

Network Page

https://campus.barracuda.com/doc/23190/

The **Network** page lets you monitor the current status of the network subsystem. To access the **Network** page, open the **CONTROL** tab on the Barracuda CloudGen Firewall, and click the **Network** icon in the ribbon bar.



Information Display

The network information display is divided into two tables:

- The top table displays information about configured network interfaces, network addresses, and routes. To view this information, click the tabs that are below the table.
- The bottom table displays information about the routing tables.

Inten	aces/IPs	IPs	Interfaces	Proxy ARPs	ARPS	Statistics	USPF	RIP	BGP	Switch Info	IPv6 ND) Cache			
Interf	ace/IP			Label		Ping M/	AC of dup	licate IP		1	nfo				
.	📥 et	h0, Spe	ed=10000	Mb/s, Dupl	ex=Full										
	🕑 1	0.0.10.7	2/25	mip0		ok ·									
		0.0.10.7	3/32	VS1		ok -									
	📥 et	h1, Spe	ed=10000	Mb/s, Dupl	ex=Full										
	i 🕑 E	62.99.0.2	1732	VS1		ok -									
	D 📥 et	h2													
.	📥 et	h3, Spe	ed=10000	Mb/s, Dupl	ex=Full										
	L🕑 1	72.16.0.2	240/32	VS1		ok -									
	😅 lo														
.	. 📥 . M	onO													
		onr0													
+															
.															
TABLE		[•											
		ALL		•											
TABLE	S 2 / Src Filte	(ALL			Туре		Interfa	се	Src II	P	Pref	Gateway		Name	
TABLE	S :/SrcFilte Table	ALL er 5, From	10.0.10.0		Туре		Interfa	се	Src II	P	Pref	Gateway		Name	
TABLE Table	S :/SrcFilte Table	(ALL			Туре		Interfa	се	Src II	P	Pref	Gateway		Name	
TABLE Table	S / Src Filte Table Table	ALL er 5, From	rom all		Type direct-bo	pot	Interfa eth0	ce		P).10.72	Pref	Gateway		Name	
TABLE Table	S / Src Filte Table Table 	ALL er 5, From main, Fr	rom all	/25				ce	10.0						A
TABLE Table	S Z Src Filte Table Table 10.1 2010	ALL er 5, From main, Fr 0.10.0/25	rom all 5 6	/25 up	direct-bo	-boot	ethO	ce	10.0).10.72	0	•		boxnet	•
TABLE Table	S 2 / Src Filte Table Table () 10.1 () 10.1 () 127	ALL 5, From main, Fr 0.10.0/28 17.0.0/16	rom all 5 6 4	/25 up up	direct-bo gateway	-boot ernel	eth0 eth0	ce	10.0 10.0 127.).10.72).10.72	0	- 10.0.10.1	I	boxnet	
TABLE Table	S I Src Filte Table Table 10.1 10.1 127 127	ALL er 5, From main, Fr 0.10.0/25 17.0.0/16 2.0.3.0/24	rom all 5 5 4 4	/25 up up up	direct-bo gateway direct-ke	i-boot ernel ernel	eth0 eth0 vpn0	ce	10.0 10.0 127. 127.).10.72).10.72 .0.3.1	0 0 0	- 10.0.10.1		boxnet	
TABLE Table	S / Src Filte Table Table 10. 10. 127 127 127 127 127	ALL er 5, From 0.10.0/25 17.0.0/16 7.0.3.0/24 7.0.3.0/24	rom all 5 6 4 4 24	725 up up up up	direct-bo gateway direct-ke direct-ke	ernel ernel pot	eth0 eth0 vpn0 vpnr0	ce	10.0 10.0 127. 127. 172.	0.10.72 0.10.72 .0.3.1 .0.3.1	0 0 0 0 0	- 10.0.10.1 -		boxnet DESK	E
TABLE Table	S * / Src Filte Table Table 10. 10. 127 127 127 127 62.5	ALL 5, From main, Fr 0.10.0/25 17.0.0/16 17.0.3.0/24 10.3.0/24 2.16.0.0/2 99.0.0/24	rom all 5 6 4 4 24	/25	direct-bo gateway direct-ke direct-ke direct-bo	ernel ernel pot	eth0 eth0 vpn0 vpnr0 eth3	ce	10.0 10.0 127. 127. 172.	0.10.72 0.10.72 0.3.1 0.3.1 16.0.240	0 0 0 0	- 10.0.10.1 - -		boxnet DESK HQ-DMZ	E
TABLE	S - / Src Filte Table 10. 10. 10. 127 127 127 127 62. Table	ALL 5, From main, Fr 0.10.0/25 17.0.0/16 2.0.3.0/24 2.16.0.0/2 99.0.0/24 HQISP1	rom all 5 5 4 4 4 24 4	/25	direct-bo gateway direct-ke direct-ke direct-bo	ernel ernel pot	eth0 eth0 vpn0 vpnr0 eth3	ce	10.0 10.0 127. 127. 172.	0.10.72 0.10.72 0.3.1 0.3.1 16.0.240	0 0 0 0	- 10.0.10.1 - -		boxnet DESK HQ-DMZ	E



