How to Configure DHCP IP Address Reservations

https://campus.barracuda.com/doc/79462814/

To reserve the same IP address for known DHCP clients, configure IP address reservations using MAC-to-IP-address mapping. IP address reservations are configurable in the simple and advanced DHCP service setup. DHCP reservations must reside outside of the DHCP range.

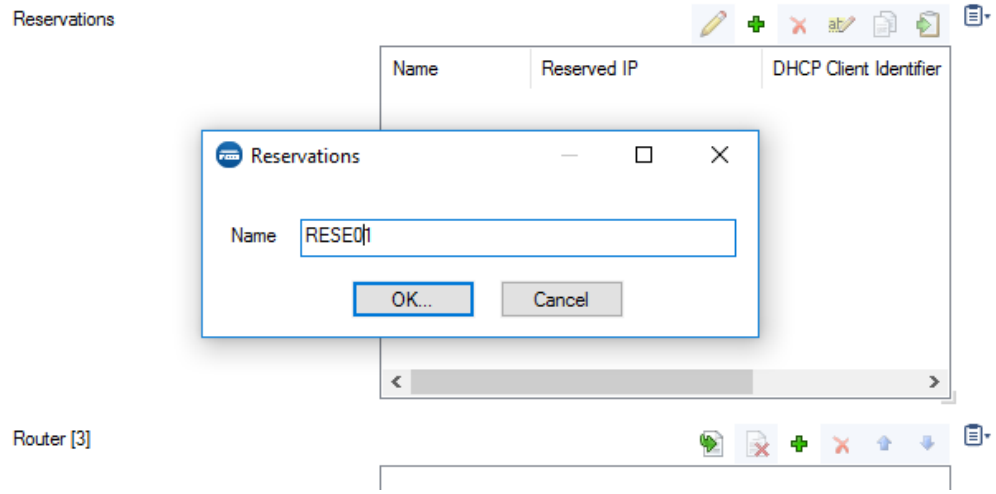
Before You Begin

- Configure the DHCP service. For more information, see How to Configure the DHCP Service.
- (optional) Configure advanced DHCP subnets and address pools. For more information, see Advanced DHCP Settings.
- Identify the IP addresses to be mapped to your client's MAC addresses. The MAC address of a client can be found on the **DHCP** tab in the **Hardware-Address** column:

Name	IP-Address	Start	End	Relay-ID	Hardware-Address	Hardware-Type
IPv6MGMT: Pool	1 of 11 Leases - 9.1% used	10.2.0.10	10.2.0.20			
raspberrypi	10.2.0.10	15.11.2016 07:10:22	15.11.2016 19:10:22		b8:27:eb:04:d7:48	ethernet

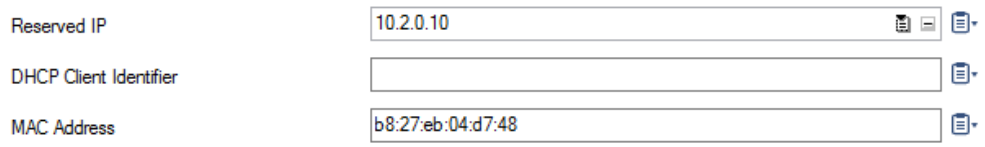
Configure IP Address Reservations for Simple DHCP Setup

1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > DHCP > DHCP Enterprise Configuration**.
2. In the left menu, select **Operational Setup IPv4**.
3. In the left menu, expand the **Configuration Mode** and click **Switch to Advanced View**.
4. Click **Lock**.
5. In the **Subnets** table, open the DHCP subnet configuration. The **Subnet** window opens.
6. In the **Reservations** table, click **+** and add the client.



7. (optional) Specify a **Name** for the IP address reservation and click **OK**.
8. Enter the **Reserved IP** for the client.

9. (optional) Enter the **DHCP Client Identifier** that identifies the host client when requesting an IP address.
10. Enter the **MAC Address** of the client.

