

# 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 **Tools** menu.
- 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
Owner	(Logged in user)	
Name	US-East1	
Description	Serving Starbucks Coffee	
Also show to sub providers	(Checked)	

### 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

Item	Value	Comment
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
Owner	(Logged in user)	
Name	US-East2	
Description	Serving Subway	
Also show to sub providers	(Checked)	

### 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
Owner	(Logged in user)	
Name	US-East3	
Description	Serving Outback Steakhouse	
Also show to sub providers	(Checked)	

## 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:

The screenshot shows the 'Access Point Management' interface. At the top, there are tabs for 'Access Point Profiles', 'Attached Devices', 'Detached Devices', and 'Hotel California'. Below the tabs is an 'Action' bar with icons for refresh, dropdown, add, delete, edit, search, settings, and power. A table lists devices with columns for Profile, Name, MAC Address, Last contact, From IP, and OpenVPN Connections. The first row shows 'Hotel California' profile, 'OpenVPN-1' name, a MAC address, a last contact of '56 seconds ago', a location of 'Bloemfontein (9300) South Africa (ZA)', and 'US-East1' connection. Below the table, a detailed view for 'OpenVPN-1' (ZBT WE1526) is shown, including a 'DEVICE INFORMATION (for the past hour)' section with status: Online (last check-in 56 seconds ago ago), Hotel California had 1 users, Test had 0 users, Public IP 197.82.220.198, Data usage 343.66K, and Last connection from which was 56 seconds ago (Shanghai # Shanghai Jing Ren Electronic Technology Co., Ltd.).

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