UNIBOX

An Intelligent Network Controller

Knowledge Base:

Control Module

Publication Date
June 14, 2013

Applicable Products

The administration guide applies to the following products –

- Unibox U-50
- UniBox U-100
- UniBox U-200
- UniBox U-500
- UniBox U-1000

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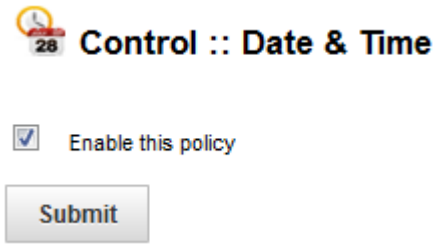
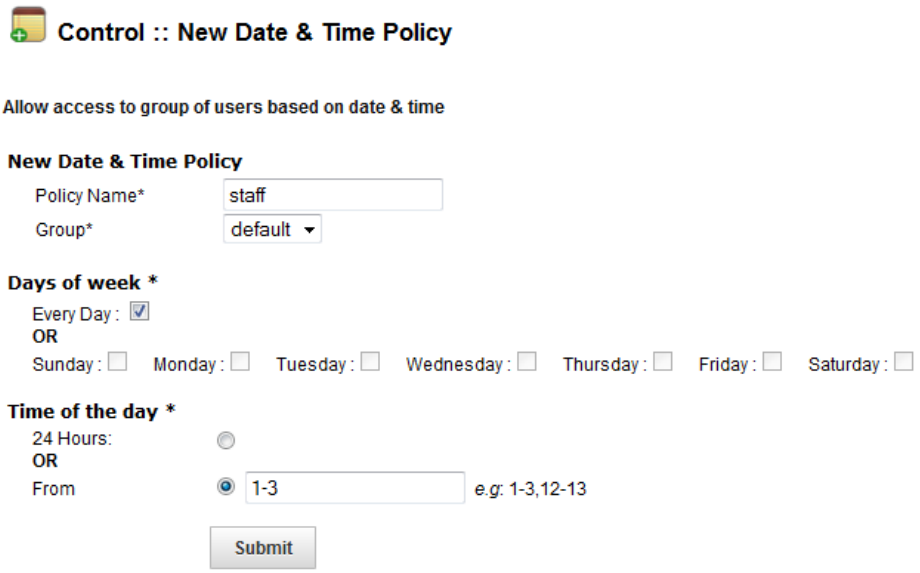
1) How to set Date and time policy in Unibox?
   - ✓ Open unibox dashboard in web browser.
   - ✓ Navigate to policy section under control panel.
   - ✓ Click on Date and time policy option from left pane.
   - ✓ First we need to enable policy, click on enable policy checkbox and click on submit.



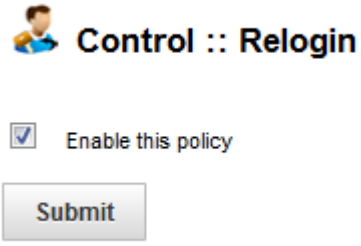
   - ✓ Once the policy is enabled, create new date and time policy by clicking on "New Date and Time policy" option from left pane.



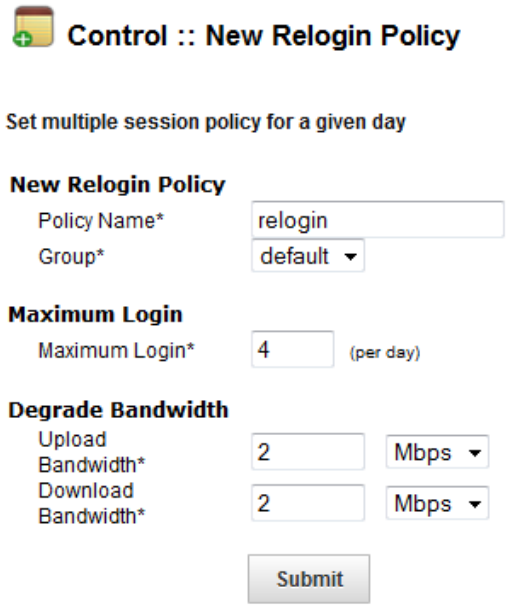
   - ✓ Give name for the policy.
   - ✓ Select group from drop down list on policy will be applied.
   - ✓ Select days of week, can select Everyday or specific days of week.
   - ✓ Mention time of the day, can select as 24 hours or specific time intervals at that time policy will get applied.
   - ✓ Click on submit to save policy configuration settings.

2) How to set Relogin policy in Unibox?
   - ✓ Open unibox dashboard in web browser.
   - ✓ Navigate to policy section under control panel.
   - ✓ Click on relogin option from left pane.

- ✓ First we need to enable policy, click on enable policy checkbox and click on submit.



- ✓ Once the policy is enabled, create new relogin policy by clicking on "Relogin policy" option from left pane.

