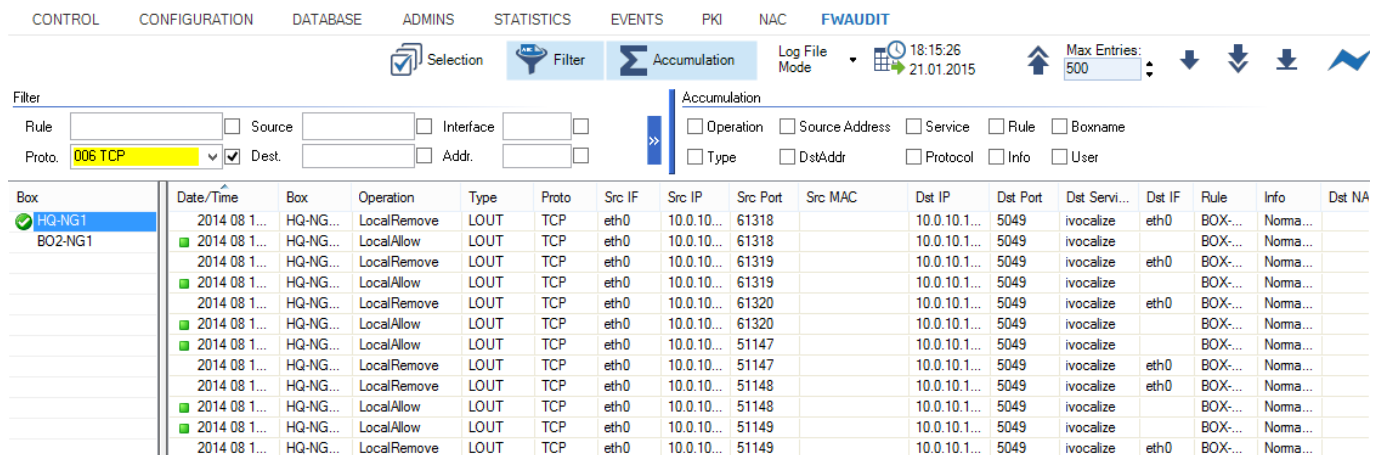


CC FWAUDIT Tab

<https://campus.barracuda.com/doc/41115887/>


The **FWAUDIT** tab provides access to the Firewall Audit viewer. The Firewall Audit viewer displays information related to firewall sessions on managed Barracuda NG Firewalls. The type of data collected depends on the FW Audit settings on the individual units (see [FW Audit](#)). Similar to the [Log Viewer](#) directly on the NG Firewall, the Firewall Audit viewer supports navigating to a dedicated date/time and browsing backward and forward.



Box	Date/Time	Box	Operation	Type	Proto	Src IF	Src IP	Src Port	Src MAC	Dst IP	Dst Port	Dst Servi...	Dst IF	Rule	Info	Dst NA
HQ-NG1	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	61318		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	
BO2-NG1	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	61318		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	61319		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	61319		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	61320		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	61320		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	51147		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	51147		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	51148		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	51148		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalAllow	LOUT	TCP	eth0	10.0.10...	51149		10.0.10.1...	5049	ivocalize		BOX-...	Norma...	
	2014 08 1...	HQ-NG...	LocalRemove	LOUT	TCP	eth0	10.0.10...	51149		10.0.10.1...	5049	ivocalize	eth0	BOX-...	Norma...	

In this article:

Information Display

The **FWAUDIT** page lists firewall audit data information and provides several filtering options. To display log files for one or several managed Barracuda NG Firewall units, double-click the Barracuda NG Firewall in the left column to select it and click the down arrow icon in the upper right of the ribbon bar ().

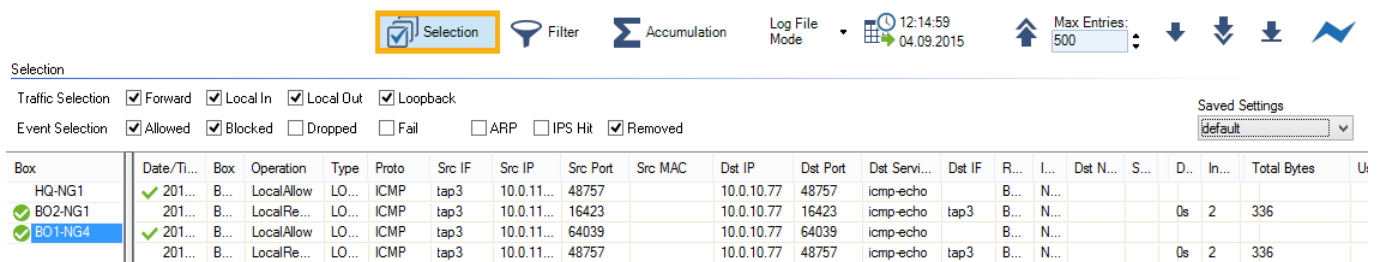
The columns on the **FWAUDIT** page display the following information:

