How to Configure Additional DHCP Options

https://campus.barracuda.com/doc/79462805/

Some clients may need specific DHCP options to be set in the DHCP server configuration. To set options that are not directly configurable, you must use **Advanced Pool Configuration** and enter the necessary options as freetext-based configuration. In this example, a server requires the DHCP options 176 and 242 to be set to custom strings.

Before You Begin

- Enable **Use Advanced Pool Configuration** in the advanced DHCP Settings. For more information, see How to Configure Advanced DHCP Settings.
- Configure an **Address Pool** and **DHCP Option Template**. For more information, see How to Configure DHCP Subnets and Address Pools and How to Configure DHCP Option Templates.

Step 1. Define a Variable for Each Additional DHCP Option

1. Go to **CONFIGURATION** > **Configuration Tree > Box > Assigned Services** > **DHCP** > **DHCP Enterprise Configuration**.
2. Click **Lock**.
3. In the left menu, expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the left menu, click **Operational Setup**.
5. For each DHCP option you want to add, click **+** in the **Additional Global Definitions** table and define a variable for the DHCP option in the following format:
   `option VARIABLE_NAME code OPTION_NUMBER=VARIABLE_TYPE` E.g., `option hbcs-avaya-176 code 176 = text`
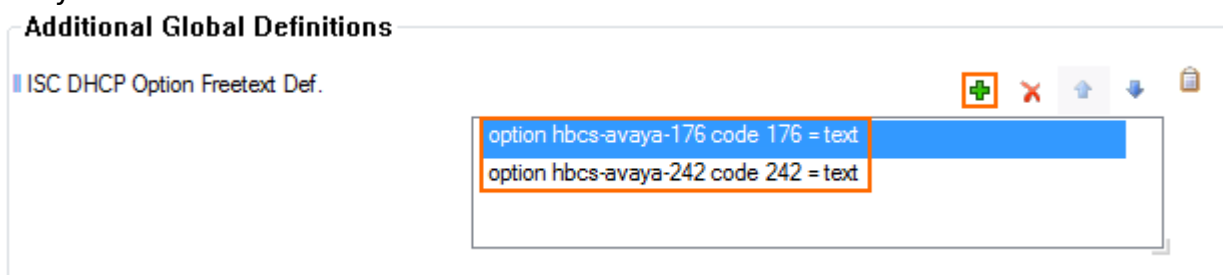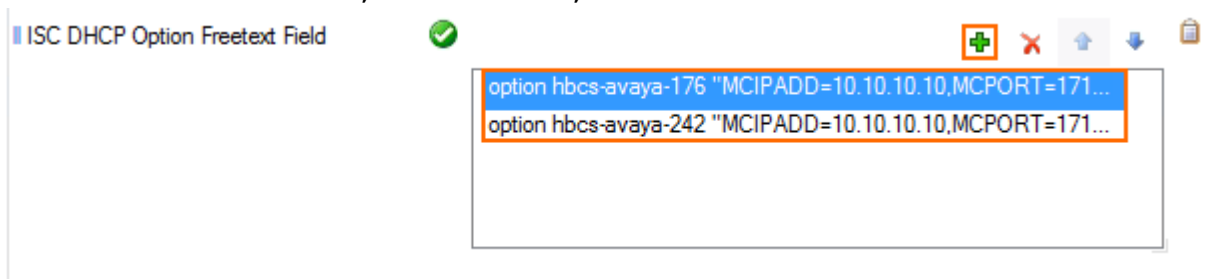

6. Click **Send Changes** and **Activate**.

Step 2. Set Values for Each Additional DHCP Option

The variables set in step 1 can be set to different values for each **DHCP Option Template**.

1. Go to **CONFIGURATION** > **Configuration Tree > Box > Assigned Services** > **DHCP-Service > DHCP Enterprise Configuration**.
2. Click **Lock**.
3. In the left menu, expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the left menu, click **DHCP Option Templates**.
5. Double-click on the **DHCP Options** template used for the address pool. The **DHCP Options** window opens.
6. For each **DHCP Option** you defined in step 1, click **+** in the **ISC DHCP Option Freetext Field** and set the value for each entry in the following format (including the quotation marks):
   `option VARIABLE_NAME-OPTION_NUMBER "ENTER_YOUR_STRING_HERE"`
   E.g., `option hbcs-avaya-176`
   `"MCIPADD=10.10.10.10,MCPORT=1719,TFTPSRVR=10.10.10.10"`

7. Click **Send Changes** and **Activate**.

Figures

1. DHCPoptions01.png
2. DHCPoptions02.png