

## RADIUS for user Authentication

RADIUS (Remote Authentication Dial-In User Service), Radius uses a shared key to authenticate radius messages to let console and SSH can use the account of the Radius server to log into Edgecore SONiC. Edgecore SONiC password authentication support type of pap, chap, mschapv2. default is pap.

RADIUS setting on Switch

Topology:

mceclip0.png

Note:

If using version 202111.3, please start from step 2 with the following instructions.

Procedure:

Step 1. create an account on Edgecore SONiC. (Since known issue, it must create an account first.)

```
admin@sonic:~$ sudo useradd -m -u 8787 -g admin -s /bin/bash wowla
```

Note: If the account needs to configure settings, that account must be added to the group called "sudo", otherwise that account cannot configure any settings.

```
admin@sonic:~$ sudo useradd -m -u 8787 -G admin,sudo -s /bin/bash wowla
```

Step 2. Set the management IP on the switch ( [Edgecore SONiC] Management and front port IPv4/IPv6 Address)

Step 3. Add the RADIUS Server host to the switch.

```
admin@sonic:~$ sudo config radius add 188.188.87.101
```

Step 4. Set the RADIUS authentication key ("support" as an example)

```
admin@sonic:~$ sudo config radius passkey support
```

Step 5. Uses RADIUS database for user authentication

```
admin@sonic:~$ sudo config aaa authentication login radius
```

Result:

```
admin@sonic:~$ show aaa
```

AAA authentication login radius

AAA authentication failthrough False (default)

AAA authorization login local (default)

AAA accounting login disable (default)

```
admin@sonic:~$ show radius
```

RADIUS global auth\_type pap (default)

RADIUS global retransmit 3 (default)

RADIUS global timeout 5 (default)

RADIUS global passkey support

RADIUS\_SERVER address 188.188.87.101

auth\_port 1812

priority 1

mceclip1.png

Appendix:

RADIUS server configuration: The RADIUS server needs two configurations.

```
root@console:~# cat users
```

```
wowla Cleartext-Password := "wowla"
```

```
root@console:~# cat clients.conf
client 188.188.97.6 {
secret = support
}
```