- **Date/Time** – Date and time when the operation was performed.
- **Box** – The affected Barracuda NG Firewall.
- **Operation** – Displays the operation.
- **Type** – The operation type.
- **Proto** – The protocol used.
- **Src IF** – The source interface.

- **Src IP** - The source IP address.
- **Src Port** - The source port.
- **Src MAC** - The source MAC address if applicable.
- **Dst IP** - The destination IP address.
- **Dst Port** - The destination port.
- **Dst Service** - The destination service.
- **Dst IF** - The destination interface.
- **Rule** - The access or application rule that applies.
- **Info** - Displays additional information, if available.
- **DstNAT** - The destination NAT address.
- **SrcNAT** - The source NAT address.
- **Count** - Displays how often the operation was carried out.
- **Duration** - Duration time of the operation.
- **In Bytes** - Amount of incoming traffic in Bytes.
- **In Pkts** - Amount of incoming traffic in Pkts.
- **Out Bytes** - Amount of outgoing traffic in Bytes.
- **Out Pkts** - Amount of outgoing traffic in Pkts.
- **Total Bytes** - Total traffic in Bytes.
- **User** - The user affected by the operation.

Filtering Options

Clicking the first filter icon (**Selection**) in the ribbon bar opens the **Selection** menu, which provides the following options:



Selection

Traffic Selection Forward Local In Local Out Loopback

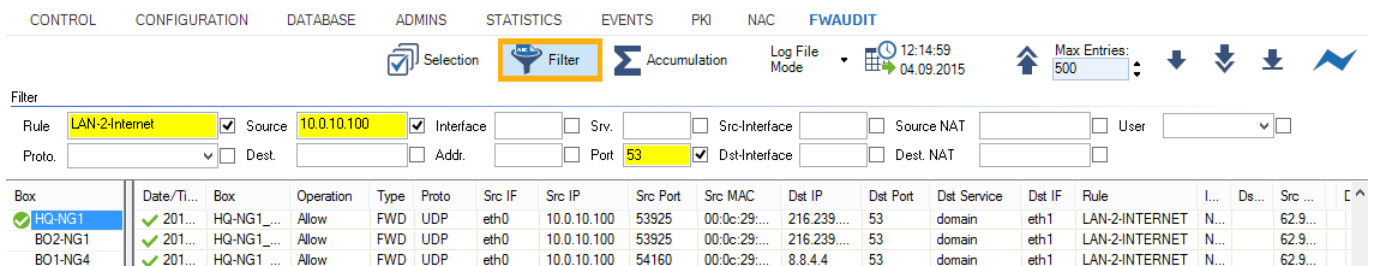
Event Selection Allowed Blocked Dropped Fail ARP IPS Hit Removed

Box	Date/Ti...	Box	Operation	Type	Proto	Src IF	Src IP	Src Port	Src MAC	Det IP	Det Port	Det Servi...	Det IF	R...	I...	Det N...	S...	D..	In...	Total Bytes	U
HQ-NG1	201...	B...	Local/Allow	LO...	ICMP	tap3	10.0.11...	48757		10.0.10.77	48757	icmp-echo	tap3	B...	N...						
BO2-NG1	201...	B...	LocalRe...	LO...	ICMP	tap3	10.0.11...	16423		10.0.10.77	16423	icmp-echo	tap3	B...	N...			0s	2	336	
BO1-NG4	201...	B...	Local/Allow	LO...	ICMP	tap3	10.0.11...	64039		10.0.10.77	64039	icmp-echo	tap3	B...	N...						
	201...	B...	LocalRe...	LO...	ICMP	tap3	10.0.11...	48757		10.0.10.77	48757	icmp-echo	tap3	B...	N...			0s	2	336	

- **Traffic Selection** - From the **Traffic Selection** list, you can select the following options to filter for certain traffic types:
 - **Forward** - Displays the traffic on the Forwarding Firewall.
 - **Local In** - Displays the incoming traffic on the Host Firewall.
 - **Local Out** - Displays the outgoing traffic from the Host Firewall.
 - **Loopback** - Traffic over the loopback interface.
- **Event Selection** - From the **Event Selection** list, you can select the following options to filter for certain traffic types:
 - **Allowed** - Displays all allowed events.
 - **Blocked** - Displays all blocked events.

