

How to Enable the DHCP Service on a Site Device

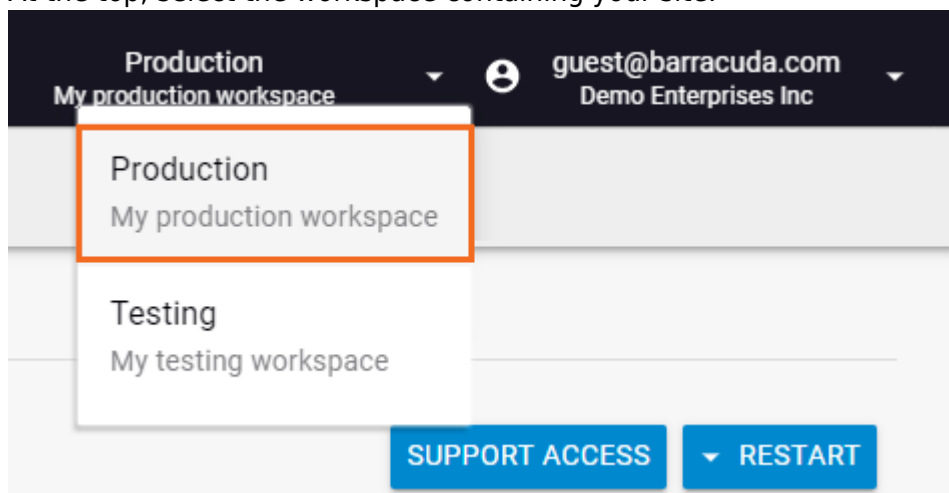
<https://campus.barracuda.com/doc/93198588/>

To use the DHCP service to assign IP addresses and other network configurations to clients, you must enable it on the LAN port of the site device where the clients are connected to.

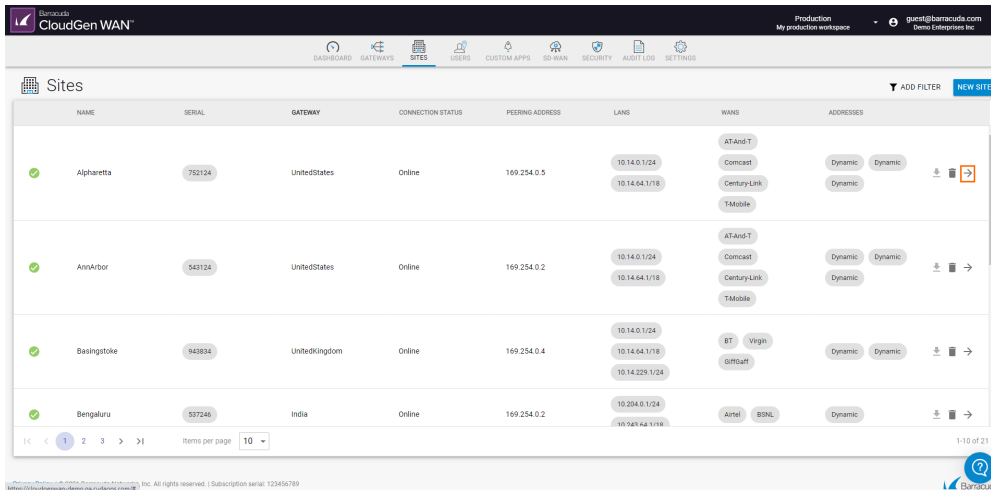
Step 1. (Optional) Configure a LAN Interface of the Site Device

Skip this step if you have already configured a LAN interface during deployment and want to use this interface. For more information, see [How to Create a Site Configuration in Barracuda CloudGen WAN](#).

1. Open <https://cloudgenwan.barracudanetworks.com/> in your web browser and log in with your existing Barracuda Cloud Control account.
2. At the top, select the workspace containing your site.

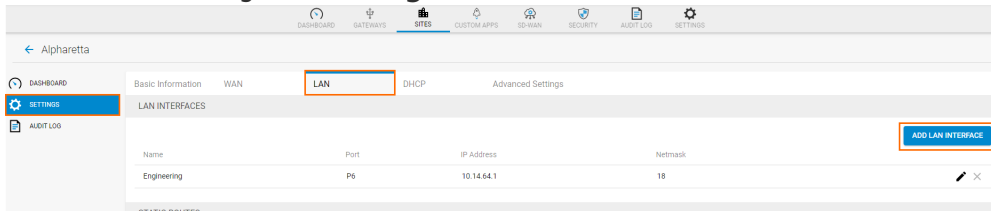


3. Click **SITES**.
4. Select the site where you want to enable the DHCP service. You can either search for the name or serial, or use filters to tailor the list of displayed sites. You can also simply scroll through the list. Click on the arrow icon next to site you want to edit.