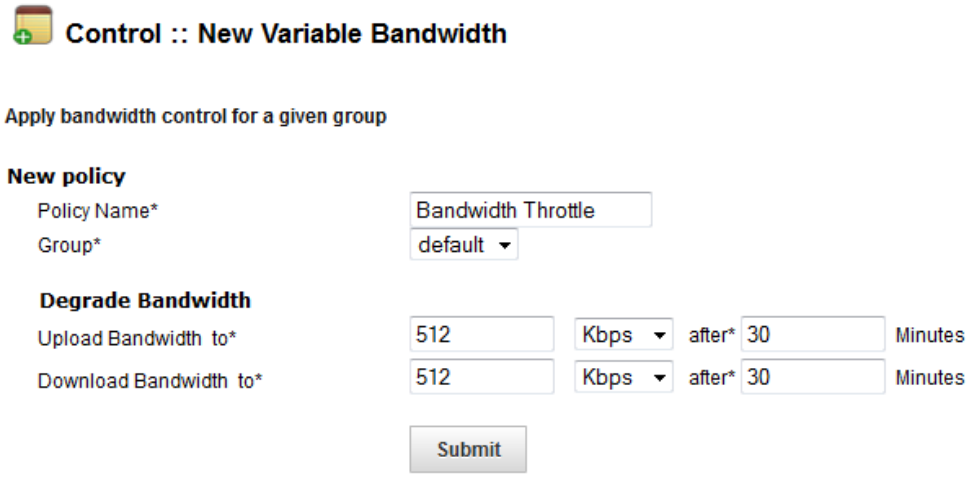


- ✓ Give name for the policy.
- ✓ Select group from drop down list on policy will be applied.
- ✓ Give maximum number limit.
- ✓ Mention degrade bandwidth options such as upload and download bandwidth.
- ✓ Click on submit to save policy configuration settings.

3) How to set Variable Bandwidth policy in Unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to policy section under control panel.
- ✓ Click on variable bandwidth option from left pane.
- ✓ First we need to enable policy, click on enable policy checkbox and click on submit.

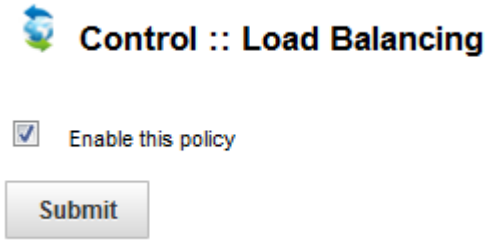
- ✓ Once the policy is enabled, create new variable bandwidth policy by clicking on “New variable bandwidth policy” option from left pane.



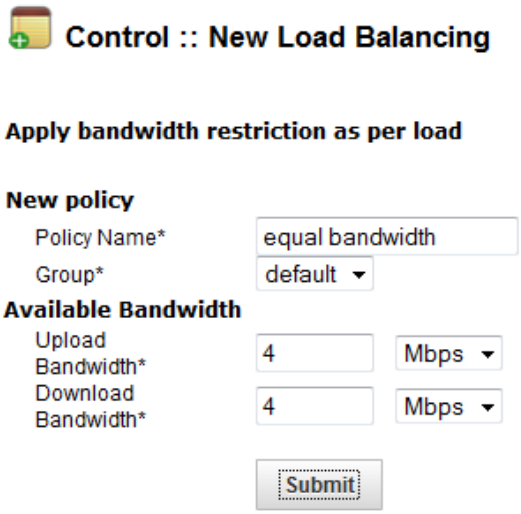
- ✓ Give name for the policy.
- ✓ Select group from drop down list on policy will be applied.
- ✓ Give bandwidth degrade restrictions.
- ✓ Click on submit to save policy configuration settings.

4) How to set Load balancing policy in Unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to policy section under control panel.
- ✓ Click on variable balancing option from left pane.



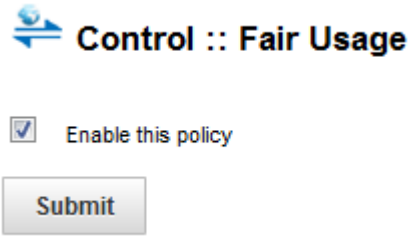
- ✓ First we need to enable policy, click on enable policy checkbox and click on submit.
- ✓ Once the policy is enabled, create new load balancing policy by clicking on “New load balancing policy” option from left pane.



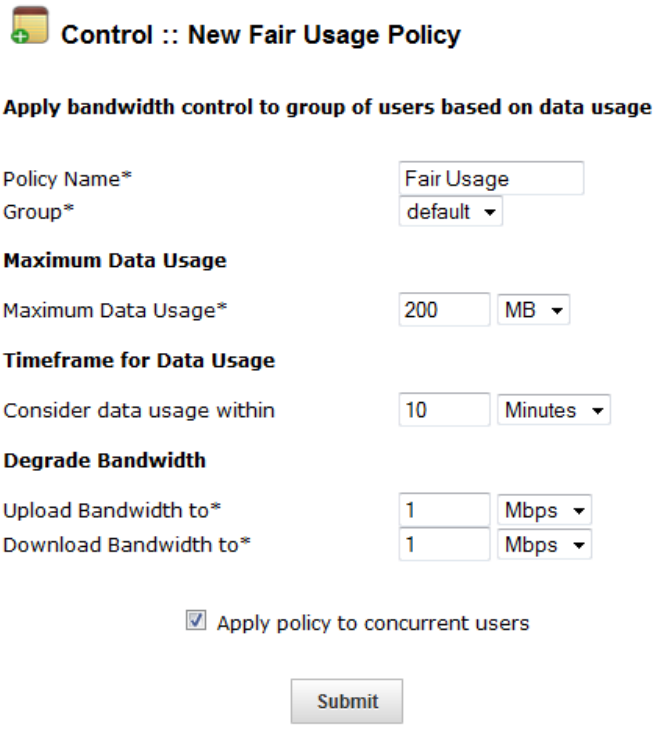
- ✓ Give name for the policy.
- ✓ Select group from drop down list on policy will be applied.
- ✓ Mention available bandwidth for upload and download.
- ✓ Click on submit to save policy configuration settings.