- **Dropped** – Displays all dropped events.
- **Fail** – Displays all failed events.
- **ARP** – Displays all ARP requests.
- **IPS Hit** – Displays all events detected by the IPS.
- **Removed** – Displays all removed events.

Clicking the second filter icon (**Filter**) opens the **Filter** menu, which provides the following options:



The screenshot shows the FWAUDIT page with the Filter menu open. The Filter menu options are: Rule (LAN-2-Internet), Source (10.0.10.100), Interface, Srv., Src-Interface, Source NAT, User, Proto., Dest., Addr., Port (53), Dst-Interface, and Dest. NAT. Below the menu is a table of audit log entries.

Box	Date/Ti...	Box	Operation	Type	Proto	Src IF	Src IP	Src Port	Src MAC	Dst IP	Dst Port	Dst Service	Dst IF	Rule	I...	Ds...	Src ...
✓ HQ-NG1	201...	HQ-NG1_...	Allow	FWD	UDP	eth0	10.0.10.100	53925	00:0c:29:...	216.239...	53	domain	eth1	LAN-2-INTERNET	N...		62.9...
BO2-NG1	201...	HQ-NG1_...	Allow	FWD	UDP	eth0	10.0.10.100	53925	00:0c:29:...	216.239...	53	domain	eth1	LAN-2-INTERNET	N...		62.9...
BO1-NG4	201...	HQ-NG1 ...	Allow	FWD	UDP	eth0	10.0.10.100	54160	00:0c:29:...	8.8.4.4	53	domain	eth1	LAN-2-INTERNET	N...		62.9...

- **Rule** – Allows setting a filter for a specific rule.
- **Proto** – Allows setting a filter for a specific protocol.
- **Source/Dest.** – Allows setting a filter for a specific IP address/range that matches either source or destination.
- **Interface** – Allows setting a filter for a specific interface (for example, eth0).
- **Addr.** – Allows setting a filter for a specific destination IP address/range.
- **Srv.** – Allows setting a filter for a specific service.
- **Port** – Allows setting a filter for a specific port.
- **Src/Dst-Interface** – Allows setting a filter for the source/destination interface.
- **Source** – Allows setting a filter for the source NAT address.
- **Dest. NAT** – Allows setting a filter for the destination NAT address
- **User** – Allows setting a filter for the user affected by the operation.

Note that 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".

On the top right of the ribbon bar of the **Audit Log** page, you can specify a time and date to view logs that were created within a set time interval.

Log File Display Modes

The **FWAUDIT** page lists firewall audit data information according to the specified filter selection and time interval. Per default, all entries are shown line by line in the list (**Log File Mode**). The **Log File Mode** drop-down provides two display options.

- **Log File Mode** – Log files are shown line by line according to the specified filter selection and time interval.

- **Accumulation Mode** – Log files are shown accumulated by specified merging criteria. This provides a more general overview on similar event or session categories.

Log File Mode

Per default, all entries are shown line by line in the list (**Log File Mode**). In the navigation bar on the top right of the ribbon bar, you can select how information is displayed in the list. Use the **Max Entries** field to adjust the number of entries displayed in the list. To view a log entry, double click it.

Port	Src MAC	Dst IP	Dst Port	Dst Servi...	Dst IF	R...	I...	Dst N...	S...	D..	In...	Total Bytes
5		10.0.10.77	3665	icmp-echo		B...	N...					
		10.0.10.70	123	ntp		B...	S...		1...	0s	1	76
5		10.0.10.77	3665	icmp-echo	tap3	B...	N...			0s	2	336

You can navigate through the log entries with the following navigation buttons:

- Browse backward from the current entry.
- Display log files / filtering results for selected criteria such as the specified time and date.
- Browse forward from the current entry.
- Browse to the end of the log.