NAME	SERIAL	GATEWAY	CONNECTION STATUS	PEERING ADDRESS	LANs	WANs	ADDRESSES
Alpharetta	751124	UnitedStates	Online	169.254.0.5	10.14.0.1/24 10.14.64.1/18	AT&T Comcast CenturyLink T-Mobile	Dynamic Dynamic
Ann Arbor	543124	UnitedStates	Online	169.254.0.2	10.14.0.1/24 10.14.64.1/18	AT&T Comcast CenturyLink T-Mobile	Dynamic Dynamic
Basingstoke	943834	UnitedKingdom	Online	169.254.0.4	10.14.0.1/24 10.14.64.1/18 10.14.229.1/24	BT Virgin O2	Dynamic Dynamic
Bengaluru	597246	India	Online	169.254.0.2	10.204.0.1/24 10.145.64.1/18	Airtel BSNL	Dynamic

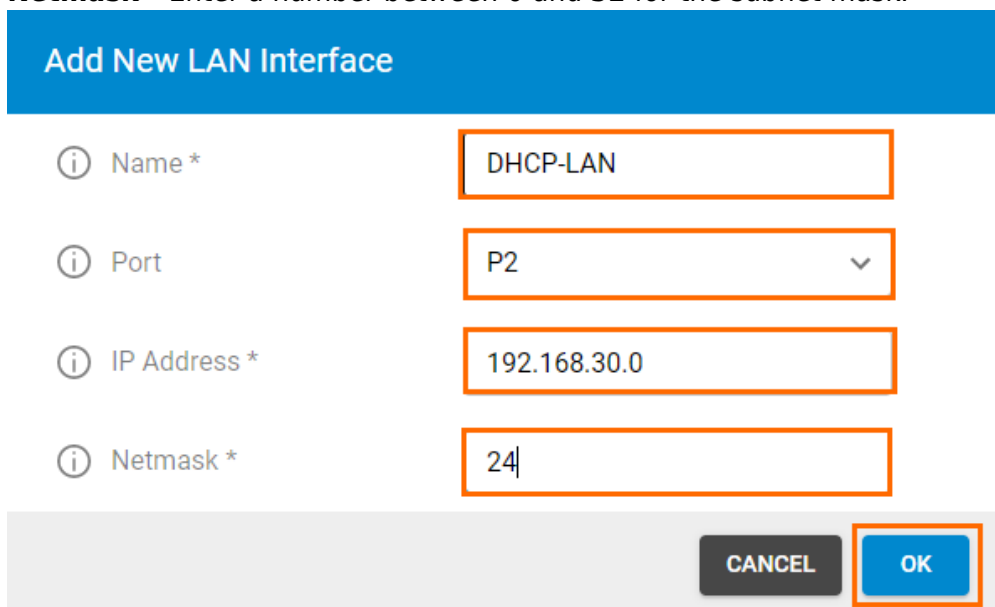
5. In the site menu, go to **Settings > LAN** and click **ADD LAN INTERFACE**.



Name	Port	IP Address	Netmask
Engineering	P6	10.14.64.1	18

6. The **Add New LAN Interface** window opens. Specify values for the following:

- **Name** – Enter a name for your LAN.
- **Port** – Select a port from the drop-down list where the LAN is attached to. Note: Port 1 is reserved for high availability.
- **IP Address** – Enter the IP address.
- **Netmask** – Enter a number between 0 and 32 for the subnet mask.