5) How to set fair usage policy in Unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to policy section under control panel.
- ✓ Click on fair usage option from left pane.



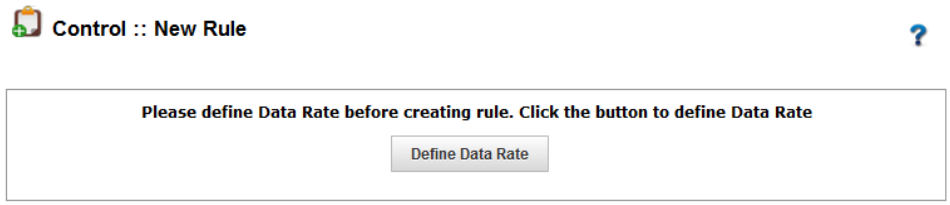
- ✓ First we need to enable policy, click on enable policy checkbox and click on submit.
- ✓ Once the policy is enabled, create new fair usage policy by clicking on “New fair usage policy” option from left pane.



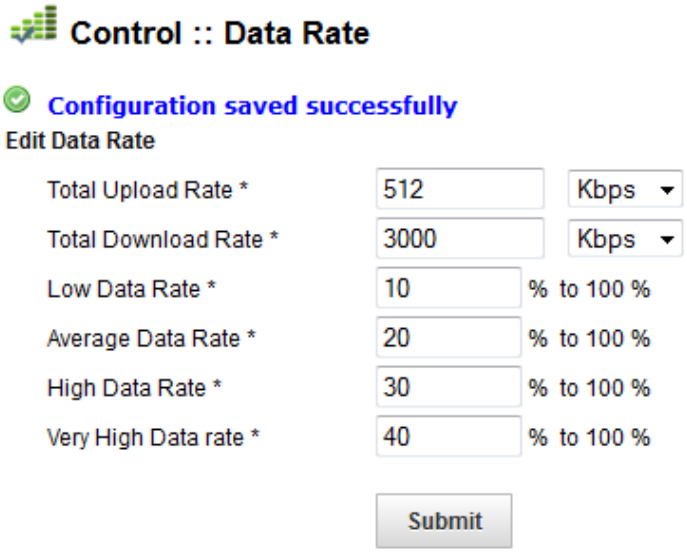
- ✓ Give name for the policy.
- ✓ Select group from drop down list on policy will be applied.
- ✓ Mention maximum data usage. Select data size from drop down list.
- ✓ Mention timeframe for data usage, select data size from drop down list.
- ✓ Mention degrades bandwidth for upload and download.
- ✓ If you want to apply this policy for the concurrent users then tick check box for the same.
- ✓ Click on submit to save policy configuration settings.

6) How to set data rate in bandwidth control?

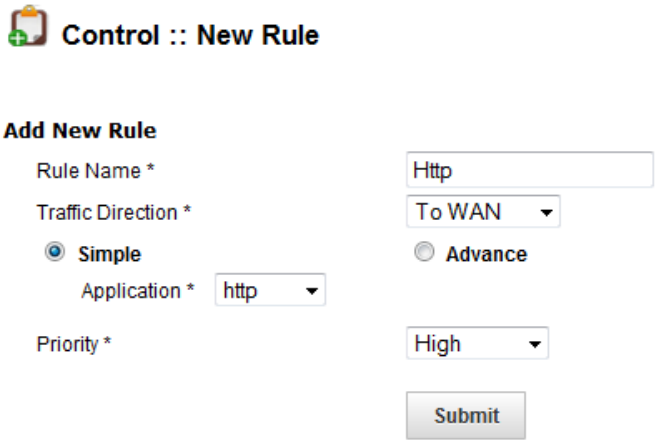
- ✓ Open unibox dashboard in web browser
- ✓ Navigate to bandwidth control section under control TAB.
- ✓ First create new data rule. Click on New rule from left pane.



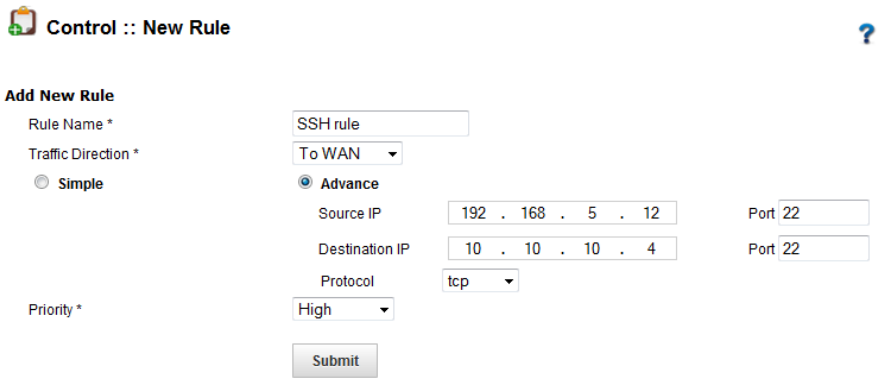
- ✓ Mention total upload rate.



