iQuila Guide to
iQuila Enterprise Virtual Bridge Appliance

iQ22112r1

This Document Applies to:

iQuila Enterprise

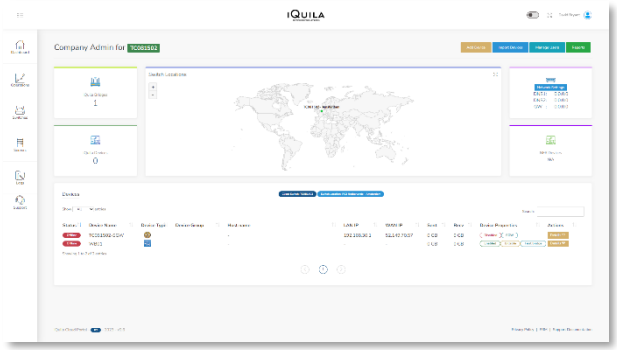
Contents

Creating and downloading a VMWare Bridge.

Log into the iQuila Cloud Portal.

https://cloud.iquila.com

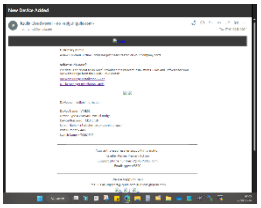
Select Add Device link at the top right of the page.



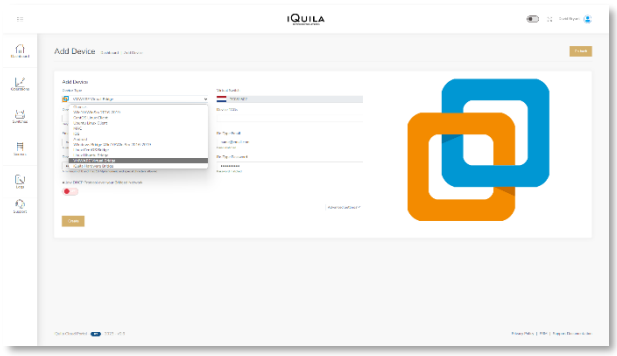
Select VMWare Bridge from the dropdown list.

Give the Device a name. Tag is optional.

Enter an Email address is to receive detail on this device. (optional)



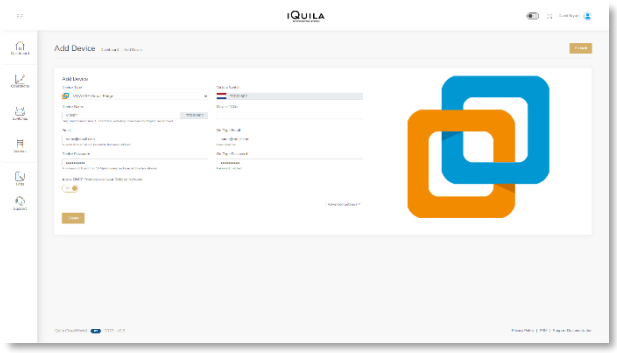
Please make a note of the device details if you do not want an email sent as these are required later.



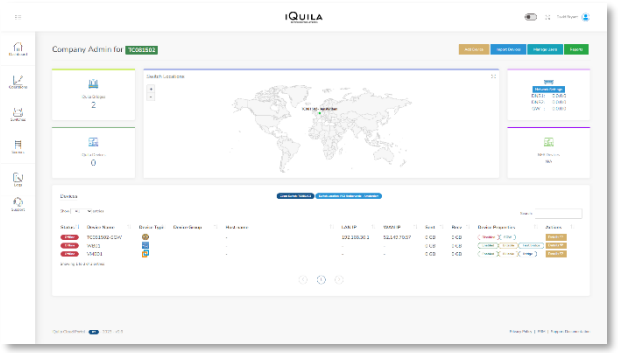
Enter a Password (mandatory)

Select Allow DHCP Protocol over your Bridged Network.

Select Create



Your VMWare Bridge will now show with all your other devices.

