

# **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
1	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	
Timeout		The maximum period to wait until the request for IPsec tunnel connection establishment must be approved by the remote peer.

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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]	ا	Tunnels can be configured to be <i>Active</i> or <i>Passive</i> . 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.

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## Barracuda CloudGen Firewall



## **Figures**

1. vpn\_settings\_ipsec.png

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