- ✓ Mention Download rate.
- ✓ Mention low, average, high and very high rate in terms of percentage but the sum of all rate should be equal to 100.
- ✓ Click on submit to save data rate.
- ✓ Click on New rule.
- ✓ Give name for the rule.
- ✓ Select traffic direction option from drop down list.
- ✓ There are two types of Rules
    - Simple: It is applied on the selected application from drop down list.



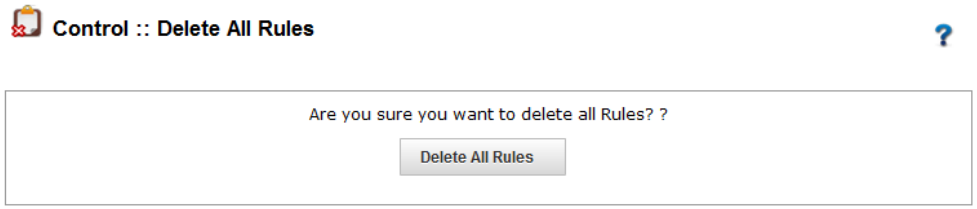
    - Advanced: Here you can mention source and destination IP addresses with port number to control flow of data, Select type of transmission protocol.



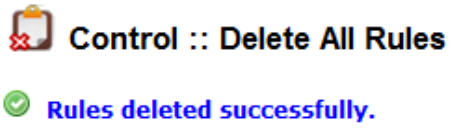
- ✓ Select priority from drop down list.
- ✓ Click on submit to save the configuration changes.

7) How to delete all data rules in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to bandwidth control section under control TAB.



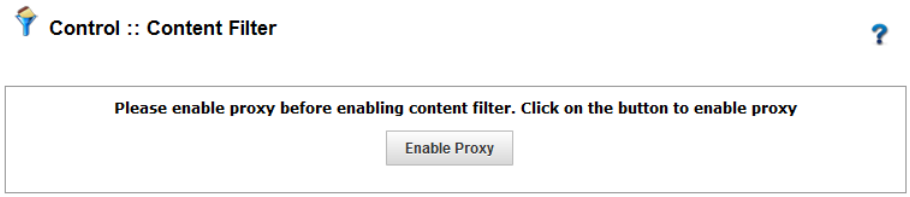
- ✓ Click on delete all data rules from left pane.

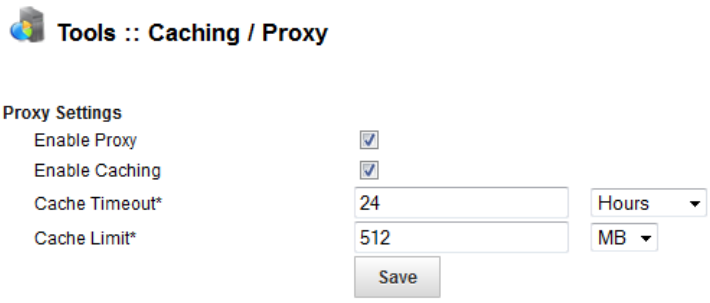


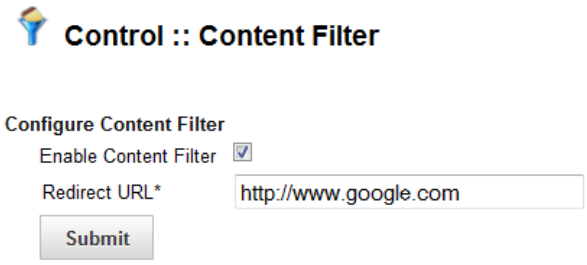
- ✓ All rules will be deleted.

8) How to apply URL blocking or content filter feature in Unibox?

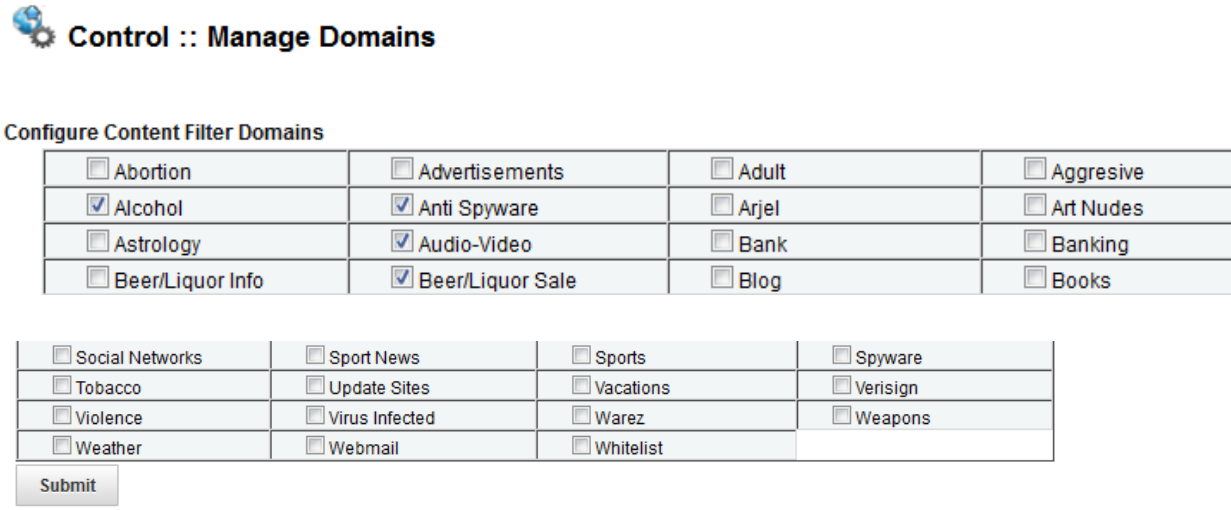
- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to content filter section under control TAB.
- ✓ To enable content filter make sure that you should enable proxy settings.
- ✓ Go in tools, caching proxy and enable proxy.







