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# OpenVPN

## OpenVPN instances

Below is a list of configured OpenVPN instances and their current state

Name	Enabled	Started	Start/Stop	Port	Protocol	EDIT	DELETE
custom_config	<input type="checkbox"/>	no	<a href="#">START</a>	1194	udp	<a href="#">EDIT</a>	<a href="#">DELETE</a>
gerhard_config	<input type="checkbox"/>	no	<a href="#">START</a>	2295	tcp-client	<a href="#">EDIT</a>	<a href="#">DELETE</a>
gg_client	<input checked="" type="checkbox"/>	yes (6943)	<a href="#">STOP</a>	1194	tcp	<a href="#">EDIT</a>	<a href="#">DELETE</a>
sample_client	<input type="checkbox"/>	no	<a href="#">START</a>	1194	udp	<a href="#">EDIT</a>	<a href="#">DELETE</a>

Client configuration for an ethernet bridge VPN [ADD](#)

[SAVE & APPLY](#) [SAVE](#) [RESET](#)

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## [Overview](#) » Instance "gg\_client"

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verb	<input type="text" value="3"/>	
	Set output verbosity	
nobind	<input checked="" type="checkbox"/>	
	Do not bind to local address and port	
client	<input checked="" type="checkbox"/>	
	Configure client mode	
client_to_client	<input type="checkbox"/>	
	Allow client-to-client traffic	
remote	<input type="text" value="srv01.smartnetvpn.com 2295"/>	<input type="button" value="+"/>
	Remote host name or ip address	
ca	<input type="text" value="Uploaded File (1.45 KB) Datei auswählen Keine ausgewählt"/>	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.ca"/>
	Certificate authority	
cert	<input type="text" value="Uploaded File (1.61 KB) Datei auswählen Keine ausgewählt"/>	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.cert"/>
	Local certificate	
key	<input type="text" value="Uploaded File (1.66 KB) Datei auswählen Keine ausgewählt"/>	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.key"/>
	Local private key	
proto	<input type="text" value="-- remove --"/>	
	Use protocol	

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## [Overview](#) » Instance "gg\_client"

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Configuration category: **Service** | [Networking](#) | [VPN](#) | [Cryptography](#)

### Service

- verb  Set output verbosity
- mlock  Disable Paging
- disable\_occ  Disable options consistency check
- passtos  TOS passthrough (applies to IPv4 only)
- suppress\_timestamps  Don't log timestamps
- fast\_io  Optimize TUN/TAP/UDP writes
- down\_pre  Call down cmd/script before TUN/TAP close
- up\_restart  Run up/down scripts for all restarts
- client\_disconnect  Run script cmd on client disconnection

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### Networking

- float   
Allow remote to change its IP or port
- nobind   
Do not bind to local address and port
- dev tun  
tun/tap device
- ifconfig\_noexec   
Don't actually execute ifconfig
- ifconfig\_nowarn   
Don't warn on ifconfig inconsistencies
- route\_noexec   
Don't add routes automatically
- route\_nopull   
Don't pull routes automatically
- mtu\_test   
Empirically measure MTU
- ping\_timer\_rem   
Only process ping timeouts if routes exist
- persist\_tun   
Keep tun/tap device open on restart
- persist\_key   
Don't re-read key on restart
- persist\_local\_ip   
Keep local IP address on restart
- persist\_remote\_ip   
Keep remote IP address on restart
- management\_query\_passwords   
Query management channel for private key
- management\_hold   
Start OpenVPN in a hibernating state

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### VPN

client	<input checked="" type="checkbox"/>	Configure client mode
pull	<input type="checkbox"/>	Accept options pushed from server
remote	<input type="text" value="srv01.smartnetvpn.com 2295"/>	Remote host name or ip address
remote_random	<input type="checkbox"/>	Randomly choose remote server
proto	<input type="text" value="-- remove --"/>	Use protocol
http_proxy_retry	<input type="checkbox"/>	Retry indefinitely on HTTP proxy errors
resolv_retry	<input type="text" value="infinite"/>	If hostname resolve fails, retry

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### Cryptography

cipher	<input type="text" value="AES-256-CBC"/>		
	Encryption cipher for packets		
mute_replay_warnings	<input type="checkbox"/>		
	Silence the output of replay warnings		
tls_server	<input type="checkbox"/>		
	Enable TLS and assume server role		
tls_client	<input type="checkbox"/>		
	Enable TLS and assume client role		
ca	Uploaded File (1.45 KB) <input type="button" value="Datei auswählen"/>	Keine ausgewählt	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.ca"/>
	Certificate authority		
cert	Uploaded File (1.61 KB) <input type="button" value="Datei auswählen"/>	Keine ausgewählt	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.cert"/>
	Local certificate		
key	Uploaded File (1.66 KB) <input type="button" value="Datei auswählen"/>	Keine ausgewählt	<input type="text" value="/etc/luci-uploads/cbid.openvpn.gerhard_config.key"/>
	Local private key		
single_session	<input type="checkbox"/>		
	Allow only one session		
tls_exit	<input type="checkbox"/>		
	Exit on TLS negotiation failure		
auth_nocache	<input type="checkbox"/>		
	Don't cache --askpass or --auth-user-pass passwords		

```
1:
2: config openvpn 'custom_config'
3:   option config '/etc/openvpn/my-vpn.conf'
4:
5:
6: config openvpn 'gg_client'
7:   option client '1'
8:   option dev 'tun'
9:   option proto 'tcp'
10:  list remote 'srv01.smartnetvpn.com 2295'
11:  option cipher 'AES-256-CBC'
12:  option resolv_retry 'infinite'
13:  option nobind '1'
14:  option persist_key '1'
15:  option persist_tun '1'
16:  option user 'nobody'
17:  option ca '/etc/luci-uploads/cbid.openvpn.gerhard_config.ca'
18:  option cert '/etc/luci-uploads/cbid.openvpn.gerhard_config.cert'
19:  option key '/etc/luci-uploads/cbid.openvpn.gerhard_config.key'
20:  option compress 'lzo'
21:  option verb '3'
22:  option enabled '1'
23:
```