Interface/IPs Tab

To view information on network interfaces and the IP addresses that are assigned to them, click the **Interfaces/IP** tab.

Interfaces/IPs IPs Interfaces	Proxy ARPs AR	Ps Statistics OSPF RIP BGP Switch Info IPv6 ND Cache							
Interface/IP	Label	Ping MAC of duplicate IP Info							
🖃 📩 eth0, Speed=10000Mb/s, Duplex=Full									
10.0.10.72/25	mip0	ok -							
10.0.10.73/32	VS1	ok ·							
🚊 嚞 eth1, Speed=10000	Mb/s, Duplex=F		E						
62.99.0.21/32	VS1	ok ·							
O 📩 eth2									
🚊 嚞 eth3, Speed=10000									
	VS1	ok ·							

In this table, information about each interface is organized into the following columns:

• Interface/IP – The network interface names and their assigned IP addresses. For Ethernet network adapters, additional information on speed and duplex settings is also displayed. To expand and collapse the list of IP addresses with corresponding netmasks (inverted CIDR notation), double-click the interface name. The network interface type and network connection status are indicated by the following icons:

Netw	ork Interface Type Icons	Notw	ork Connection Status Icons		
lcon	Description	Icon Description			
4	Ethernet network adapter.		Up.		
\$	Loopback Interface.	0	Not enabled.		
	• Barracuda Netwokrs queuing interface (used for traffic shaping).		WWAN signal strength: no connection.		
*	 DHCP interface, used for xDSL/DHCP connections. gre0, used for IP-to-IP tunnelling. 		WWAN signal strength: RSSI value below 10.		
	Tap interface (internal interface for SYN proxying & VPN.		WWAN signal strength: RSSI value from 21 to 31.		
•==•	Tunnel Interface.	8	Down or duplicate.		

• Label – A label is available for every interface that is 'up' (green icon). Multiple predefined labels are available, such as:

- $\circ~\mbox{mip0}$ for the primary administrative network of the box.
- $\circ~$ **loop** for the loopback interface 127.0.0.1/24.
- $\circ~$ fw for network 127.0.1.1/24 on interface tap0.
- **vpn** for network 127.0.2.1/24 on interface tap1.



 $\circ~\textbf{vpnpers}$ – for network 127.0.3.1/24 on interface tap3.

Additional networks are named according to the label name in the network in the configuration file/dialog.

- **Ping** This column indicates whether the corresponding IP address is configured to reply to pings (**ok**) or not (**NO**).
- MAC of duplicate IP If an IP address is used twice, the MAC address of the other interface is displayed in this column.
- Info Contains additional information, if applicable.

IPs Tab

To monitor your networks, click the **IPs** tab. A list of your network addresses is displayed in the top table.