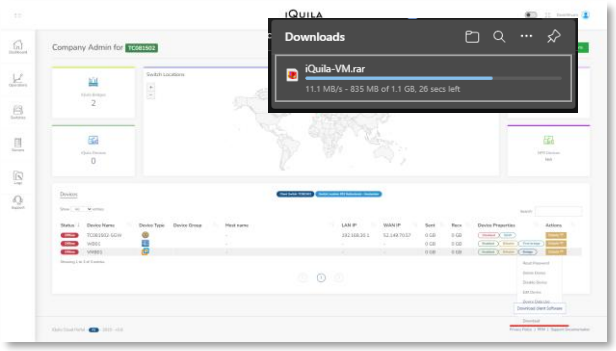


Download the OVF Template to install the Bridge on VMWare.

Right click on Device Details > Select Download.

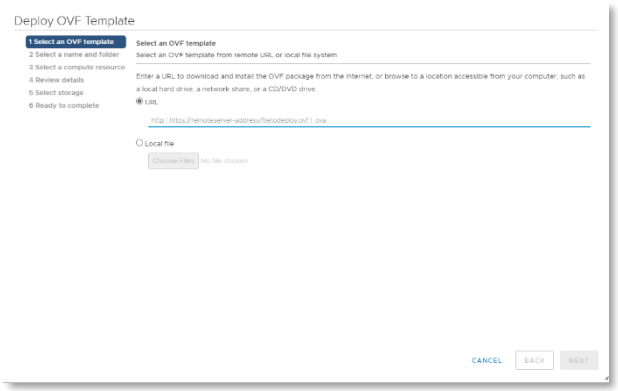
The .rar file will begin downloading. Save to a location of your choice.

The same download can be done via the email.



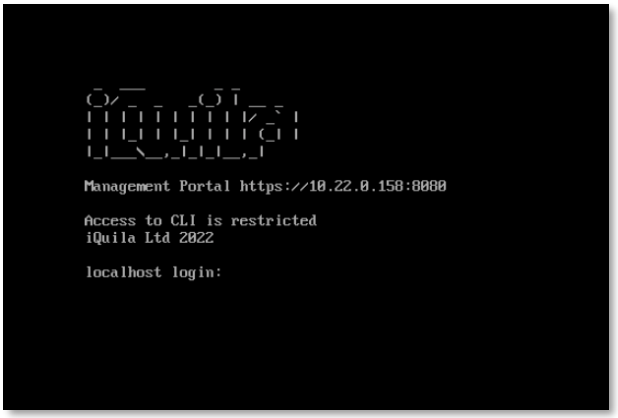
Once downloaded you need to extract the 4 files from the .rar and place them in a location ready to install.

Installation is done via the Deploy OVF Template method in the VMWare Host.



When installation as finished power on the device, open the view in console option to see the devices booting.

At the login screen you will see the IP address of the Management Portal. Make a note of this IP address.



First Time Setup and Managing the Bridge.

Open a web browser, enter the IP address https://ipaddress:8080 to access the web management console.

Log into the Management Portal with:

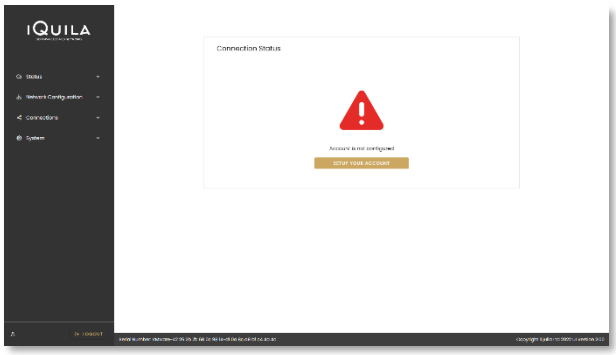
Console

!console

First time setup you will be asked to setup your account. This is the details of the VMWare Bridge device that you just created.

Select Setup your account.

Device details are required from this point.

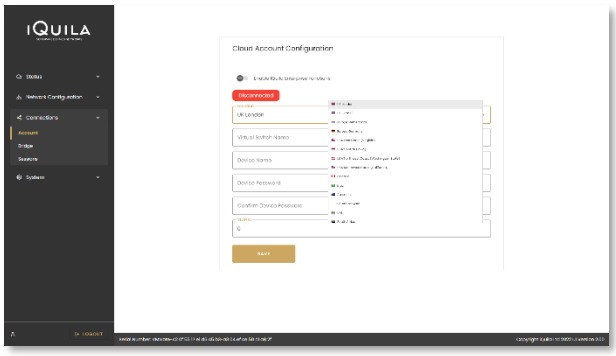


Select Locations from dropdown list.

