Changing PicOS Mode by Modifying the Configuration File

The PicOS configuration is kept in the **picos_start.conf** file located at */etc/picos.*

```
admin@LEAF-A$ls /etc/picos/picos_start.conf
/etc/picos/picos_start.conf
```

User can use the **cat** command at the Linux shell to display the contents of the **picos_start.conf** file.

```
admin@LEAF-A$cat /etc/picos/picos_start.conf
# configuration file for PicaOS
[PICOS]
picos_start=xorpplus
[XORPPLUS]
xorpplus_rtrmgr_verbose=
xorpplus_log_facility=local0
xorpplus_finder_client_address=127.0.0.1
xorpplis_finder_server_address=127.0.0.1
[OVS]
ovs_database_file=/ovs/ovs-vswitchd.conf.db
ovs_inband_database_file=/ovs/inband.conf.db
ovs_db_sock_file=/ovs/var/run/openvswitch/db.sock
ovs_switch_ip_address=192.168.42.120
ovs_switch_ip_netmask=255.255.255.0
ovs_switch_gateway_ip=192.168.42.1
ovs_switch_tcp_port=6640
ovs_host_name=PicOS-OVS
ovs_use_dhcp=false
[ZTP]
ztp_disable=false
otp_disable=true
```

The **picos_start** option in the **[PICOS]** section of the **picos_start.conf** file dictates the PicOS mode (L2/L3 or OVS). The **picos_start** option has two possible values: **xorpplus** and **ovs**.

To change the PicOS mode, user has to open the **picos_start.conf** file in a text editor like **vi** and change the value of **picos_start**. After changing the value and saving the file, user must restart the **picos** service to bring the PicOS mode change into effect.

The following example shows an excerpt from the **picos_start.conf** file. If the value of **picos_start** is **ovs**, PicOS will run in OVS mode after the next **PicOS** restart.

```
picos_start=ovs
```

Once the **picos_start.conf** file has been updated, user needs to restart the **picos** service by using the **/etc/init.d/picos restart** command, or rebooting the switch.

```
admin@LEAF-A$sudo /etc/init.d/picos restart
Stopping: PicOS L2/L3.................
Stopping enhanced syslogd: rsyslogd.
Starting enhanced syslogd: rsyslogd.
Stopping internet superserver: xinetd.
Restarting OpenBSD Secure Shell server: sshd.
Starting: PicOS Open vSwitch/OpenFlow.
Starting web server: lighttpd.
admin@LEAF-A$
```

User is in PicOS OVS mode now.

The following example shows an excerpt from the **picos_start.conf** file. If value of **picos_start** is **xorpplus,** PicOS will run in L2/L3 mode after the next **PicOS** restart.

```
picos_start=xorpplus
```

Once the **picos_start.conf** file has been updated, user needs to restart the **picos** service by using the **/etc/init.d/picos restart** command or by rebooting the switch.

```
admin@LEAF-A$sudo /etc/init.d/picos restart
Stopping web server: lighttpd.
Stopping: PicOS Open vSwitch/OpenFlow.
Starting: PicOS L2/L3.........................
admin@LEAF-A$
```

Once the switch is in L2/L3 mode, user can use the **cli** command at the Linux shell to reach the L2/L3 operation mode.

```
admin@LEAF-A$cli
Synchronizing configuration...OK.
Pica8 PicOS Version 2.6
Welcome to PicOS L2/L3 on LEAF-A
admin@LEAF-A>
```