Barracuda CloudGen Firewall

IPsec Settings

https://campus.barracuda.com/doc/96026077/

Navigate to the following window on path **CONFIGURATION > Configuration Tree > your box > Assigned Services > VPN Service > VPN Settings > IPsec**.

| Use IPSec dynamic IPs | ☐ |

IKEv1

Timeout	30
Tunnel check interval [s]	5
Dead Peer Detection Interval [s]	5
IKEv1 Log Class	ALL ▼
IKEv1 Log Level	0 ▼
Pre-shared key (PSK)	

IKEv2

Start IKEv2	☑
IKEv2 Make Before Break	☐
IKEv2 Log Class	ALL ▼
IKEv2 Log Level	0 ▼
IKEv2 Suppress Network Change Events	☐

Setting	Value(s) *= default	Description
Use IPsec dynamic IPs	Selected Unselected*	Select the checkbox if the service is connected to the Internet via a dynamic link (dynamic IP address). The server IP address is not yet known at configuration time and IKE then listens to all local IP addresses.

IKEv1

Setting	Value(s) *=default	Description
Timeout	30	The maximum period to wait until the request for IPsec tunnel connection establishment must be approved by the remote peer.

Tunnel check interval [s]	30	The interval between queries for a valid exchange that is assignable to an IPsec tunnel.
Dead Peer Detection Interval [s]	5	Tunnels can be configured to be *Active* or *Passive*. An active tunnel is capable of establishing a connection while a passive tunnel is waiting for a connection request. This parameter sets the interval between keep-alive checks on the remote peer.
IKEv1 Log Class	ALL*	The debug log class of IKEv2. Do not select a log class different than ALL if the log is not required for solving issues.
IKEv1 Log Level	0*	The debug log level of IKE. The debug log may be very "noisy." Do not select a log level greater than *0* if the log is not required for solving an issue.
Pre-shared key (PSK)	-	Holds the pre-shared IKE key.

IKEv2

Setting	Value(s) *=default	Description
Start IKEv2	Selected* Deselected	If selected, IKEv2 will be used. If deselected, IKEv2 will be disabled and some additional memory will be saved.
IKEv2 Make Before Break	Selected Deselected	Selecting this option creates a duplicate of the IKE and all IPsec SAs, and the deletes the old ones. This setting requires that both peers can handle overlapping SAs.
IKEv2 Log Class	All*	The debug log class of IKEv2. Do not select a log class different than ALL if the log is not required for solving issues.
IKEv2 Log Level	0	The debug log level of IKEv2. Do not select a log level greater than 0 if the log is not required for solving an issue.
IKEv2 Suppress Network Change Events	Selected Deselected*	This is an advanced setting. If selected, network interface/address/route changes which may cause an automatic reconnect of the VPN tunnel will be ignored. This parameter becomes active after a restart of the IKEv2 daemon. Restart the VPN service or execute `ipsec restart` in a shell.

Figures

1. vpn_settings_ipsec.png