Interfaces/IPs IPs Interf	aces Proxy A	ARPs ARPs	Statis	tics	OSPF	: RIP	BGP	Switch Info	IPv6 ND Ca	iche
IP	State	Interface		Ping	1	MAC of du	plicate IP			
📀 10.0.10.72/25	up	eth0:mip0		ok		-				
📀 10.0.10.73/32	up	eth0:VS1		ok		-				
62.99.0.21/32	up	eth1:VS1		ok		-				
📀 127.0.0.1/8	up	lo:loop		ok		-				
📀 127.0.3.1/24	up	vpn0,vpnr0		ok		-				
172.16.0.240/32	up	eth3:VS1		ok		-				

Information about each network address is organized into the following columns:

- **IP** The network address.
- **State** The status of the network.
- **Interface** The interface that the network is assigned to. The interface name is displayed, followed by a colon and the interface label. E.g., <u>eth0:mip0</u>
- **Ping** This column indicates whether the corresponding IP address is configured to reply to pings (**ok**) or not (**NO**).
- MAC of duplicate IP If an IP address is used twice, the MAC address of the other interface is displayed in this column.

Changing Display Order Upon Selected Sort Criterion

By default, **IPs** are displayed in ascending order. This is indicated by the blue highlighted category label. The small triangle indicates the sort order of the displayed table entries, which can be either



ascending or descending.

To change the sort order, click on the corresponding label of a table category.

Reordering Columns in the IPs Table

To reorder the columns in the process table, drag and drop the column header to your desired position.

Selecting Categories for Display in IPs Table

You can customize the categories of the columns shown in the IPs table.

- 1. Right-click in the display area of the **IPs** table.
- 2. In the pop-up menu, click **Select Columns...**.
- 3. From the **Available Columns** table, select the category that you want to be displayed in the table.
- 4. Click on the > button to move the information field from the column Available Columns to the Current Columns. Entries in the table Current Columns will be displayed in the list order. Click on the < button to remove the category from the values to be displayed.</p>
- 5. Click **Close** to apply the changes.

Select Columns			—						
Select Columns Select the columns that you would like to make visible in this folder. Use the Move Up and Move Down buttons to reorder the columns.									
Available Columns: MAC of duplicate IP		iurrent Columns: P State nterface Ping	Close Cancel Reset						



Interfaces Tab

To view the settings for your network interfaces, click the **Interfaces** tab.

Interfaces/IPs	IPs Interfaces	Proxy ARPs	ARPs Sta	tistics 0	SPF F	RIP B	GP Swi	tch Info IP	v6 ND Ca	ache		
Interface	MAC	Link	Speed	Duplex	Neg.	MTU	bit/s	Packets	Errors	Trust Level	Flags	Features
👗 eth0	00:0c:29:d0:40:8e	up	10000Mb/s	Full	off	1500	9.9 K	1	0	intern	UP BROADCAST	HW-CSU
👗 eth1	00:0c:29:d0:40:98	up	10000Mb/s	Full	off	1500	0.0	0	0	extern	UP BROADCAST	HW-CSU
🕕 📩 eth2	00:0c:29:d0:40:a2	DOWN			off	1500	0.0	0	0	unknown	BROADCAST	HW-CSU
📥 eth3	00:0c:29:d0:40:ac	up	10000Mb/s	Full	off	1500	0.0	0	0	dmz	UP BROADCAST	HW-CSU
🗢 lo	00:00:00:00:00:00	up				3500	13.0 K	2	0	opsys	UP LOOPBACK	SG/IO N.
📥 vpn0	00:00:00:00:00:00	up				1398	0.0	0	0	fwypn	UP NOARP	
📥 vpnr0	00:00:00:00:00:00	up				1398	0.0	0	0	fwypn	UP BROADCAST	
•	III											Þ

A list of your interfaces is displayed in the top table. Information about each interface is organized in the following columns:

