

## History Page

<https://campus.barracuda.com/doc/53248395/>

The **History** page is the most powerful tool for troubleshooting. To open the page, click the **FIREWALL** tab and select **History**.

## Video

To get a feel for how to use the **FIREWALL > History** page in NextGen Admin, watch the following video:



The **History** page displays all sessions when the slot ends. TCP sessions usually end with the FIN-FINACK-ACK sequence. This is displayed as **Normal operation** in the **Info** column. Resets are terminated with **Session idle timeout, Last ACK timeout**. For the stateless UDP and ICMP protocols, "pseudo" sessions are created that usually end with a timeout.

DASHBOARD   CONFIGURATION   CONTROL <b>FIREWALL</b> ATP   NETWORK ACCESS CLIENT   VPN   MAILGW   PROXY   LOGS   STATISTICS   EVENTS   SSH																	
Monitor   Live   History   Threat Scan   Audit Log   Shaping   Users   Dynamic   Host Rules   Forwarding Rules   Sync Filter   Entries: 572   Max Entries: All   Refresh (F5)   Disconnect																	
Cache Selection   Access, Fail, Rule Block, Packet Drop   Traffic Selection   Forward, Local In, Local Out, IPv4, IPv6   Port: 80																	
A.	IP Proto	Port	Source	Interface	User	Destination	Output-IF	Next Hop	Application	Application Context	Count	Last	Rule	Info			
✓	TCP	80	10.0.10.11	eth0		195.38.137...	eth1				28	1m 41s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		212.61.180...	eth1				14	1m 43s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		46.101.197.4i	eth1				27	4m 52s	LAN-2-INTERNET	TF-Sync			
⚠	TCP	80	10.0.10.11	eth0	mz...	104.103.72...	eth1				48	30m 37s	LAN-2-INTERNET	Connect Timeout			
⚠	TCP	80	10.0.10.11	eth0	mz...	23.211.171.2i	eth1				27	30m 57s	LAN-2-INTERNET	Accept Timeout			
✓	TCP	80	10.0.10.11	eth0		92.123.3.212	eth1				1	56m 25s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		104.96.90.22i	eth1				1	56m 26s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		104.96.91.10	eth1				2	1h 45m 54s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		23.6.124.7	eth1				1	1h 46m 43s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		104.96.90.22	eth1				2	1h 46m 43s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		23.206.108...	eth1				1	2h 06m 40s	LAN-2-INTERNET	TF-Sync			
✓	TCP	80	10.0.10.11	eth0		46.101.197.4i	eth1		Web browsing	api.pint.com	802	2h 53m 56s	<App>AlertOnNewsSites	Application Detect			
✓	TCP	80	10.0.10.11	eth0		46.101.197.4i	eth1	62.99.0...			802	2h 53m 56s	LAN-2-INTERNET	Normal Operation			
✓	TCP	80	62.99.0.40	eth1		64.235.158...		62.99.0...			8268	2h 54m 05s	OP-SRV-PX-FTP	Normal Operation			
✓	TCP	80	62.99.0.40	eth1		54.154.68.20		62.99.0...			65	2h 54m 10s	OP-SRV-PX-FTP	Normal Operation			
✓	TCP	80	62.99.0.40	eth1		54.246.135...		62.99.0...			136	2h 54m 11s	OP-SRV-PX-FTP	Normal Operation			
✓	TCP	80	10.0.10.11	eth0		212.61.180...	eth1	62.99.0...			403	3h 31m 57s	LAN-2-INTERNET	Normal Operation			
✓	TCP	80	10.0.10.11	eth0		212.61.180...			Web browsing	prt.filesolutions.info	403	3h 31m 57s	<App>AlertOnNewsSites	Application Detect			
✓	TCP	80	10.0.10.11	eth0		195.38.137...	eth1	62.99.0...			803	3h 31m 58s	LAN-2-INTERNET	Normal Operation			
✓	TCP	80	10.0.10.11	eth0		195.38.137...			Web browsing	up.filesnow.info	403	3h 31m 58s	<App>AlertOnNewsSites	Application Detect			
✓	TCP	80	10.0.10.11	eth0		23.206.108...			Web browsing	www.microsoft.com	9	3h 35m 40s	<App>AlertOnNewsSites	Application Detect			
✓	TCP	80	10.0.10.11	eth0		104.96.90.22i			Microsoft Update and Microsof		33	3h 35m 40s	<App>AlertOnNewsSites	Application Detect			

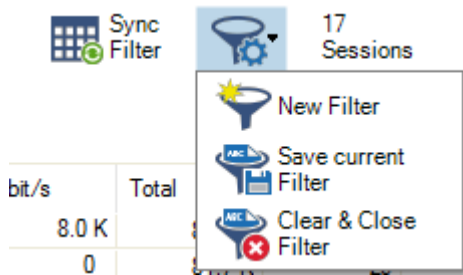
The following information is provided for each session:

