

*How To Guide*

# **XRoads** Networks

Edge Network Appliance How To Guide:

CLI > Configuration Changes

The EdgeXOS incorporates an SSH-based CLI menu (accessible via port 2022). This menu system provides the ability to conduct troubleshooting and modify existing configuration parameters.

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```

### Show Configuration File

This option will print to screen the existing configuration file:

Edge Configuration File

```
#####
#
# Version XOS Version 3.4.3 Build 168
#
# Created on ... .., Serial Number
#
# Warning: Modifying and uploading this file will change the configuration.
#
#####

# Registration - company, contact, email, phone, referece, wan1, wan2, wan3, wan4, wan5
#
# Example: REG,ABC,John Smith,jsmoth@abc.com,555-555-1212,1234,wan1,wan2,wan3,wan4,wan5

REG,AK_KEMUCI,MYXROADS,555-555-1212,1234,wan1,wan2,wan3,wan4,wan5

# System Information - dns1_server, dns2_server, GMS_server, Overflow (1 = on, 0 = off)
#
# Example: SYSTEM,4.2.2.2,4.2.2.2,1544kbit,rac2,myxroads.com,1

SYSTEM,192.168.168.50,68.4.8.229,rac2,myxroads.com,
```

### Edit Configuration File

This option provides the ability to add/delete or edit an existing configuration parameter.

To **add a parameter** simply enter to new rule and/or policy using the same syntax as provided within the shown configuration file.

Example: Firewall Rule

Adding a firewall rule would look like this:

```
FIREWALL,172.16.168.168,80,ANY,ANY,TCP,WAN1,DROP,wan_group
```

This would add a rule which dropped port 80 traffic coming in on WAN1 with a destination of 172.16.168.168.

The components of this line are detailed within the configuration file itself:

```
# Firewall - src addr, src port (or leave blank), dst addr, dst port (range [:] or leave blank), protocol, interface, action, rule group
```

To **edit a parameter** simply enter the line which would replace the existing parameter, make sure the parameter being changed is a standard parameter, i.e. pre-exists in the default configuration file.

Example: Interface parameters are default parameters

```
INT,lan,192,168,100,168,255,255,255,0,192,168,168,254,off,off,off,ACTIVE,,10000,,
INT,wan1,,,,,,,,,255,255,248,0,L,,,,,,,,,off,off,on,ACTIVE,100,10000kbit,10000kbitk,,,,
INT,wan2,,,,,255,255,255,0,,off,off,on,INACTIVE,100,10000kbit,10000kbitk,
```

You can modify these parameters simply by re-entering the line:

```
INT,wan1x.x.x.x,255.255.248.0,y.y.y.y,off,off,on,ACTIVE,100,10000kbit,10000kbitk,z.z.z.z
```

When the configuration file is reloaded these parameters will take effect over the previously entered parameters.

To **delete or remove a parameter** simply enter the line which you wish to remove and but add 'DEL-' to the beginning of the line. This will remove the parameter from the configuration upon the next reload.

Example: Traffic shaping policy

```
TSPOLICY,testing,test,,00,07,207,0,27,,dst
TSPOLICY,testing_reverse,test,,,,,,,,,0,0,0,src
```

```
DEL-TSPOLICY,testing,test,,xx.xx.xx.xx,,dst
```

NOTES: Currently some policies and rules can not be removed using the CLI menu system. These must be removed via the web interface. Additional capabilities are being added to this CLI so check back for future updates.

Full configuration changes can be made by downloading the configuration file, changing the text, and uploading the entire new configuration file. This can be done via the configuration file link on the home page.

Current Saved Configuration File: [xredge\\_config\\_0090FB048C4A](#) (Right Click This Link)

File Upload:

### Reload Configuration File

This option gives the end-user the ability to reload the configuration file once changes have been made. Reloading will immediately change the existing configuration file and it will automatically save the new configuration file.

**WARNING:** Reloading will also automatically update the running configuration in future releases, so be careful...