Add New LAN Interface

Name * DHCP-LAN

Port P2

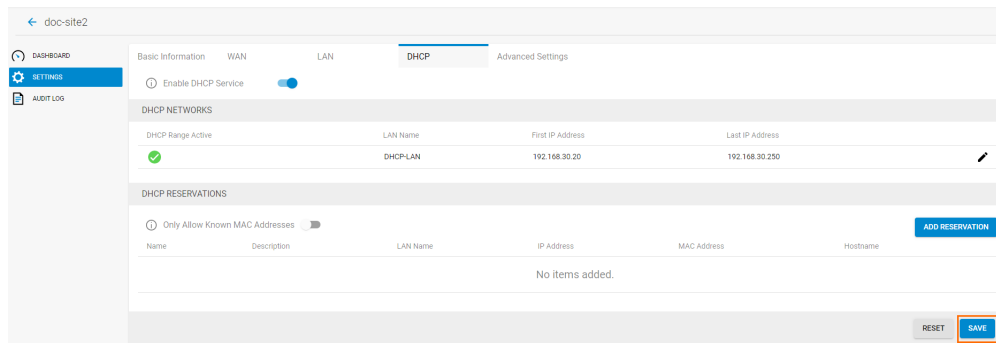
IP Address * 192.168.30.0

Netmask * 24

CANCEL OK

7. Click **OK**.

8. The **LAN** window opens.

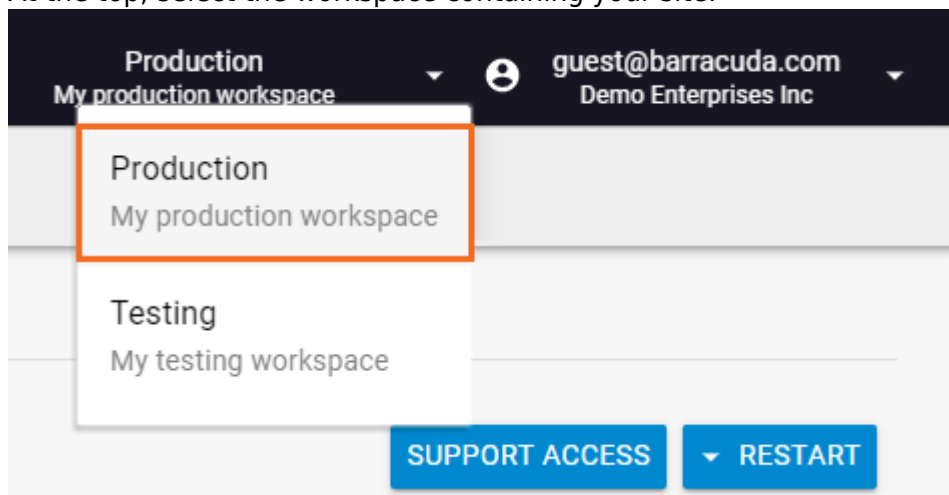


9. Click **SAVE**.

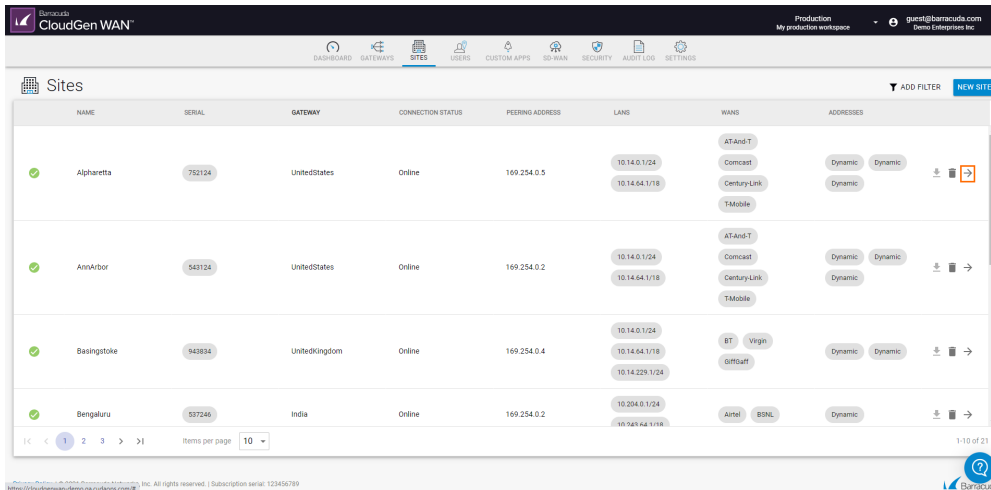
Only IP addresses residing in the network specified above can be assigned to clients.

Step 2. Specify DHCP Settings

1. Open <https://cloudgenwan.barracudanetworks.com/> in your web browser and log in with your existing Barracuda Cloud Control account.
2. At the top, select the workspace containing your site.