- **Interface** The interface name. If the link of an interface is down, this is indicated by a grey icon and the keyword 'DOWN' in the **Link** column.
- MAC The unique MAC address for the interface.
- Link Indicates whether the interface is physically connected.
- **Speed** For adapters, the maximum transfer rate in Mbit/s.
- **Duplex** The duplex settings of the NIC (Half or Full).
- Neg. Indicates if auto-negotiation is on or off.
- MTU The Maximum Transmission Unit (MTU) of the NIC.
- **Bytes** The byte throughput, which is calculated by the average number of bytes/s (obtained from a 10-second sampling interval) passing through the interface.
- **Packets** The packet throughput, which is calculated by the average number of packets/s (obtained from a 10-second sampling interval) passing through the interface.
- **Errors** The total number of errors, which is calculated by the average number of all errors on the interface (obtained from a 10-second sampling interval).
- Trust Level The Trust Level.
- Flags The following entries are possible:
 - $\circ~\textbf{UP}$ The interface is up.
 - **BROADCAST** Broadcast active.
 - **LOOPBACK** Loopback active.
 - **NOARP -** ARP requests will not be responded.
 - **POINT-TO-POINT** Used for PPTP.
 - **PROMISC** Accepts every packet, regardless of whether the MAC address matches.
- Features The following entries are possible:
 - **SGI/O 0** Gather Input/Output (DMA).
 - **NOCSUM** No checksum required.



- **HWCSUM** Interface is capable of hardware checksum.
- **IPCSUM** Interface is capable of checksum for IP packets.
- **HW-VLAN-TX** Interface is capable of VLAN tagging transmits.
- **HW-VLAN-RX** Interface is capable of VLAN tagging receives.
- **HIGH-DMA** I/O memory above 64 K.
- **DYNALLOC** Used for virtual interfaces.
- IRQ The IRQ number (ReQuest line) for each interface.
- Base-Addr The I/O port address.
- Switch The switch, if configured.

Changing Display Order upon Selected Sort Criterion

By default, interfaces are displayed in ascending order. This is indicated by the blue highlighted category label. The small triangle indicates the sort order of the displayed table entries, which can be either ascending or descending.

To change the sort order, click on the corresponding label of a table category.

Reordering Columns in the Interfaces Table

To reorder the columns in the process table, drag and drop the column header to your desired position.

Selecting Categories for Display in the Interfaces Table

You can customize the categories of the columns shown in the **Interfaces** table.

- 1. Right-click in the display area of the **Interfaces** table.
- 2. In the pop-up menu, click **Select Columns...**.
- 3. From the **Available Columns** table, select the category that you want to be displayed in the table.
- 4. Click on the > button to move the information field from the column Available Columns to the Current Columns. Entries in the table Current Columns will be displayed in the list order. Click on the < button to remove the category from the values to be displayed.</p>
- 5. Click **Close** to apply the changes.



Select Columns	Select Columns								
Select Columns Select the columns that you would like to make visible in this folder. Use the Move Up and Move Down buttons to reorder the columns.									
Available Columns: Info Uplinks Port VLan Switch	Current Colu Interface MAC Link Speed Duplex Neg. MTU bit/s Packets Errors Realm Flags Features	Imns:	Close Cancel Reset						

Proxy ARPs Tab

Proxy ARPs are additional IP addresses/netmasks that the firewall responds to. To view the list of proxy ARPs, click the **Proxy ARPs** tab.

Interfaces/IPs IPs	Interfaces	Proxy ARPs	ARPs	Statistics	OSPF	RIP	BGP	Switch Info	IPv6 ND Cache
IP/Mask	Interfa	ice	Orig	jin	Exclude	е	So	ource Restrictio	n
📀 10.0.10.88/32	match		FW						
172.31.0.0/24	match	match		FW		172.31.0.0/29			

In the **Proxy ARP** table, information about each proxy ARP is organized into the following columns:

- IP/Mask The IP addresses/netmasks.
- Interface The interface where the IP address/netmask resides.
- Origin The origin of the proxy ARP (by whom it is created).
- **Exclude** The networks that are excluded from proxy APR creation.
- Source Restriction The network addresses to which the proxy ARP request has been limited.