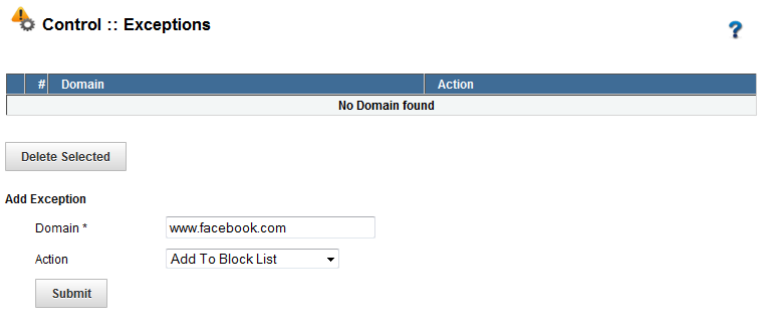
- ✓ Tick check box to enable content filter.
- ✓ Mention redirection URL.
- ✓ Click on submit to enable.
- ✓ Click on manage domain option from left pane to block URL's by selecting categorized groups.



- ✓ Click on submit to save configuration.

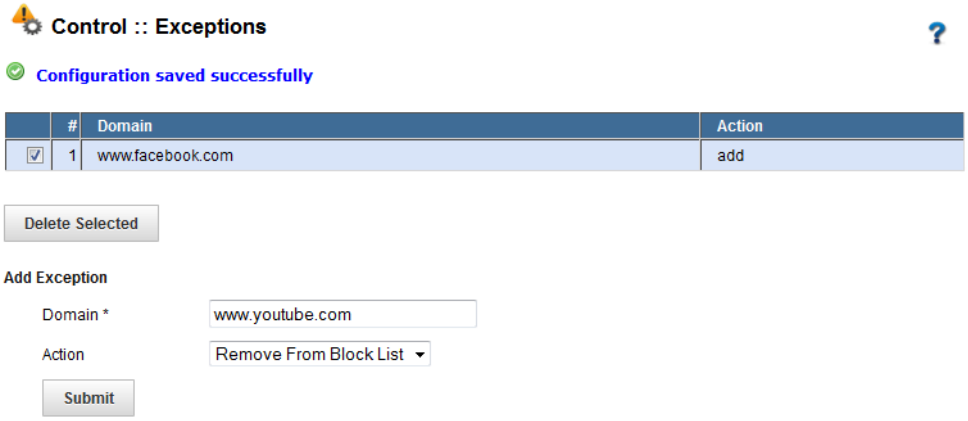
9) How to add or remove URL's to block list?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to content filter section under control TAB.
- ✓ Click on Exceptions option from left pane.
- ✓ To block URL:



  - Mention URL in Domain textbox and take action selecting "Add to block list" from drop down list.

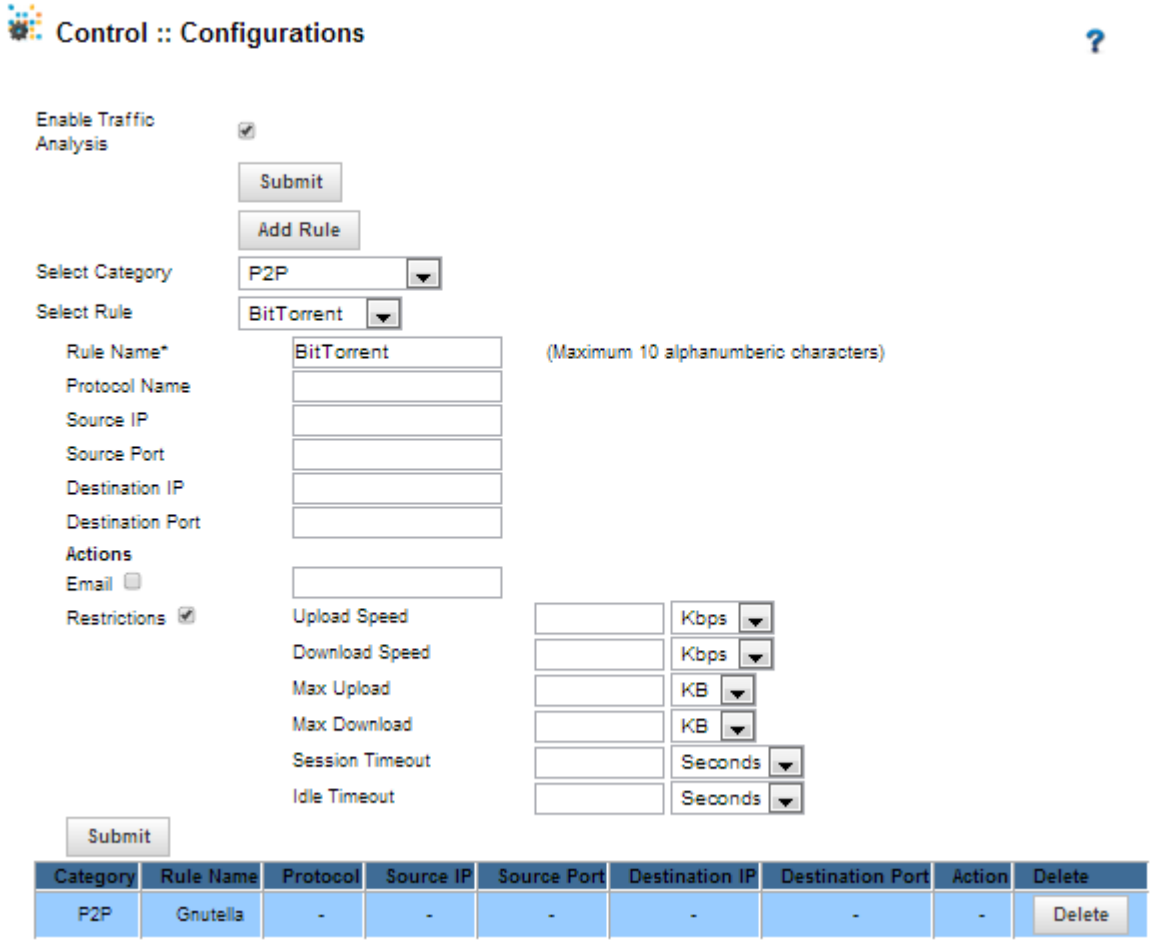
- ✓ To Remove URL from blocked list:



- ✓ Mention URL in domain textbox and take action selecting "Remove from blocked list" from drop down list.
- ✓ Click on submit to save changes made.

10) How to block torrents in Unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to traffic analysis section under control panel.
- ✓ Enable Traffic analysis by ticking check box, click on submit.
- ✓ Once traffic analysis is enabled, click on add rule to set rules.
- ✓ Select the type of traffic you want to block from drop down list.
- ✓ Once the type is selected, select rule from drop down list.
- ✓ Give name for rule.



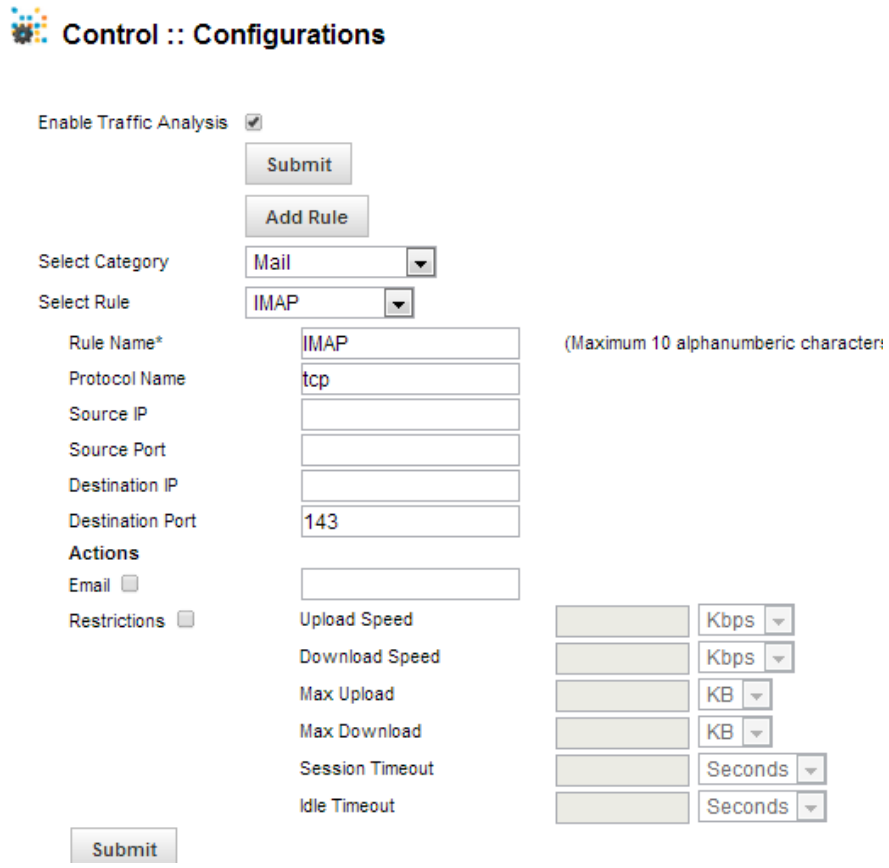
- ✓ Give protocol name, mention source port, source IP, Destination port, destination IP.
- ✓ Select the actions, if you want notification of traffic analysis then mention mail ID.
- ✓ If you want to restrict traffic, then mention upload speed, download speed, max upload & download Session timeout and idle timeout.
- ✓ Click on submit to save rule.

11) How to block specific traffic in unibox?

