

UNIBOX

An Intelligent Network Controller

Knowledge Base:

Tools Module



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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 do ping test in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to diagnostic tools section under tools TAB.
- ✓ Click on ping option from left pane.

Tools :: Ping ?

Ping

IP Address / Web Address

Ping Status


```
PING www.google.com (173.194.40.176) 56(84) bytes of data:
64 bytes from par10s11-in-f16.1e100.net (173.194.40.176): icmp_req=1 ttl=46 time=414 ms
64 bytes from par10s11-in-f16.1e100.net (173.194.40.176): icmp_req=2 ttl=46 time=372 ms

--- www.google.com ping statistics ---
3 packets transmitted, 2 received, 33% packet loss, time 11106ms
rtt min/avg/max/mdev = 372.443/393.544/414.646/21.110 ms
```

- ✓ Enter web Address or IP address in text box and click on ping button to take test.
- ✓ See the result of the ping, if successful, WAN configurations are correct. If not please re-configure WAN port settings.

2) How to trace routes specific server IP?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to diagnostic tools section under tools TAB.
- ✓ Click on trace route option from left pane.
- ✓ Enter web Address or IP address in text box and click on ping button to take test.

 **Tools :: Trace Route**



Trace Route

IP Address / Web Address

Trace Route Status


```
tracert to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets
 1 192.168.0.1 (192.168.0.1) 1.172 ms 6.030 ms 6.017 ms
 2 10.29.224.1 (10.29.224.1) 18.176 ms 19.822 ms 18.605 ms
 3 113.193.240.241 (113.193.240.241) 28.534 ms 16.939 ms 16.913 ms
 4 182.19.79.18 (182.19.79.18) 20.635 ms 20.758 ms 24.469 ms
 5 182.19.105.73 (182.19.105.73) 25.457 ms 28.601 ms 28.633 ms
```

3) How to scan the network IP range and addresses?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to diagnostic tools section under tools TAB.
- ✓ Click on the IP scan option from left pane.
- ✓ Enter the range of IP address and click on scan.

4) How to trace network in unibox?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to diagnostic tools section under tools TAB.
- ✓ Click on network trace option from left pane.
- ✓ Select the interface to trace from drop down list.(Ex. LAN, WAN or WLAN).

 **Tools :: Network Trace**

 **Network trace started.**

Network Trace Settings

| | | |
|--------------------|-------------------------------------|---------|
| Interface to trace | <input type="text" value="Bridge"/> | |
| Duration | <input type="text" value="600"/> | seconds |
| Number of Packets | <input type="text" value="100"/> | |
| Size Limit | <input type="text" value="128"/> | bytes |
| Filters | <input type="text"/> | |

For valid filter expressions [click here](#)

