

OpenVPN Bridges

Configure RADIUSdesk, MESHdesk and APdesk

- We assume you already prepared the a server with OpenVPN and CoovaChilli as directed by the previous steps.
- The final bit will be to bind them together on the RADIUSdesk side.

The OpenVPN Servers Manager Applet

- This applet can be found under the **Others** section.
- It is used to ease the management of OpenVPN Tunnels that can be used with MESHdesk and APdesk.
- Again the initial creation of the OpenVPN server entries can be tedious, but once is is completed, the rest is plain sailing.
- We will cover the each of the three new entries here in tables instead of screenshots which will make it easy for you to copy and paste.

Add entry for OpenVPN on br0.101

General

Item	Value	Comment
Name	Jhb-South-1	
Description	Serving Nandos	

VPN Basic

Item	Value	Comment
Local / Remote	Remote	Remote if not on RD server
Protocol	UDP	
IP Address	198.27.111.78	Public IP of OpenVPN server
Port	1194	Double check you have the correct port here
Config Preset	Default	In future we might have more

VPN IPs

Item	Value	Comment
Gateway IP	10.101.0.1	As defined in OpenVPN server
Bridge Start IP	10.101.0.101	The next IP after 10.101.0.100
Bridge Mask	255.255.0.0	The mask used by OpenVPN

Certs etc

Item	Value	Comment
Ca.crt	<cert text here>	ca.crt File used by OpenVPN server

Add entry for OpenVPN on br0.102

General

Item	Value	Comment
Name	Jhb-South-2	
Description	Serving KFC	

VPN Basic

Item	Value	Comment
Local / Remote	Remote	Remote if not on RD server
Protocol	UDP	
IP Address	198.27.111.78	Public IP of OpenVPN server
Port	1195	Double check you have the correct port here
Config Preset	Default	In future we might have more

VPN IPs

Item	Value	Comment
Gateway IP	10.102.0.1	As defined in OpenVPN server
Bridge Start IP	10.102.0.101	The next IP after 10.102.0.100
Bridge Mask	255.255.0.0	The mask used by OpenVPN

Certs etc

Item	Value	Comment
Ca.crt	<cert text here>	ca.crt File used by OpenVPN server

Add entry for OpenVPN on br0.103

General

Item	Value	Comment
Name	Jhb-South-3	
Description	Serving Steers	

VPN Basic

Item	Value	Comment
Local / Remote	Remote	Remote if not on RD server
Protocol	UDP	
IP Address	198.27.111.78	Public IP of OpenVPN server
Port	1196	Double check you have the correct port here
Config Preset	Default	In future we might have more

VPN IPs

Item	Value	Comment
Gateway IP	10.103.0.1	As defined in OpenVPN server
Bridge Start IP	10.103.0.101	The next IP after 10.103.0.100
Bridge Mask	255.255.0.0	The mask used by OpenVPN

Certs etc

Item	Value	Comment
Ca.crt	<cert text here>	ca.crt File used by OpenVPN server

Using the OpenVPN server entries in MESHdesk and AP desk

- After we completed the addition of the entries we can now select an existing Mesh or AP Profile to add it as an exit point.
- Alternatively these exit point will also be available for newly created Meshes or AP Profiles.



- The OpenVPN column is hidden by default
- You have to first un-hide it in order for it to be displayed subsequently.

- See the attached screenshot as reference:

[Edit MESH](#)

ptime	Last 24 Hours	Avail	⚙️ Config Fetched	♥️ Heartbeat Received	OpenVPN Connections	Internet Connection	Actions
1:22	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%; height: 100%; background-color: red;"></div></div>	●	13 hours ago	55 seconds ago	Jhb-South-1 <small>Tested up 56 seconds ago</small>	📶 LAN	🔧 ⌚ ⏻

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Last update: **2023/10/24 05:01**

