease timer

The DHCP lease timer can be changed as follows. This example shows a change from the default 2 hours to 8 hours.

Step 7. (Optional) Check the DHCP lease

```
exos-switch# show vlan "VLAN_NAME" dhcp-address-allocation
```

Revision #5

Created 24 October 2024 16:21:48 by ColtM

Updated 27 February 2025 20:53:08 by ColtM