Export Network Trace

 **Tools :: Network Trace**

 **Network trace stopped.**

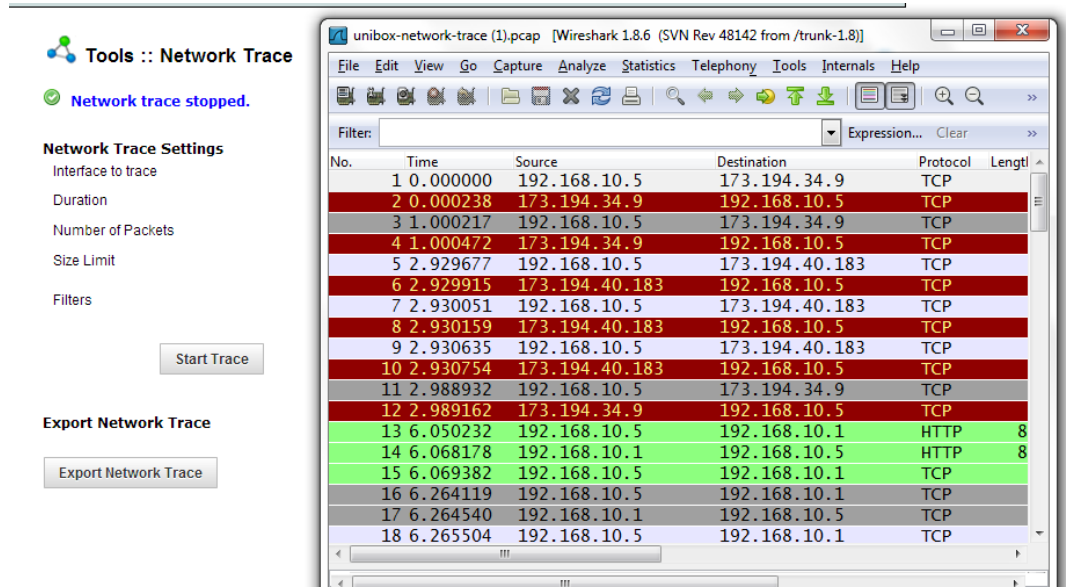
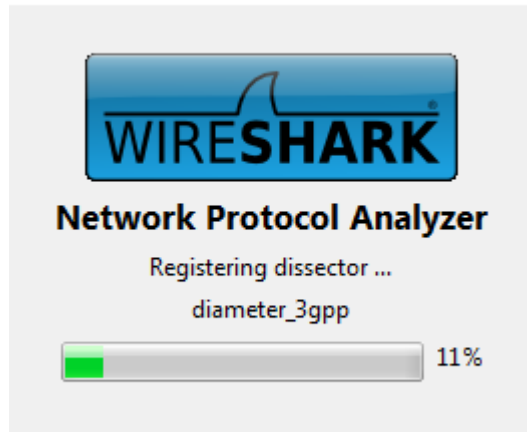
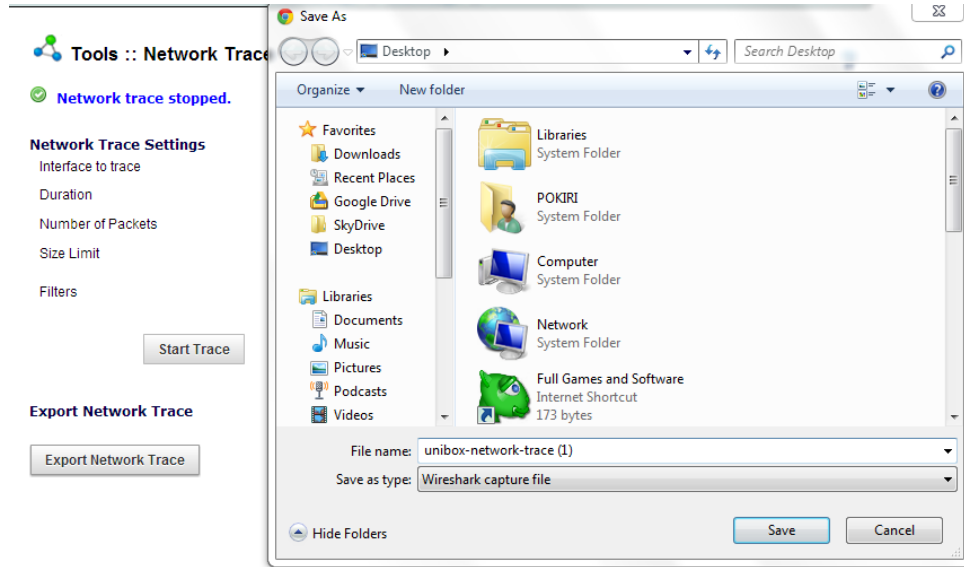
Network Trace Settings

| | | |
|--------------------|-------------------------------------|---------|
| Interface to trace | <input type="text" value="Bridge"/> | |
| Duration | <input type="text" value="600"/> | seconds |
| Number of Packets | <input type="text" value="100"/> | |
| Size Limit | <input type="text" value="128"/> | bytes |
| Filters | <input type="text"/> | |

For valid filter expressions [click here](#)

Export Network Trace


- ✓ Enter duration (in seconds) of the trace.
- ✓ Enter number of packets to be traced.
- ✓ Enter size limit.
- ✓ Mention filter to trace specific traffic such as 'host foo', `net 128.3', `port 20', `portrange 6000-6008' etc.
- ✓ Click on start trace button to begin trace.
- ✓ Click on stop trace to stop trace.



- ✓ Click on export Network trace to download trace dump file which is in .pcap format.
- ✓ We need tools like wireshark to open downloaded pcap file.

