

How to Configure Additional DHCP Options

<https://campus.barracuda.com/doc/42047975/>

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.

In this article:

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. Open the **DHCP Enterprise Configuration** page (**Config > Full Config > Box > Virtual Servers > your virtual server > DHCP**).
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 hbc
avaya-176 code 176 = text

Additional Global Definitions

ISC DHCP Option Freetext Def.

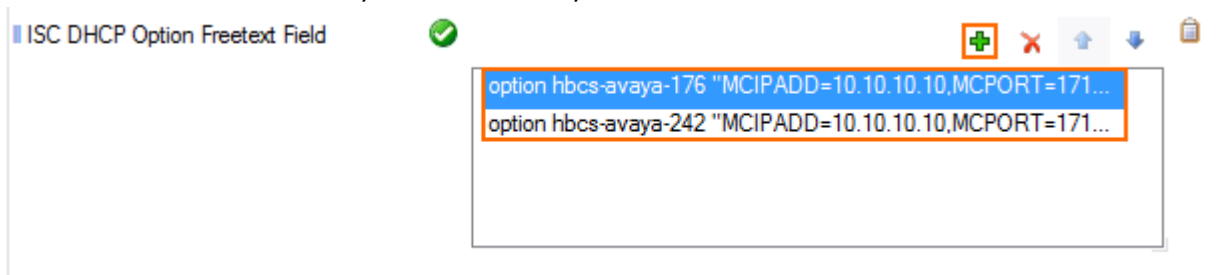
```
option hbc  
avaya-176 code 176 = text  
option hbc  
avaya-242 code 242 = text
```

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. Open the **DHCP Enterprise Configuration** page (**Config > Full Config > Box > Virtual Servers > your virtual server > DHCP**).
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 hbcsv-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

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