Changing Display Order upon Selected Sort Criterion



By default, **Proxy ARPs** entries are displayed in ascending order. This is indicated by the blue highlighted category label. The small triangle indicates the sort order of the displayed table entries, which can be either ascending or descending.

To change the sort order, click on the corresponding label of a table category.

Reordering Columns in the Interfaces Table

To reorder the columns in the process table, drag and drop the column header to your desired position.

Selecting Categories for Display in the Proxy ARPs Table

You can customize the categories of the columns shown in the **Proxy ARPs** table.

- 1. Right-click in the display area of the **Proxy ARPs** table.
- 2. In the pop-up menu, click on **Select Columns...**.
- 3. From the **Available Columns** table, select the category that you want to be displayed in the table.
- 4. Click on the > button to move the information field from the column Available Columns to the Current Columns. Entries in the table Current Columns will be displayed in the list order. Click on the < button to remove the category from the values to be displayed.</p>
- 5. Click **Close** to apply the changes.



Select Columns			x						
Select Columns Select the columns that you would like to make visible in this folder. Use the Move Up and Move Down buttons to reorder the columns.									
Available Columns: Source Restriction	<mark>IP/N</mark> Inter Orig	ent Columns: <mark>4ask</mark> fface in lude	Close Cancel Reset						

ARPs Tab

The Address Resolution Protocol (ARP) is needed for translating an IP address into a physical address. To view the list of ARP requests, click the **ARPs** tab.

Interfaces/IPs IP	s Interfaces Proxy ARPs ARPs	Statistics OSPF RIP BGP Switch Info IPv6 ND Ca	che
IP Â	MAC	Vendor	Interface
📀 10.0.10.37	00:0c:29:ae:bc:67	VMware,-Inc.	eth0
📀 10.0.10.38	00:0c:29:ae:bc:67	VMware,-Inc.	eth0
📀 10.0.10.77	00:50:56:11:11:a0	VMware,-Inc.	eth0
🥝 10.0.10.84	00:0c:29:85:3f:23	VMware,-Inc.	eth0
📀 10.0.10.100	00:0c:29:b3:24:d1	VMware,-Inc.	eth0
62.99.0.41	00:0c:29:85:3f:4b	VMware,-Inc.	eth1
62.99.0.254	00:0c:29:e0:4a:fe	VMware,-Inc.	eth1
•			4

In the **ARPs** table, information about each ARP is organized into the following columns:

- **IP** The IP addresses that were used.
- MAC The MAC address of each assigned IP address.
- **Vendor** The manufacturer of the network interface.
- **Interface** The interface.

Changing Display Order upon Selected Sort Criterion



By default, ARP entries are displayed in ascending order. This is indicated by the blue highlighted category label. The small triangle indicates the sort order of the displayed table entries, which can be either ascending or descending.

To change the sort order, click on the corresponding label of a table category.

Reordering Columns in the Interfaces Table

To reorder the columns in the process table, drag and drop the column header to your desired position.

Selecting Categories for Display in the ARPs Table

You can customize the categories of the columns shown in the **ARPs** table.

- 1. Right-click in the display area of the **ARPs** table.
- 2. In the pop-up menu, click **Select Columns...**.
- 3. From the **Available Columns** table, select the category that you want to be displayed in the table.
- 4. Click on the > button to move the information field from the column Available Columns to the Current Columns. Entries in the table Current Columns will be displayed in the list order. Click on the < button to remove the category from the values to be displayed.</p>
- 5. Click **Close** to apply the changes.