Accumulation Mode

Accumulation allows you to group events by specific criteria, such as source, protocol or access rule. To accumulate events, you must select a time interval from the fields provided in the ribbon bar. Select **Accumulated Event Mode** from the **Log File Mode** drop-down, and click the icon next to the filter (**Accumulation**) to open the **Accumulation** filter.


Accumulation

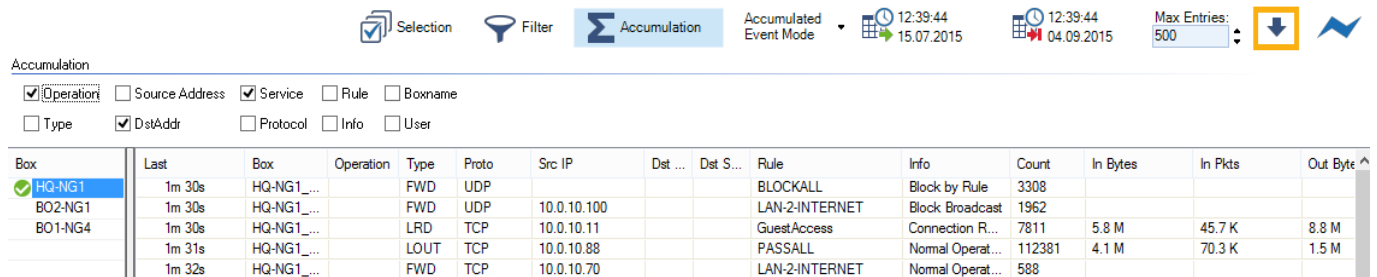
Operation
 Source Address
 Service
 Rule
 Boxname

Type
 DstAddr
 Protocol
 Info
 User

The **Accumulation** filter provides the following options:

- **Operation** - Accumulate entries by operation.
- **Type** - Accumulate entries by operation type.
- **Source Address** - Accumulate entries by source IP address/range.
- **Destination Address** - Accumulate entries by destination IP address.
- **Service** - Accumulate entries by service.
- **Protocol** - Accumulate entries by the protocol used.
- **Rule** - Accumulate entries by access or application rule.
- **Info** - Accumulate entries by additional information.
- **Boxname** - Accumulate entries by box name
- **User** - Accumulate entries by affected user.

To display the log files and filtering results for the selected criteria, click the down arrow icon in the upper right of the ribbon bar ().



The screenshot shows the 'Accumulation' ribbon bar with the following options: Selection, Filter, Accumulation, Accumulated Event Mode, and two clock icons. The 'Max Entries' field is set to 500 and has a down arrow icon highlighted. Below the ribbon bar, the 'Accumulation' section has checkboxes for 'Operation' (checked), 'Source Address', 'Service' (checked), 'Rule', 'Boxname', 'Type', 'DstAddr' (checked), 'Protocol', 'Info', and 'User'. A table displays the accumulated log entries:

Box	Last	Box	Operation	Type	Proto	Src IP	Dst ...	Dst S...	Rule	Info	Count	In Bytes	In Pkts	Out Byte
<input checked="" type="checkbox"/> HQ-NG1	1m 30s	HQ-NG1_...		FWD	UDP				BLOCKALL	Block by Rule	3308			
<input type="checkbox"/> BO2-NG1	1m 30s	HQ-NG1_...		FWD	UDP	10.0.10.100			LAN-2-INTERNET	Block Broadcast	1962			
<input type="checkbox"/> BO1-NG4	1m 30s	HQ-NG1_...		LRD	TCP	10.0.10.11			GuestAccess	Connection R...	7811	5.8 M	45.7 K	8.8 M
	1m 31s	HQ-NG1_...		LOUT	TCP	10.0.10.88			PASSALL	Normal Operat...	112381	4.1 M	70.3 K	1.5 M
	1m 32s	HQ-NG1_...		FWD	TCP	10.0.10.70			LAN-2-INTERNET	Normal Operat...	588			

Use the **Max Entries** field to adjust the number of entries displayed in the list.

Figures

1. fwaudit.png
2. l2.png
3. ccselection.png
4. ccfilter.png
5. ccmode_01.png
6. l1.png
7. l2.png
8. l3.png
9. l4.png
10. ccacc_01.png
11. l2.png
12. ccacc_02.png

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