Enter the iQuila Switch name.

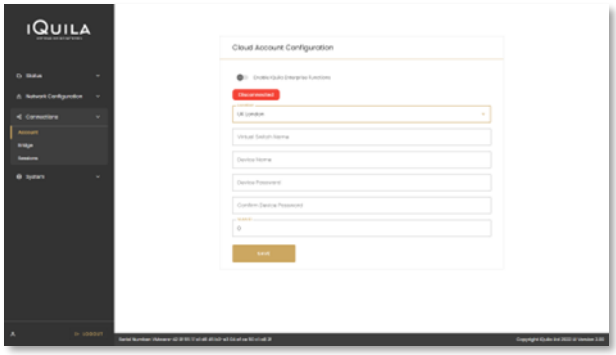
Enter the Bridge name in Device name.

Enter the Password of the Bridge.



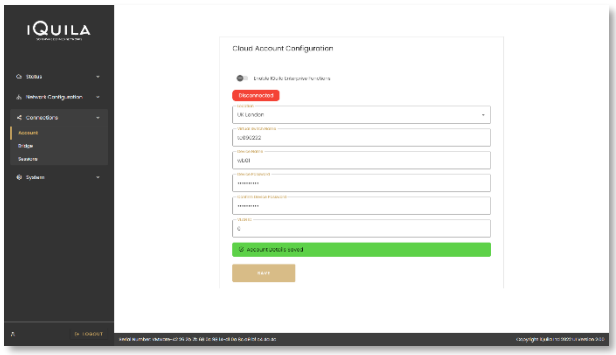
Leave VLAN on 0 (zero) unless there is a reason to change (advance user setting)

Select Save



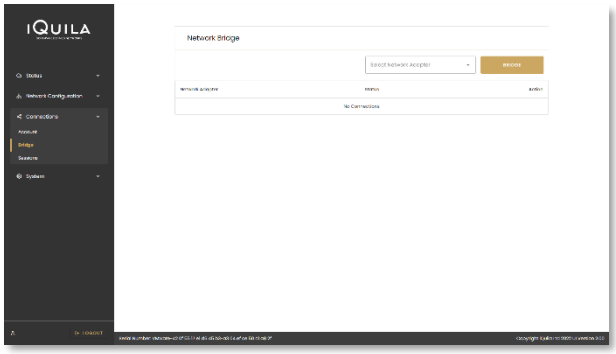
A Green banner will show if the details have been entered correctly.

The page will automatically change to the Network Bridge page for the next first-time setup.



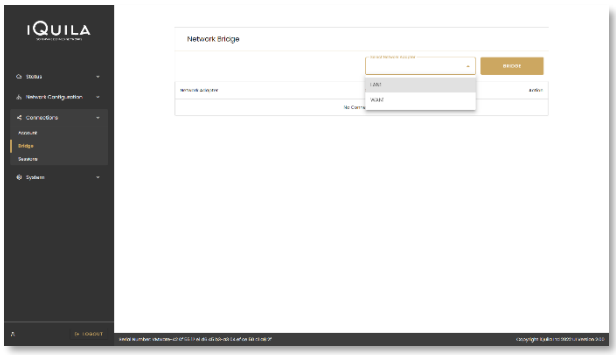
Creating a Bridge Connection.

This page is where you now bridge your network.



From the dropdown list select the network interface that you wish to bridge.

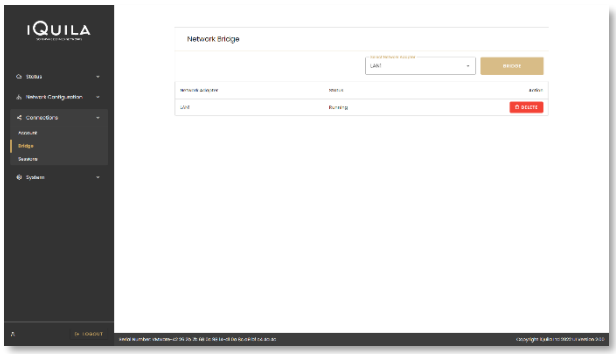
Then select BRIDGE.