- **AID** - Access ID, including an icon for blocked connections (red), an icon for established connections (green), and consecutive numbering for both blocked and established connections.
- **IP Proto** - The protocol used. For example, TCP, UDP, or ICMP.
- **Port** - The destination port (or internal ICMP ID).
- **Source** - The source IP address.
- **Src. Prefix** - The source prefix.
- **Dst. Prefix** - The destination prefix.
- **Interface** - The affected interface.
- **User** - The username of the affected user and group.
- **Destination** - The destination IP address.
- **Output-IF** - The outgoing interface.
- **Next Hop** - The next hop.
- **Application** - The name of the affected application.
- **Application Context** - The context of the affected application.
- **Count** - The number of tries. The counter applies when a connection attempt hits a specific rule with **Firewall History Entry** enabled in the **Advanced** rule configuration. Removal of old entries is handled according to a fixed buffer size that can be adjusted in the **Infrastructure Services > General Firewall Configuration > History Cache** page.
- **Last** - Time passed since last try.
- **Rule** - The name of the affected firewall rule.
- **Info** - Additional information.
- **Org** - Origin:
  - **LIN** - Local In; incoming traffic on the box firewall.
  - **LOUT** - Local Out; outgoing traffic from the box firewall.
  - **LB** - Loopback; traffic via the loopback interface.
  - **FWD** - Forwarding; outbound traffic via the forwarding firewall.
  - **IFWD** - Inbound Forwarding; inbound traffic to the firewall.
  - **PXY** - Proxy; outbound traffic via the proxy.
  - **IPXY** - Inbound Proxy; inbound traffic via the proxy.
  - **TAP** - Transparent Application Proxying; traffic via virtual interface.
  - **LRD** - Local Redirect; redirect traffic configured in forwarding ruleset.
- **MAC** - The MAC address of the interface.
- **Src NAT** - The source NAT address.
- **Dst NAT** - The destination NAT address.
- **Out Route** - Unicast or local.
- **Protocol** - The affected protocol.
- **Src./Dst. Geo** - The geographic source / destination of the active connection.
- **URL Category** - Category of the destination URL.

## Filter Options

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You can filter the list of sessions by traffic type, status, and properties. Click the **Filter** icon on the top right of the ribbon bar to access the filtering options.



1. Click the **Filter** icon.
2. Select **New Filter**. The **Traffic Selection** section opens on the top left of the list.
3. Expand the **Traffic Selection** drop-down menu and select the required check boxes:
  - **Forward** – Sessions handled by the Forwarding Firewall.
  - **Loopback** – System-internal data exchanged by the loopback interface.
  - **Local In** – Incoming sessions handled by the box firewall.
  - **Local Out** – Outgoing sessions handled by the box firewall.
  - **IPv4** – IPv4 traffic.
  - **IPv6** – IPv6 traffic.
4. From the **Status Selection** list, you can select the following options to filter for certain traffic statuses:
  - **Closing** – Closing connections.
  - **Established** – Established connections.
  - **Failing** – Failed connections.
  - **Pending** – Connections currently being established.
5. To define more filters for specific properties:
  1. Click the **+** icon.
  2. Select the required criteria.
  3. Select or enter the value in the blank field.





Some fields allow the use of wildcards (\*?; !\*?). Example: !Amazon\* excludes all entries starting with Amazon; Y\*|A\* includes all entries starting with "Y" or "A".

Clicking the **Sync Filter** icon on the top right of the ribbon bar above the filters allows you to switch to the [Live Page](#) with the same filters applied.

## Managing Sessions

You can view additional information for a specific session by double-clicking an entry.

## Session Details

ID:	..... 138
State:	
IP Protocol:	TCP
Port:	807
Source:	10.0.10.11
Interface:	eth0
User:	
Destination:	10.0.10.33
Output-IF:	eth0
Application:	
Application Context:	
QoS:	
Rule:	 MGMT-ACCESS
bit/s:	0
Total:	46.0 K
Idle:	25s
TI ID:	-
Type:	LIN
Src.Port:	58671
In:	25.8 K
Out:	20.1 K
Start:	1h 49m 33s
SNAT:	
DNAT:	
Status:	LOC-EST
Policy:	NOSYNC
FWD Shape:	- / Out: -
REV Shape:	- / Out: -
Protocol:	NGF-MGMT
File Content:	
Src. Geo:	 Non-routable or Private IP Addresses
Dst. Geo:	 Non-routable or Private IP Addresses
URL Category:	
User Agent:	
Src. Prefix:	
Dst. Prefix:	

Right-click into the listing to make the following context menus available:

- **Remove Selected** – Removes selected entries from the list. To select one or more entries, select an entry and use the shift and CTRL keys.
- **Flush Cache** – Removes all entries from the access cache, depending on the criteria selected in the sub-menu.
- **Show Hostnames** – Translates source and destination IPs to hostnames and vice versa. IP addresses are only resolved to hostnames if enabled in the firewall DNS settings.
- **Apply Rule Tester** – Offers the option for firewall rule testing.

- **Find** - Opens a search window at the top of the list.

For more settings, see: [Barracuda NextGen Admin](#).

The size of the caches is configured in the General Firewall settings and requires a firmware restart. For more information, see [General Firewall Configuration](#).

## Figures

1. fw\_hist\_01.png
2. filter\_options.png
3. sessions.png

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