Select Columns								
Select Columns Select the columns that you would like to make visible in this folder. Use the Move Up and Move Down buttons to reorder the columns.								
Available Columns: Uplinks Port	<	Current Columns: MAC Vendor Interface Switch VLan	Close Cancel Reset					

Statistics Tab

Shows statistics about the routing and ARP cache utilization of the firewall. This information can be useful when optimizing the size of the routing and ARP cache. For more information, see <u>How to</u> <u>Configure Advanced Barracuda OS System Settings</u>

Interfaces/IPs IPs Interfaces	Proxy ARPs ARPs	Statistics	OSPF	RIP	BGP	Switch Info	IPv6 ND Cache
Key	Value						
🕐 Data Pending	please wait						
Route-Cache-Usage	833 (max 4096) 2	0%					
Route-Inbound-Hits	30 per second						
Route-Inbound-Lookups	17 per second						
Route-Outbound-Hits	8 per second						
Route-Outbound-Lookups	0 per second						
ARP							
ARP-Cache-Usage	18 (max 8192)0%						
ARP-Hits	18 per second						
ARP-Lookup	62 per second						

OSPF, RIP, and BGP Tabs



Interfaces/IPs IPs	Interfaces	Proxy ARPs	ARPs	Statistics	OSPF	RIP	BGP	Switch Info	IPv6 ND Cache
Interface/Neighbour		Prio	State		Dead Tir	me	Addr	ess	Interface
Neighbour-192	.168.20.2	1	ExStart/	DR	33.067s	:	192.	168.20.2	vpnr20:192.168
🗉 🕕 📥 Interface-	eth0								
🗉 🕕 📥 Interface-	eth1								
🗉 🕕 📥 Interface-	eth2								
🗉 🕕 📥 Interface-	eth3								
🗉 🕕 📥 Interface-	vpn0								
🗉 🕕 📥 Interface-	vpn20								
🗉 🕕 📥 Interface-	vpnr0								
🗄 📀 嚞 Interface-	vpnr20								

Interfaces/IPs	IPs I	nterfaces	Proxy ARPs	ARPs	Statistics	OSPF	RIP	BGP	Switch Inf	o IPv6 N	D Cache	
Network			Next Hop)			Met	ric	Local Pref	Weight	Path	Origin
e AS In	complete	Ð										
	10.0.10.0/	/25	0.0.0.0				0			32768		Incomplete
AS 6	5000											
S N	leighbor:	192.168.	.33.1									
	State: (Connect										
	Up/Do	wn-Time: n	ever									
	Sent M	lessages: O										
	Receiv	ed Messag	jes: O									

If you configured the OSPF, RIP, or BGP service on your system, click the **OSPF**, **RIP**, or **BGP** tab to view information about the neighbors and interfaces.

For more information, see <u>Dynamic Routing Protocols (OSPF/RIP/BGP)</u>.

Switch Info

Only available with a managed layer 3 switch.

IPv6 ND Cache

Displays the content of the IPv6 neighbor discovery cache. For more information, see <u>IPv6</u>.



Interfaces/IPs IPs	Interfaces	s Proxy ARPs	ARPs	Statistics	OSF	FR	IIP	BGP	Swib	ch Info IPv6 ND Cache
IP		MAC				Vend	or		Intei	Switch
📀 2001:470:7501:1::f	ff	00:0c:29:e0:4a:I	fe			VMwa	are,-In	с.	eth1	
📀 2001:db8:1::ffff		00:0c:29:e0:4a:l	fe			VMwa	are,-In	с.	eth1	
📀 fe80::20c:29ff:fee0	4afe	00:0c:29:e0:4a:I	fe			VMwa	are,-In	с.	eth1	
📀 fe80::c12:d026:ba1	:bf99	00:0c:29:7b:53:	0e			VMwa	are,-In	с.	ethC	
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(Azure Firewalls Only) Azure UDR

Server	Network	s 👰 Licenses 📻 Box 👥	Sessions	
erfaces/IPs IPs	Interfaces Proxy ARPs ARPs	Statistics OSPF RIP BGP Switch Info IF	v6 ND Cache Azure UDR	
ble / Route	Prefix	Next Hop Type	Next Hop Gateway	Mode
rt1				
voute1	1.2.3.0/24	VirtualAppliance	192.168.0.20	ASM
mute2	1.2.4.0/25	VirtualAppliance	192.168.0.10	ASM

CloudGen Firewalls in Azure can manipulate the Azure User Defined Routing (UDR) table to change the routing table for the backend VMs in case of a failover. This tab shows the User Defined Routing table that is currently active for this cloud service. Gray routes are routes that do not use a CloudGen Firewall as the destination. A red status indicates that the changes to the routing table are currently in progress.