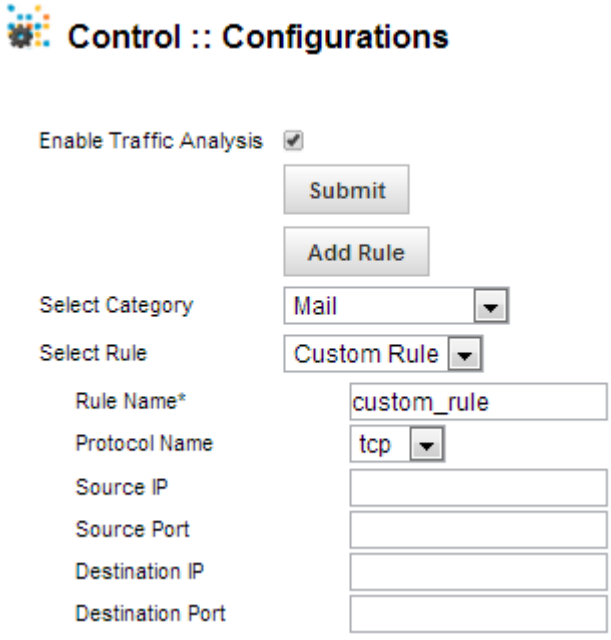
- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to traffic analysis section under control TAB.
- ✓ Enable Traffic analysis by ticking check box, click on submit.
- ✓ Once traffic analysis is enabled, click on add rule to set rules.

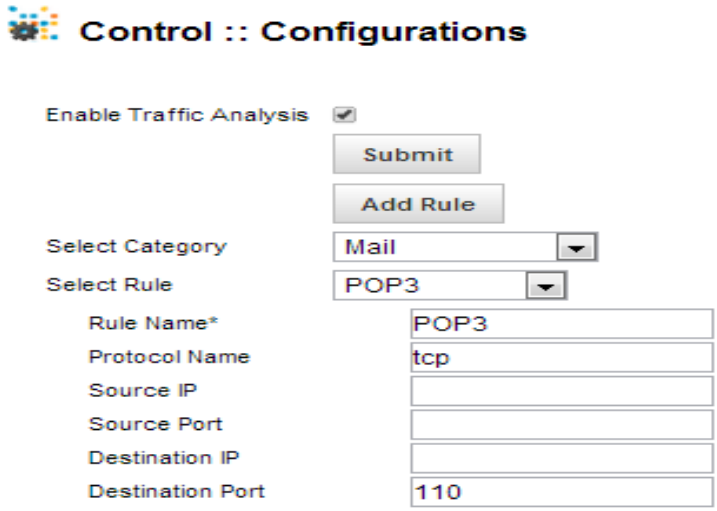
There are various types of traffic that can be blocked under unibox:

- ✓ To block MAIL traffic:
- ✓ Select category as Mail from drop down list.
- ✓ Select the type of mailing protocol you want to block (Ex. POP3 or IMAP).



✓ These rules are predefined, if you want to add new rule then select option as custom rule. Select protocol name and configure rest of the settings.

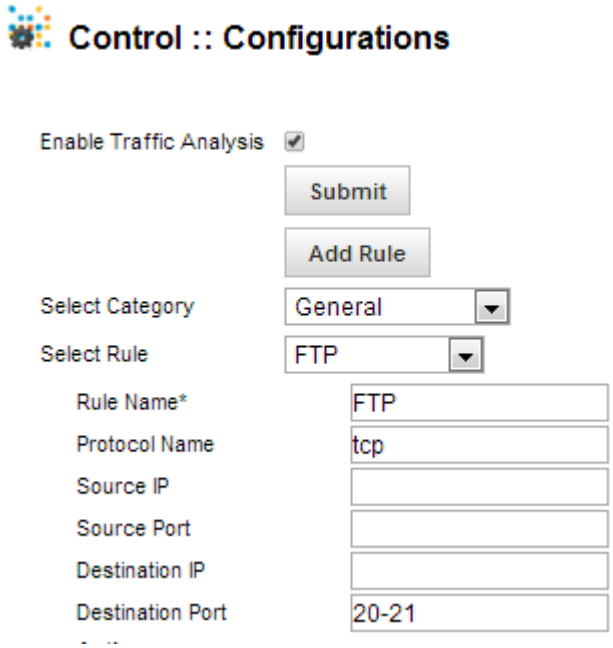




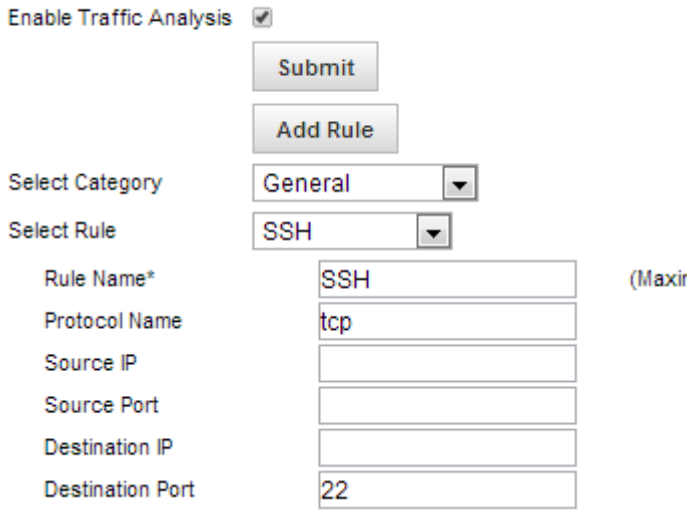
- ✓ Click on submit to save rule.

✓ To block General Traffic:

- ✓ General rule is categorized in to four types naming FTP, SSH, HTTP and custom rule.
- ✓ To block FTP traffic:



- Select FTP from drop down list.
- Give rule name and protocol name, destination port is predefined.
- Configure rest settings and click on submit to save FTP rule.
- To block SSH traffic:
  - This is predefined rule with rule name, protocol and destination port.