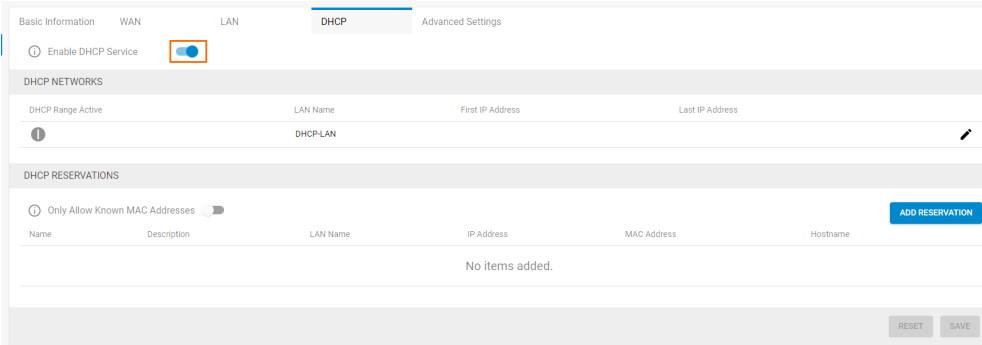


3. Click **SITES**.
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6. In the site menu, go to **SETTINGS > DHCP** and click **Enable DHCP Service**.



Basic Information | WAN | LAN | **DHCP** | Advanced Settings

Enable DHCP Service ☒

DHCP NETWORKS

DHCP Range Active	LAN Name	First IP Address	Last IP Address
<input checked="" type="checkbox"/>	DHCP-LAN		

DHCP RESERVATIONS

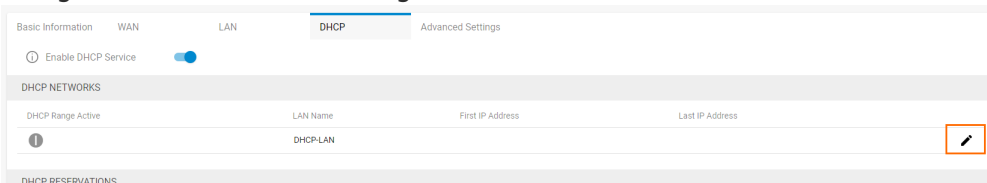
☒ Only Allow Known MAC Addresses

Name	Description	LAN Name	IP Address	MAC Address	Hostname
No items added.					

ADD RESERVATION

RESET SAVE

7. In the **DHCP Networks** section, click on the edit icon next to the LAN port where the clients using DHCP are connected, e.g., DHCP-LAN.



Basic Information | WAN | LAN | **DHCP** | Advanced Settings

Enable DHCP Service ☒

DHCP NETWORKS

DHCP Range Active	LAN Name	First IP Address	Last IP Address
<input checked="" type="checkbox"/>	DHCP-LAN		

DHCP RESERVATIONS

☒ Only Allow Known MAC Addresses

Name	Description	LAN Name	IP Address	MAC Address	Hostname
No items added.					

ADD RESERVATION

RESET SAVE

8. The **Edit DHCP Network** window opens. Specify values for the following:

- **DHCP Range Active** – Set to enabled.
- **LAN Name** – Verify that the correct LAN is selected.
- **Description** (Optional) – Enter a description.
- **First IP Address** – Enter the first IP address available for DHCP assignment.
- **Last IP Address** – Enter the last IP address available for DHCP assignment.
- **Domain Name** (Optional) – Enter the domain name.

