OpenWRT apps

User manuals and descriptions of some OpenWRT

- Watchcat

Watchcat

Watchcat - Network watchdog utility

> "Watchcat is a ping-watchdog utility that allows you to set up rules for when a ping to a particular host fails."

> The following modes of operation are available
> - Ping Reboot: reboot the OpenWrt device if a ping to a specific host fails
> - Restart Interface: restart a network interface if a ping to a host over that interface fails
> - Periodic Reboot: reboot at a set period of time, such as every 24h.

Introduction

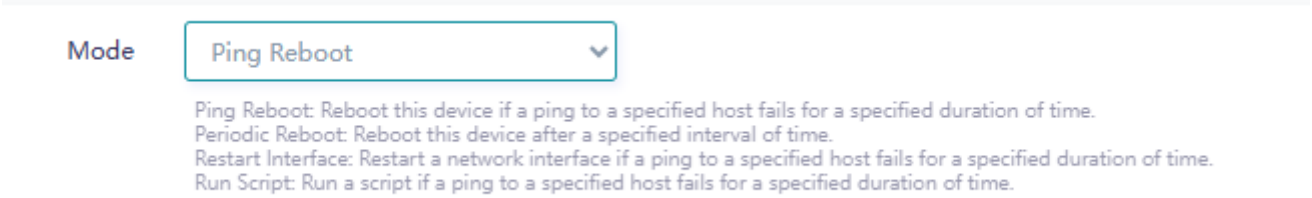
Watchcat is a ping-watchdog utility that allows you to set up rules for when a ping to a particular host fails.

The following modes of operation are available:

- **Ping Reboot** : reboot the OpenWrt device if a ping to a specific host fails.
- **Restart Interface** : restart a network interface if a ping to a host over that interface fails.
- **Periodic Reboot** : reboot at a set period of time, such as every 24h.

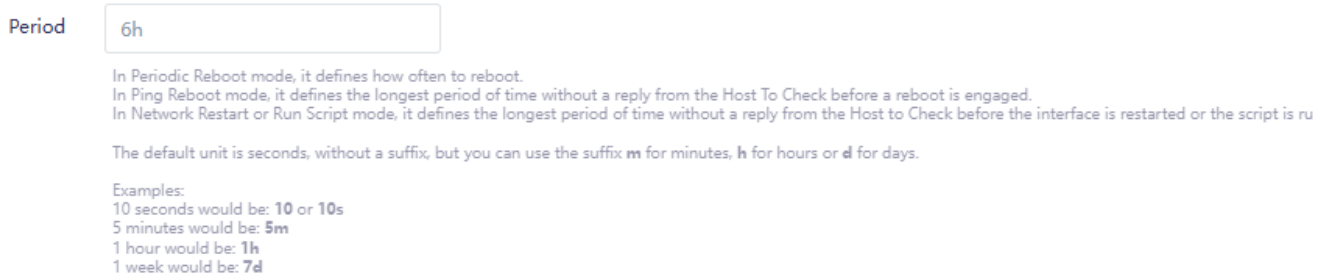
Parameters

1. **mode** - the mode this watchcat instance is in.



   - Ping_reboot
   - Periodic_reboot
   - Restart_interface
   - Run_script

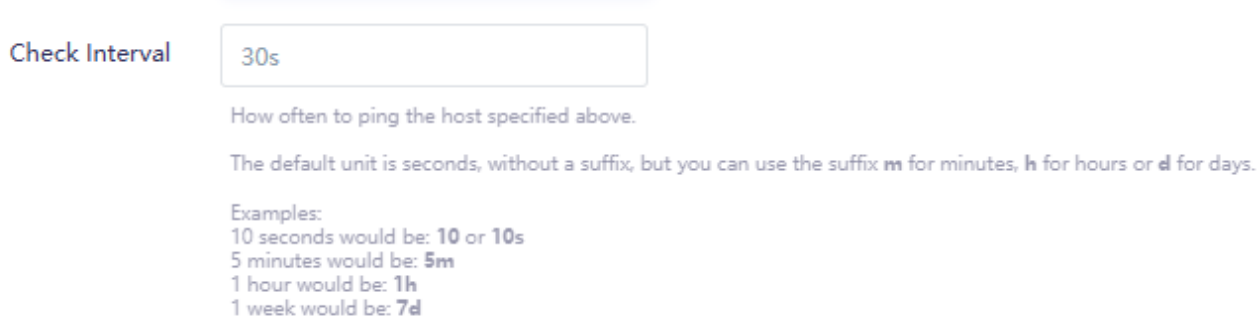
2. **Period** - the way this parameter is used depends on the mode watchcat is in.



- **Periodic Reboot** : the interval of time at which to perform the reboot, such as every 24h
- **Ping Reboot** : the longest interval of time without a successful ping before the rule is activated
- **Restart Interface** : the longest interval of time without a successful ping before the rule is activated
  (restarts only the interface)

3. **Host to check** - In Ping Reboot and Restart Interface modes, IP address or the host name to ping

4. **Check Interval** - The time duration to ping the host



- every 10 seconds would be: `10` or `10s`
- every 5 minutes would be: `5m`
- every 1 hour would be: `1h`
- every week would be: `7d`

5. **Ping Packet Size** - The size of packet to use for pings.

- `small` - 1 byte
- `windows` - 32 bytes
- `standard` - 56 bytes

- `big` - 248 bytes
- `huge` - 1492 bytes
- `jumbo` - 9000 bytes

6. **Force Reboot Delay** - In Ping Reboot and Periodic Reboot modes, the amount of time to try a graceful reboot before a sysreq reboot is activated as a fail safe.

7. **Interface** - The interface to ping via, and also, in Restart Interface mode the one to restart. If unset, it will use the default route's interface