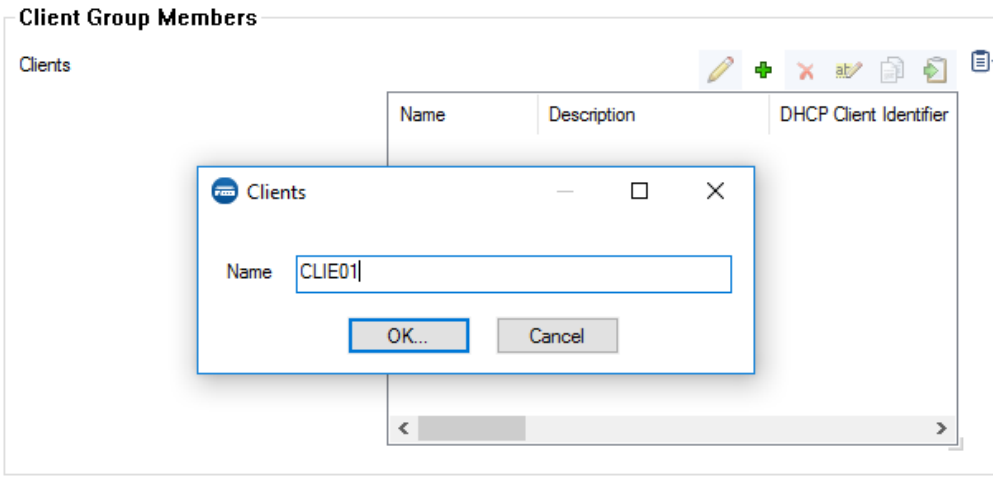


11. Click **OK**.
12. Click **OK**.
13. Click **Send Changes** and **Activate**.

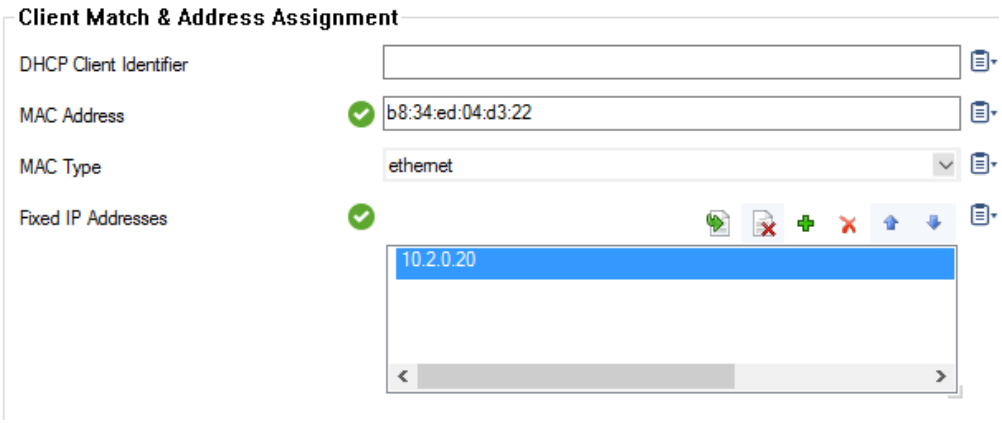
Configure IP Address Reservations for Advanced DHCP Setup

1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > DHCP > DHCP Enterprise Configuration**.
2. In the left menu, expand the **Configuration Mode** section, and click **Switch to Advanced View**.
3. In the left menu, select **Operational Setup IPv4** or **6**.
4. Click **Lock**.
5. Enable **Use Advanced Pool Configuration** and configure DHCP subnets and address pools. For more information, see How to Configure DHCP Subnets and Address Pools.

6. In the left menu, select **Known Clients**.
7. In the **Client Groups** table, edit your client group, or click **+** and add client group members. For more information, see How to Configure Known Clients.
8. In the **Clients** table, click **+** and add the client that should have a fixed IP address assigned.



9. Enter a **Name** for the client and click **OK**. The **Clients** window opens.
10. (optional) Enter the **DHCP Client Identifier** that identifies the host client when requesting an IP address.
11. Enter the **MAC Address** of the client.
12. From the **MAC Type** list, select the type of network card requesting a lease.
13. In the **Fixed IP Addresses** field, enter the static IP address(es) that are assigned to the client.



14. Click **OK**.
15. Click **OK**.
16. Click **Send Changes** and **Activate**.

Figures

1. DHCP_MAC_Add.png
2. ip_res_02.png
3. ip_res_03.png
4. ip_res_04.png
5. ip_res_05.png
6. ip_res_06.png

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