5) How to force authenticate users?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to diagnostic tools section under tools TAB.
- ✓ Click on force authenticate option from left pane.

 **Tools :: Force Authenticate**




Field: Value:

| # | MAC Address | IP Address | VLAN ID | State | Leases(HH:MM:SS) |
|---|-------------------|---------------|---------|---|---------------------|
| 1 | 00-1C-C0-E8-E3-9C | 192.168.0.106 | - | <input type="button" value="Authenticate"/> | 00:10:00 / 00:10:00 |
| 2 | 30-85-A9-E3-31-EB | 192.168.10.5 | - | <input type="button" value="Authenticate"/> | 00:03:48 / 00:10:00 |

- ✓ Search for the MAC address or IP address of the device to whom you want to authenticate force fully.
- ✓ Click on the “authenticate” button to force authenticate user.
- ✓ The force authenticated user will appear in online user list under username forceauth@unibox.

6) How to enable caching and proxy?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to caching/proxy section under tools TAB.

 **Tools :: Caching / Proxy**


Proxy Settings

| | | | |
|-------------------------------------|-------------------------------------|-------|---|
| Enable Proxy | <input checked="" type="checkbox"/> | | |
| Enable Caching | <input checked="" type="checkbox"/> | | |
| Cache Timeout* | <input type="text" value="24"/> | Hours | ▼ |
| Cache Limit* | <input type="text" value="512"/> | MB | ▼ |
| <input type="button" value="Save"/> | | | |

- ✓ Enable proxy by ticking 1st check box.
- ✓ Enable caching by ticking 2nd check box.
- ✓ Enter cache time out time and select time unit from drop down list. (Ex. Seconds, minutes, hours or days).
- ✓ Enter cache limit and select data unit from drop down list. (Ex. KB, MB or GB).
- ✓ Click on save to save caching/proxy configuration settings.

7) How to flush cache from unibox?


- ✓ Open unibox dashboard in web browser.
- ✓ Navigate to caching/proxy section under tools TAB.

 **Tools :: Flush Cache**



Are you sure you want to Flush Cache ?

- ✓ Click on flush cache option from left pane.


 **Tools :: Flush Cache**

 **Cache flushed successfully**

- ✓ Click on “flush cache” confirmation button to flush.

8) How to view user activity logs summary?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate user activity logs section under tools TAB.
- ✓ Click on user activity logs summary option from left pane.
- ✓ It will display last 7 days summary, with date, total sites, unique sites browsed, Unique users and bandwidth consumed.

 **Tools :: Activity Logs Summary** ?

Last 7 Days Summary

| Date | Total sites | Unique sites | Unique users | Bandwidth consumed |
|-------------|-------------|--------------|--------------|--------------------|
| 12 Jun 2013 | 396 | 104 | 7 | 6.19 KB |
| 11 Jun 2013 | 162 | 43 | 6 | 2.53 KB |
| 10 Jun 2013 | 1205 | 119 | 22 | 18.83 KB |
| 09 Jun 2013 | 516 | 77 | 9 | 8.06 KB |
| 08 Jun 2013 | 864 | 125 | 14 | 13.5 KB |
| 07 Jun 2013 | 3731 | 364 | 31 | 58.3 KB |
| 06 Jun 2013 | 3251 | 411 | 18 | 50.8 KB |

Last 30 Days Summary

| Total sites | Unique sites | Unique users | Bandwidth consumed |
|-------------|--------------|--------------|--------------------|
| 11642 | 692 | 106 | 181.91 KB |

Last 180 Days Summary

| Total sites | Unique sites | Unique users | Bandwidth consumed |
|-------------|--------------|--------------|--------------------|
| 12509 | 738 | 111 | 195.45 KB |

✓

9) How to view top sites report?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate user activity logs section under tools TAB.