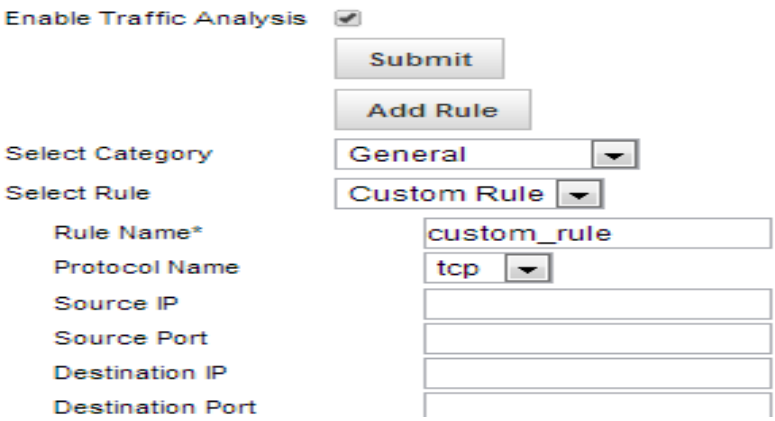


- Configure rest settings and click on submit to save SSH rule.

- To block HTTP traffic:

  - This is predefined rule with rule name, protocol and destination port.
  - Configure rest settings and click on submit to save HTTP rule.

- Block general traffic configuring custom rule:

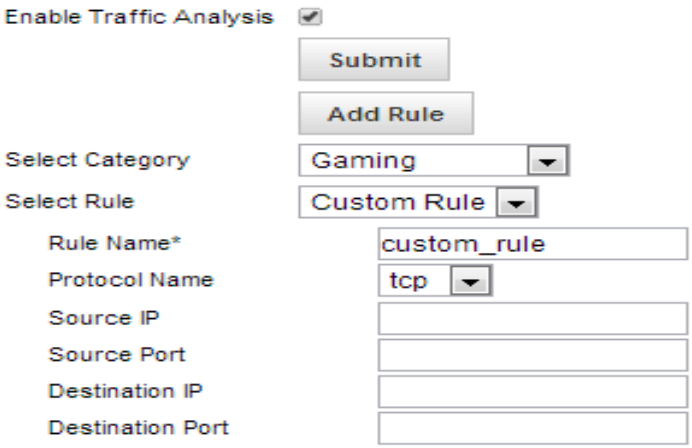


- This is not predefined rule, select protocol for rule, port number.
- Configure rest settings and click on submit to save custom rule.

✓ To block gaming traffic:

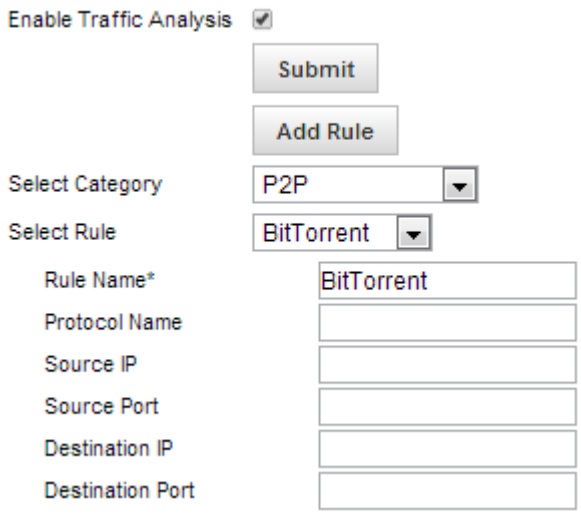
- This is predefined rule with rule name, protocol and destination port.
- Configure rest settings and click on submit to save CS rule.

▪ To block gaming traffic by setting rule:



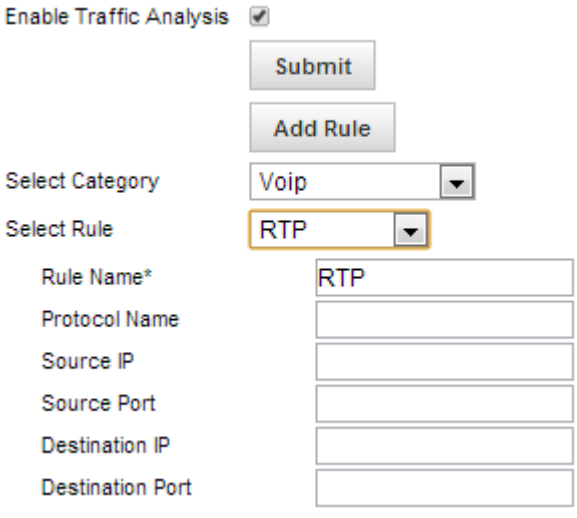
- This is not predefined rule, select protocol for rule, port number.
- Configure rest settings and click on submit to save custom rule.

✓ To block P2P traffic:



- All the rules are predefined with rule name, protocol and destination port.
- Configure rest settings and click on submit to save rule.

✓ To block VOIP traffic:



- This is predefined rule with rule name, protocol and destination port.
- Configure rest settings and click on submit to save RTP (Real time transport protocol) rule.

12) How to check traffic analysis reports?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to policy section under control panel.
- ✓ Click on the reports option from left pane.
- ✓ Click on the name of rule to view the traffic analysis details.