This adds the interface to the Network Adapter section.

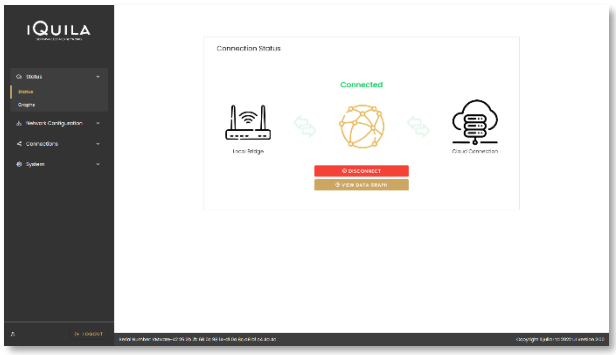
After a few seconds you will be automatically taken to the STATUS page.

If you require more network interfaces to be bridged, go back to the Connections > Bridge section and add the other interfaces.



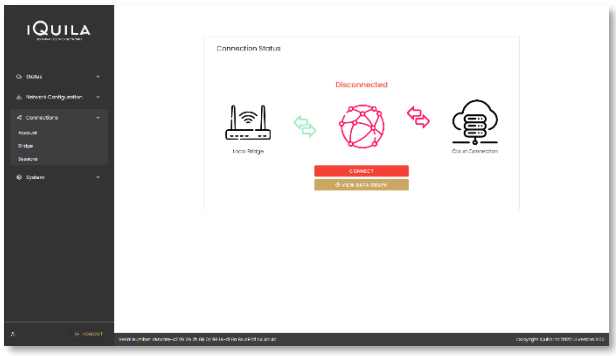
On first time setup after you setup the first bridged interface you will be relocated to the STATUS page.

Here the Local Bridge is showing Green to indicate connected.

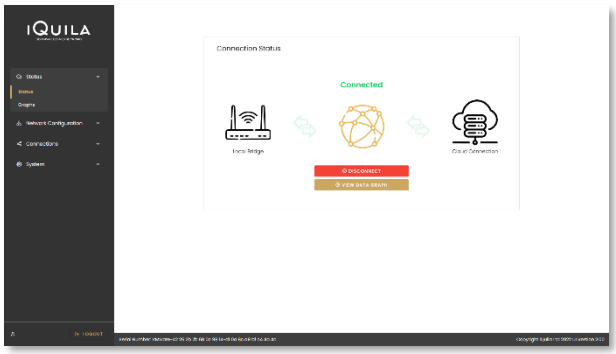


First Time Setup is now completed, and the Bridge is ready to connect to the iQuila switch.

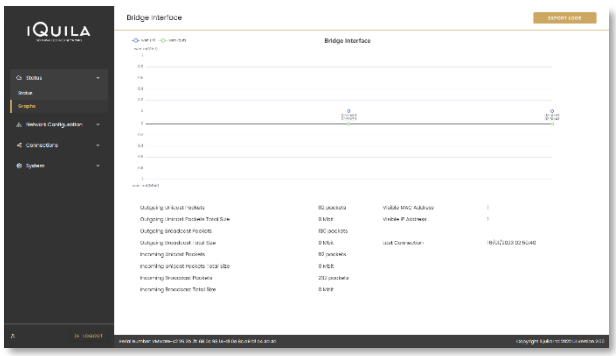
Select CONNECT.



The bridge is now connected, and the network is now bridged.



Selecting the View Data Graph will display a live readout of the current network traffic over the bridged interface.

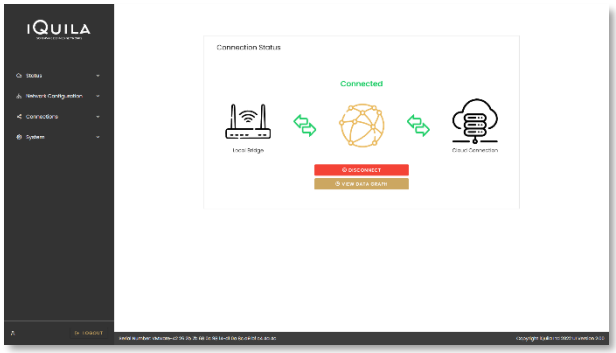


The Options Menu.