Tools :: Top Sites




| # | URL | Connect | Bytes |
|----|---|---------|-----------|
| 1 | secure.unibox.com | 6696 | 104.63 KB |
| 2 | clients4.google.com | 206 | 3.22 KB |
| 3 | www.google.co.in | 181 | 2.83 KB |
| 4 | www.google.com | 135 | 2.11 KB |
| 5 | accounts.google.com | 120 | 1.88 KB |
| 6 | ssl.gstatic.com | 100 | 1.56 KB |
| 7 | www.youtube.com | 94 | 1.47 KB |
| 8 | i.vtimg.com | 92 | 1.44 KB |
| 9 | wpad.secure.unibox.com | 91 | 1.42 KB |
| 10 | m.youtube.com | 87 | 1.36 KB |
| 11 | mail.google.com | 84 | 1.31 KB |
| 12 | i1.vtimg.com | 84 | 1.31 KB |
| 13 | i4.vtimg.com | 83 | 1.3 KB |
| 14 | mtalk.google.com | 81 | 1.27 KB |
| 15 | plus.google.com | 80 | 1.25 KB |
| 16 | mvip.opendns.com | 80 | 1.25 KB |
| 17 | clients1.google.co.in | 77 | 1.2 KB |
| 18 | i3.vtimg.com | 77 | 1.2 KB |
| 19 | drive.google.com | 72 | 1.13 KB |
| 20 | i2.vtimg.com | 71 | 1.11 KB |
| 21 | picasaweb.google.co.in | 70 | 1.09 KB |

- ✓ Click on top sites option from left pane.
- ✓ This report shows sites browsed , number of connect to site and bytes.

10) How to view reports of sites browsed by user?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate user activity logs section under tools TAB.
- ✓ Click on site & users option from left pane.

 **Tools :: Site & Users**



Search URL


URL:

UserName: Mac Address:

From: To:

| # | UserName | URL | IP Address | Mac Address | Date Accessed |
|---|---|-----------------------------------|--------------|-------------------|----------------------|
| 1 | <input type="checkbox"/> Namrata@unibox | | | | |
| 2 | <input type="checkbox"/> Ankita@unibox | | | | |
| | L Ankita@unibox | secure.unibox.com | 192.168.10.5 | 30-85-A9-E3-31-EB | 12 Jun 2013 12:53:08 |
| | L Ankita@unibox | secure.unibox.com | 192.168.10.5 | 30-85-A9-E3-31-EB | 12 Jun 2013 12:53:08 |
| | L Ankita@unibox | secure.unibox.com | 192.168.10.5 | 30-85-A9-E3-31-EB | 12 Jun 2013 12:53:07 |
| 3 | <input type="checkbox"/> Nishant@unibox | | | | |
| | L Nishant@unibox | secure.unibox.com | 192.168.11.4 | 80-60-07-9F-A7-DD | 12 Jun 2013 12:39:19 |
| | L Nishant@unibox | secure.unibox.com | 192.168.11.4 | 80-60-07-9F-A7-DD | 12 Jun 2013 12:39:18 |
| | L Nishant@unibox | secure.unibox.com | 192.168.11.4 | 80-60-07-9F-A7-DD | 12 Jun 2013 12:39:18 |

- 11) How to view reports of download hit by users?
- ✓ Open unibox dashboard in web browser.
 - ✓ Navigate user activity logs section under tools TAB.
 - ✓ Click on download hits option from left pane.
 - ✓ You can see data download logs in unibox.

 **Tools :: Download Hits**

 ?
1 2 3 ▶

| Downloads Search | | | | | |
|------------------|--------------|-------------------|------------------------|----------------------|------------------------------------|
| Field: | IP Address | Value: | | Date: | |
| # | IP Address | Mac Address | UserName | Date | Download |
| 1 | 192.168.1.20 | 00-0B-6A-A8-E9-6F | acc2@cparkbackoffice | 12 Jun 2013 14:13:45 | ocget.dll |
| 2 | 192.168.1.20 | 00-0B-6A-A8-E9-6F | acc2@cparkbackoffice | 12 Jun 2013 14:13:44 | ocget.dll |
| 3 | 192.168.1.59 | 50-46-5D-65-B1-DC | hrdesk@cparkbackoffice | 12 Jun 2013 13:08:48 | message.zip |
| 4 | 192.168.1.99 | E4-1F-13-C4-AA-18 | ids@cparkbackoffice | 12 Jun 2013 13:06:08 | latest.bin |
| 5 | 192.168.1.99 | E4-1F-13-C4-AA-18 | ids@cparkbackoffice | 12 Jun 2013 13:06:07 | 0000004f_index.bin |
| 6 | 192.168.1.99 | E4-1F-13-C4-AA-18 | ids@cparkbackoffice | 12 Jun 2013 13:06:07 | 00000078_index.bin |
| 7 | 192.168.1.99 | E4-1F-13-C4-AA-18 | ids@cparkbackoffice | 12 Jun 2013 13:06:07 | 00000078_index.bin |
| 8 | 192.168.1.99 | E4-1F-13-C4-AA-18 | ids@cparkbackoffice | 12 Jun 2013 13:06:07 | 00000079_index.bin |