Edit DHCP Network

Basic

Advanced

NETWORK

i

DHCP Range Active

☒

i

LAN Name *

DHCP-LAN

i

Description

Campus-DHCP

BASIC

i

First IP Address *

192.168.30.20

i

Last IP Address *

192.168.30.250

i

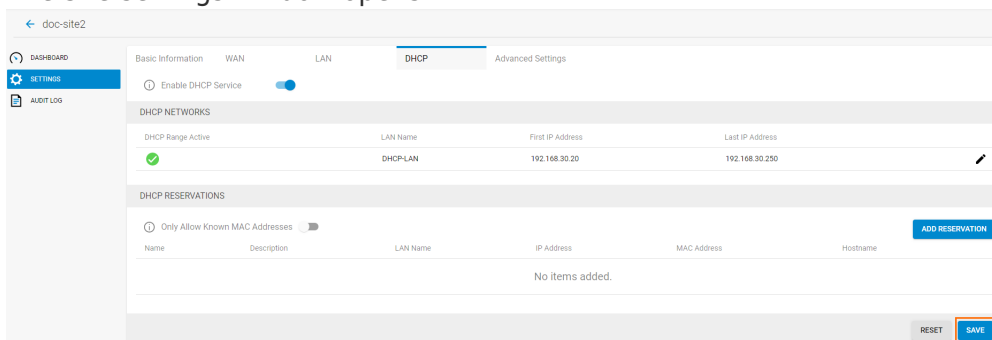
Domain Name

campus

CANCEL

OK

9. Click **OK**.
10. The site settings window opens.



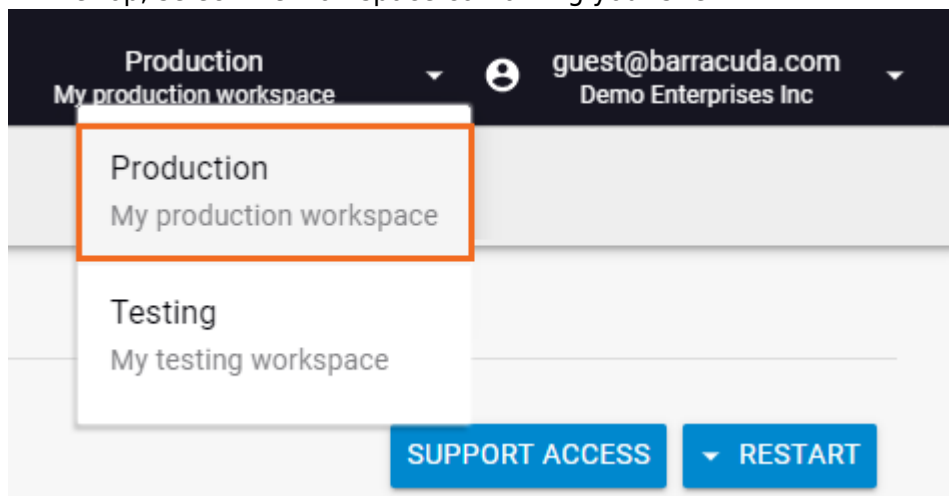
11. Click **SAVE**.

If you do not need advanced DHCP options, your configuration is now complete. For advanced DHCP options, continue with Step 3.

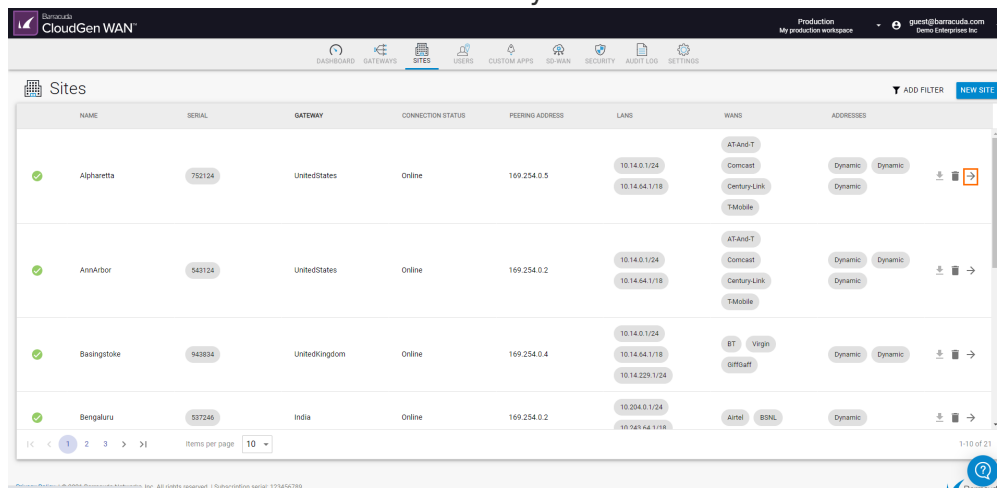
Step 3. (Optional) Specify Advanced DHCP Parameters

In certain cases, you might need to specify advanced DHCP parameters, such as lease time.

