

Installing Salt on PicOS



NOTE:

- You can see an example of Salt module to manipulate PicOS configuration on our Github repository:

<https://github.com/pica8/Configuration-Managers>

- If the FTP server is connected via the Eth0/1 port, you need to add the string **sudo ip vrf exec mgmt-vrf** before the apt-get command when executing the apt-get operation.

For example:

```
admin@Xorplus:~$ sudo ip vrf exec mgmt-vrf apt-get update
```

If **sudo ip vrf exec mgmt-vrf** is not added, find the next hop routing information from the default VRF. For the usage of VRF, refer to the VRF configuration guide.

Step 1 - Use the correct repository for the specific application and CPU on the switch. Pica8 support can help in the choice of repository.

```
$ sudo more /etc/apt/sources.list | grep -v "#"  
deb http://ftp.debian-ports.org/debian/ unstable main
```

For a typical salt installation, the latest standard debian repo is advised.

Step 2 - Update the debian packages on PicOS

```
admin@XorPlus$ sudo apt-get update  
Hit http://ftp.tw.debian.org stable Release.gpg  
Hit http://ftp.tw.debian.org stable Release  
Hit http://ftp.tw.debian.org stable/main powerpc Packages  
Hit http://ftp.tw.debian.org stable/main Translation-en  
Reading package lists... Done  
admin@XorPlus$
```

Step 3 - Install salt-common and salt-minion and configure it

```
sudo apt-get install salt-common  
sudo apt-get install salt-minion
```

Look at the salt documentation to understand how to connect the salt-minion to a salt-master. A simple installation would need at least minor modification on the minion configuration file.

```
more /etc/salt/minion  
# Set the location of the salt master server, if the master server cannot be  
# resolved, then the minion will fail to start.  
master: salt.example.com
```