- 12) How to save or take backup of user activity logs?
- ✓ Open unibox dashboard in web browser.
 - ✓ Navigate user activity logs section under tools TAB.
 - ✓ Click on download activity logs option left pane.
 - ✓ Click on download button and save logs on local drive.

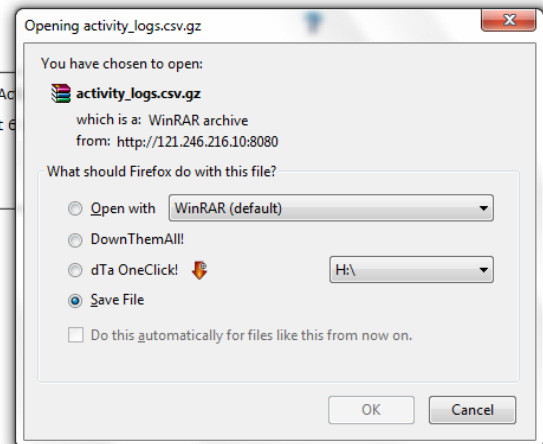
 **Tools :: Download Activity Logs**

 ?

Are you sure you want to download the Activity Logs ?
(Note: Activity logs are stored upto last 6 months.)


 **Tools :: Download Activity Logs**

Are you sure you want to download the Activity Logs?
(Note: Activity logs are stored upto last 60 days)



13) How to view event logs?

- ✓ Open unibox dashboard in web browser.
- ✓ Navigate event logs section under tools TAB.
- ✓ Select filter log type from drop down list. (Ex. Severity, source or section)
- ✓ Select type of log from drop down list. (Ex. Warning, error, alert or critical).
- ✓ Click on search to get filtered logs.

 **Tools :: Event Logs**



Event Logs Search

Filter Logs:

Display Only: Recent Logs Complete Logs

| Time | Severity | Source | Section | Message |
|----------------------|----------|------------|----------------|---|
| 14 Jun 2013 15:20:00 | log | controller | AAA | Authentication failed for Nazama@unibox because - Bandwidth Expiry Time limit is reached. |
| 14 Jun 2013 15:19:59 | log | controller | AAA | Login attempted by user with username : Nazama@unibox client mac address : 30-85-A9-E3-31-EB client ip address : 192.168.10.5 |
| 14 Jun 2013 15:19:38 | log | admin | authentication | config update success - authentication user- Nazama@unibox user edited |
| 14 Jun 2013 15:17:03 | log | admin | authentication | config update success - authentication group- default group edited |
| 14 Jun 2013 15:16:59 | log | admin | authentication | config update success - authentication group- default group edited |
| 14 Jun 2013 15:06:09 | log | controller | AAA | Login attempted by user with username : Nazama@unibox client mac address : 30-85-A9-E3-31-EB client ip address : 192.168.10.5 |
| 14 Jun 2013 15:06:09 | log | controller | AAA | Authentication failed for Nazama@unibox because - Bandwidth Expiry Time limit is reached. |
| 14 Jun 2013 15:05:48 | log | admin | admin | date changed to: 6/14/2013 15:5:48 successfully |
| 12 Jun 2013 15:21:15 | log | controller | AAA | Login attempted by user with username : Nazama@unibox client mac address : 30-85-A9-E3-31-EB client ip address : 192.168.10.5 |
| | | | | Authentication successful for user Nazama@unibox |

- 14) How to save or take back-up of event logs?
- ✓ Open unibox dashboard in web browser.
 - ✓ Navigate event logs section under tools TAB.
 - ✓ Click on save logs option from left pane.
 - ✓ Press “save logs” button to download all event logs on your local drive.