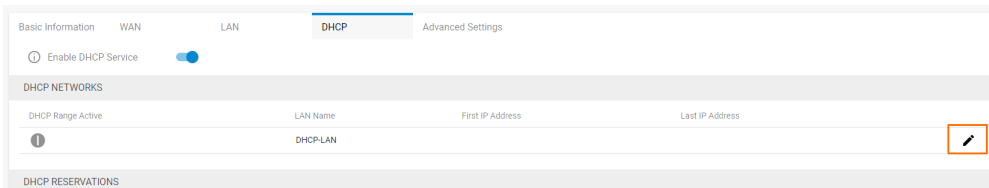
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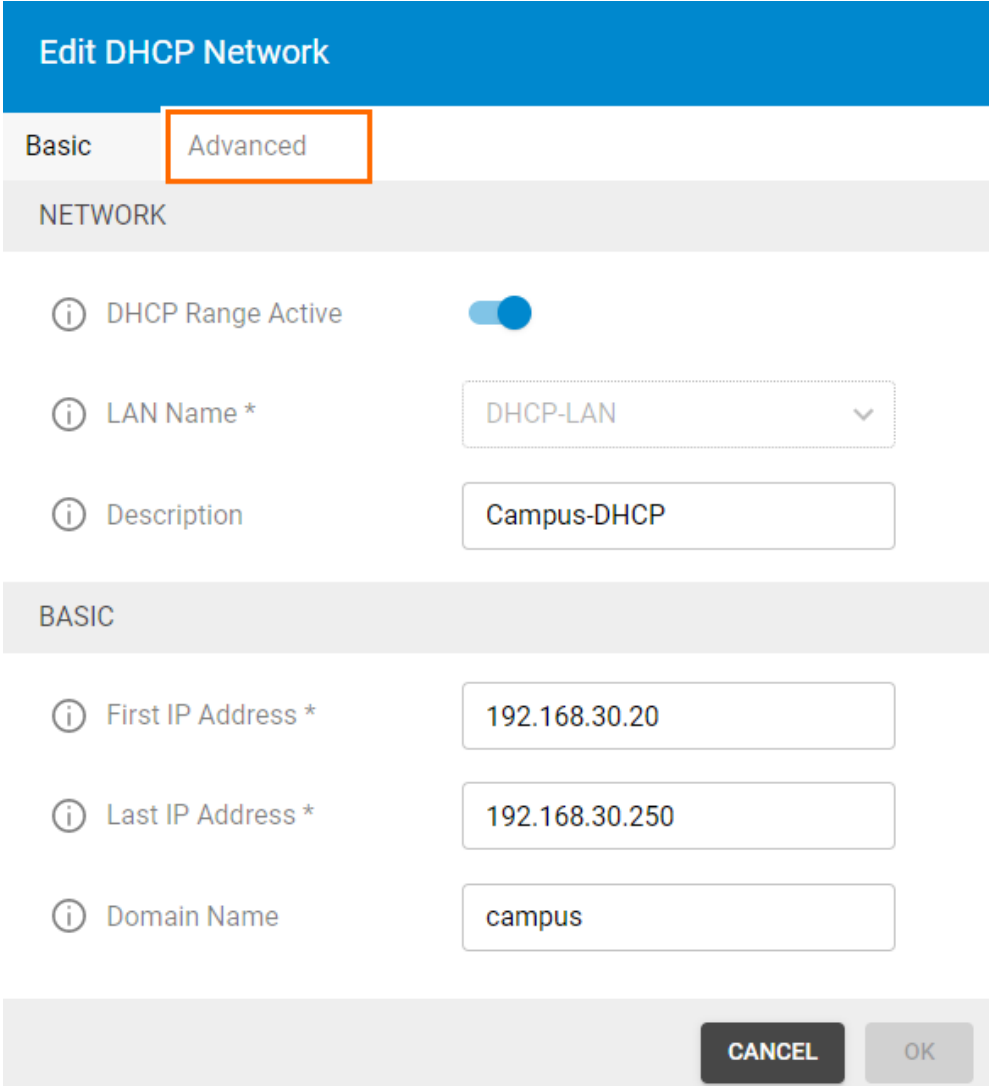


6. In the **DHCP Networks** section, click on the edit icon next to the LAN port you configured in Step 2.



7. The **Edit DHCP Network** window opens.

8. Click **Advanced**.



9. The **Advanced** tab opens. Specify the values you need for your network configuration:

- **DNS Servers** – Enter the IP address of the DNS server and click +.
- **Boot File Name** – Enter the name of an initial boot file that is to be loaded by a client. It should be recognizable to whatever file transfer protocol the client can be expected to use to load the file.
- **Default Lease Time** – Enter the default lease time in seconds.
- **Maxium Lease Time** – Enter the maximum lease time in seconds.
- **WINS Servers** – Enter the IP address of the WINS server and click +.
- **TFTP Host Name** – Enter the host name of the TFTP server.
- **TFTP IP Address** – Enter the IP address of the TFTP server and click +.
- **Vendor Options** – Enter one or more vendor options separated by a ";" (semicolon).

10. Click **OK**.
11. The site settings window opens.

12. Click **SAVE**.

Further Information

- [How to Configure DHCP to Assign IP Addresses Only to Known MAC Addresses](#)
- [How to Create a DHCP Reservation](#)

Figures

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8. dhcp_enable.png
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14. lan_edit.png
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16. advanced_param.png
17. save.png

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