For more information, see <u>How to Configure a High Availability Cluster in Azure using PowerShell and</u> <u>ARM</u>.

Routing Tables

In the bottom table on the **Network** page, you can view information about your routing tables. If you have not configured policy routing, information is only provided for the main and default tables. Default routes are contained in the default table.



Table / Src Filter	State	Туре	Interface	Src IP	Pref	Gateway	Name
	ocal, From	n all					
Table main	, From all						
Table HQ-	SP1, From	n 62.99.0.0	/24				
0.0.0.0/0) up	gateway	eth1	62.99.0	0	62.99.0	HQ-ISP1a
Table HQ-	SP2, From	n 194.93.0.	0/24				
Table defa	ult, From a	all					
) up	gateway	eth1	62.99.0	100	62.99.0	HQ-ISP1a
) up	gateway	eth2	194.93	200	194.93	HQ-ISP2a

To display information for only certain routing tables, select the table name from the **TABLES** list. Without policy routing activated, all routes except the default routes will go into the main table. Default routes go into the default table. With policy routing activated, additional tables become available as specified in the configuration dialog. In the table, information for each route is organized into the following columns:

- **Table / Src Filter** The routing table name and its routed netmasks. This column lists routing tables by name. To expand and collapse the list of netmasks for a table, double-click the table name.
- State The state of the routing. Available entries are up, down, wild, disabled, and off.
- **Type** The route type:
 - **Direct** Direct routes point to directly connected networks. No next hop is involved. The network is directly accessible via the specified interface.
 - **Gateway** Gateway routes are routes to networks that are only accessible via a next hop. The next hop must be reachable through a direct route.
- Interface The interface through which traffic to the destination network passes.
 For direct routes, the interface must be specified within the network configuration. For gateway routes, it is automatically determined from the available direct routes.
- Src IP The route source IP address. The control daemon automatically picks the most appropriate source address from the pool of available IP addresses unless a source address has been explicitly specified in the network configuration.
- **Pref** The preference of the route, with **0** indicating the highest preference.
- **Gateway** The address of the next hop for gateway routes. For direct routes, this field is left empty (denoted by a single -).
- **Name** The given name of the route. For source-based routes into a VPN tunnel, this field contains the name of the VPN tunnel.

Wild Routes

If you added routes at the command line, or deleted direct and gateway routes with a 'Soft' network activation, you might see routes that are marked as **wild**. These are routes for which there is no corresponding entry in the network configuration file. To delete a wild route, right-click it and select



Delete Wild Route.



Figures

- 1. network_page_00_01.png
- 2. information_display_00.png
- 3. interface_ip_table_00.png
- 4. eth_ico.png
- 5. dir_ico.png
- 6. conn_ico.png
- 7. vpn_ico.png
- 8. two_ico.png
- 9. ok_ico.png
- 10. grey_ico.png
- 11. load0_ico.png
- 12. load1_ico.png
- 13. load5_ico.png
- 14. cross_ico.png
- 15. ip_table_00.png
- 16. select_information_category_00.png
- 17. interfaces_tab_01.png
- 18. select_information_category_01.png
- 19. proxy_arp_table_00.png
- 20. select_information_category_02.png
- 21. arps_tab_00.png
- 22. select_information_category_03.png
- 23. net_stat.png
- 24. net_ospf.png
- 25. BGP_00.png
- 26. IPv6_ND_Cache_00.png
- 27. net_azure.png
- 28. net_table.png

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