Status

Status.

- Main landing page displaying the connection status of the Bridge with the iQuila Switch.



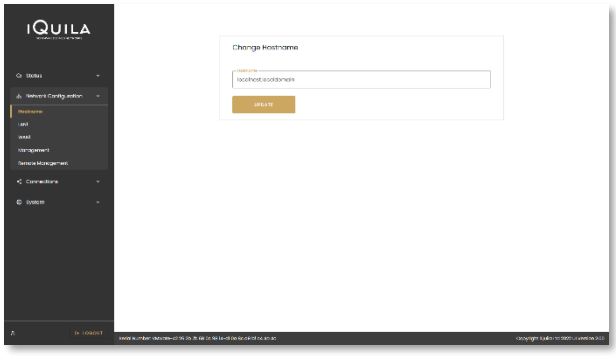
View Date Graph.

- Live view of Data traffic across the interface

Network Configuration

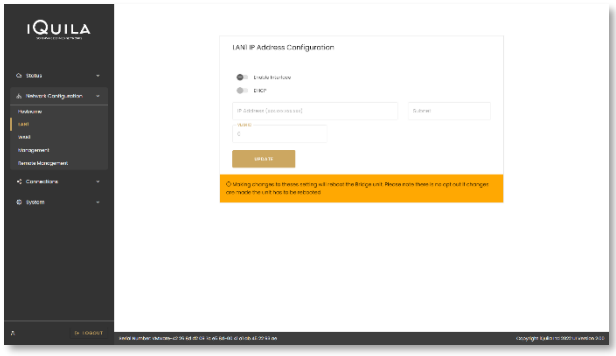
Hostname.

- Change the new Hostname of this Bridge device and select UPDATE.
- A reboot will be required for the change to take effect.

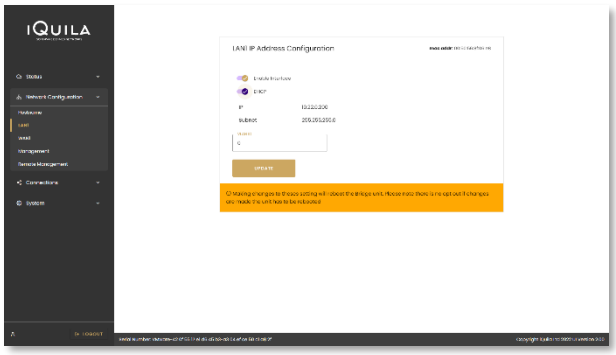


LAN1

- This interface is used primary to connect the network interface to be bridged. It is disabled by default.
- Enabling the interface will require a static IP address to be entered.

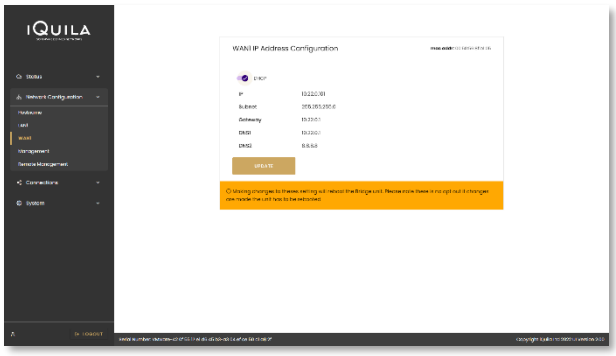


- Selecting DHCP displays the current DHCP assigned IP Address.
- To make a change select UPDATE.
- Please note this change will require the device to reboot for changes to take effect.

