

DHCP Server - Radius

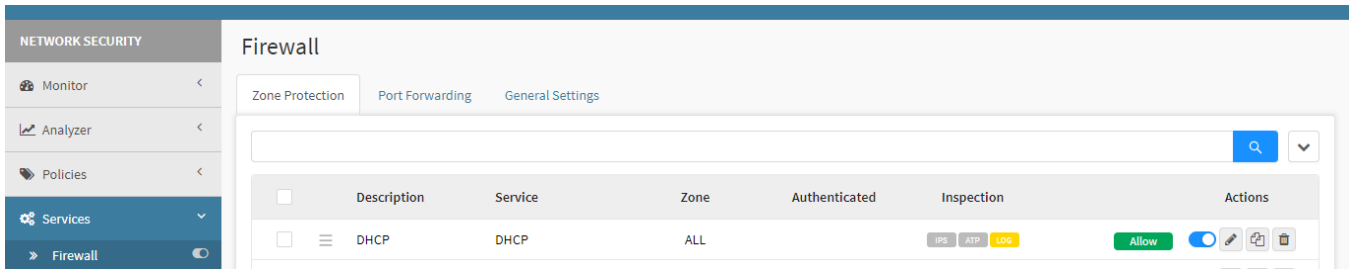
DHCP Authentication through RADIUS Server

In terms of authentication, it is also possible to configure a *RADIUS Server* for the users' validation.

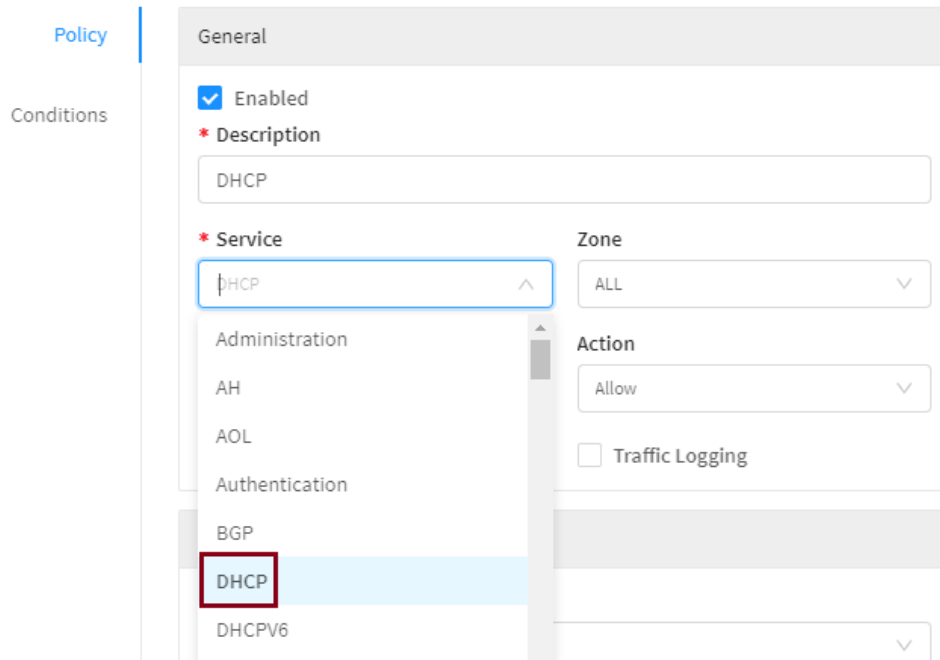
When the *DHCP + Radius* is activated, the Station requests an IP address to the *UTM* in the *DHCP Service*. The *UTM* consults if there is a static entrance available for this Station (through MAC address), in positive case, it provides the reserved address; on the contrary, it does not.

Sumarizing, the *UTM* consults the integrated *Radius Server*, in case the *Radius Server* authorizes, the *UTM* delivers the IP address from the range; otherwise, it does not provide the IP address and the machine does not receive it, and remains without network access.

This option can be enabled in *Services, Firewall*, in the *Zone Protection* tab:



In order to do so, it is necessary to create a policy in *Zone Protection* and select "*DHCP*" among the options:



Authentication Service selection: *Services > Firewall > Zone Protection > Create* [] or *Edit* [] *Zone Protection*.

Next, we should click in the *DHCP* option in *Services* and enable the *Radius Authentication* option:

Radius Server user and password input screen.

The following message will be displayed, just click "OK":

Attention! Changing the DHCP server can lead to IP conflict.

OK



It is important to remember that the user in the Radius server (IP field) is the MAC address:

	Username	Till time	Total time left	Actual profile
<input checked="" type="checkbox"/>	00:E0:4C:11:0F:5E	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	00:90:27:EF:70:F5	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	00:0C:29:2B:38:BB	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	8C:47:BE:15:A5:A7	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	E0:06:E6:D1:3F:31	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	D4:6D:6D:1C:C9:60	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	BA:FE:98:FD:9D:A4	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	74:83:C2:40:80:2C	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	48:89:E7:C5:05:44	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	EC:89:14:D6:00:AD	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	70:66:55:93:A7:A5	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	F0:0F:EC:AB:EF:31	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	5A:5C:32:86:25:CC	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	5C:CD:5B:E0:E4:8A	Unlimited	Unlimited	DHCP
<input type="checkbox"/>	F0:E4:A2:14:56:4A	Unlimited	Unlimited	DHCP

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Example of a Radius Server main screen.

User details [X]

▲ Main

Username: 00:E0:4C:11:0F:5E

Password: []

Disabled:

Owner: admin

▼ Actual profile

▼ Constraints

▼ Wireless

▼ Private information

▼ Statistics

▼ Bill

▼ All profiles

[+] DHCP [v]

Show sessions Save

Example of the user details screen.

Finally, just insert the user and password and the authentication through *Radius Server* will be enabled.

- [Static Address.](#)