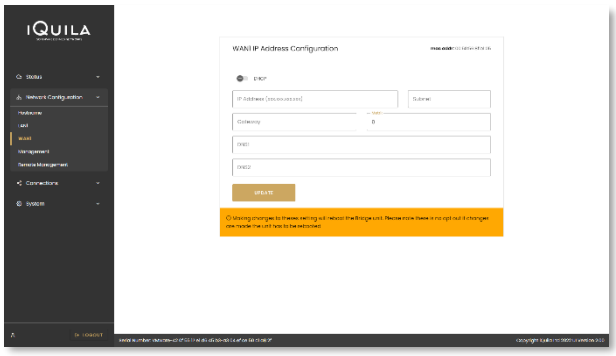


WAN1

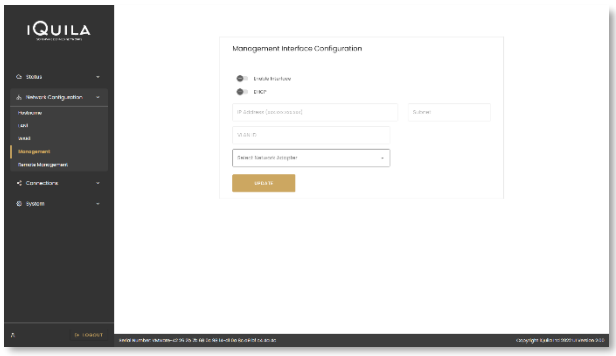
- The Main interface connecting to the internet. This is set on DHCP by default and can be changed to a static IP address if required.



- Move the slider to the right and enter your static IP address details.
- Select UPDATE.
- Please note this change will require the device to reboot for changes to take effect

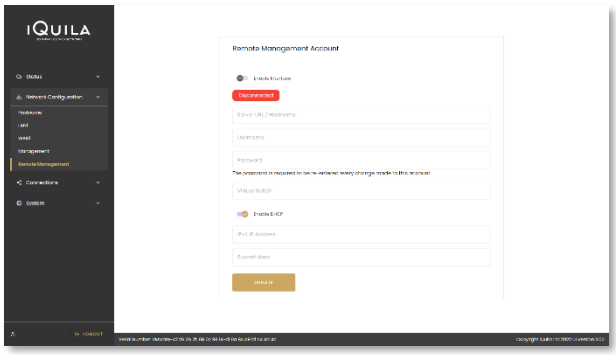


Management Interface Configuration



The Management Interface allows the ability to create a iQuila management interface using a VLAN ID, on one of the interfaces used for routing, such as WAN, first, you will need to Tag the VLAN you would like to use on your network switch.
To enable this feature then select Enable Interface, if you have chosen to use DHCP, and would like to obtain a IP address from your VLAN ID network Interface, enable the DHCP option, if you would like to manually enter an IP address, enter an IP address and subnet mask for the network you will be using,
In the VLAN ID box, Enter the VLAN Tag ID you tagged to the interface, then select from the dropdown the network interface you tagged the VLAN
To save, select Update, the iQuila unit will now reboot and management will be available on the network you have added.
(please do not add a VLAN interface to a iQuila Bridged Interface)

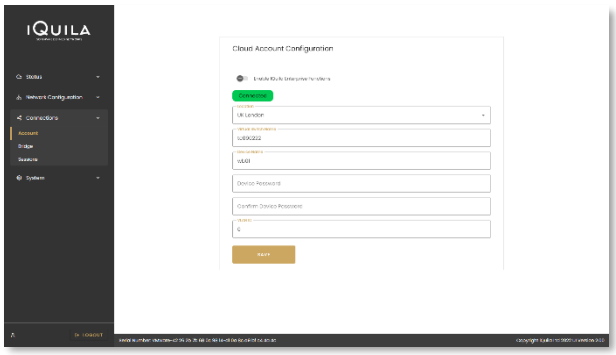
Remote Management



- This interface is for iQuila support to connect for fault and reconfiguration purposes.

Connections

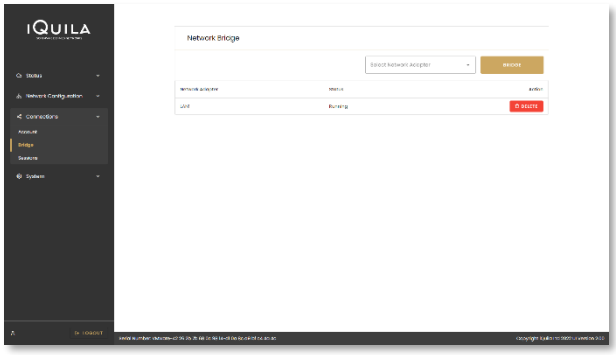
Account



Shows the Connection state of the account.

- You can select two types of account connection. Cloud or Enterprise.
- Enter the account details of the device.
- Select Save. If the account details are correct, then disconnected will turn Green/Connected when used in conjunction connect on the Status page.

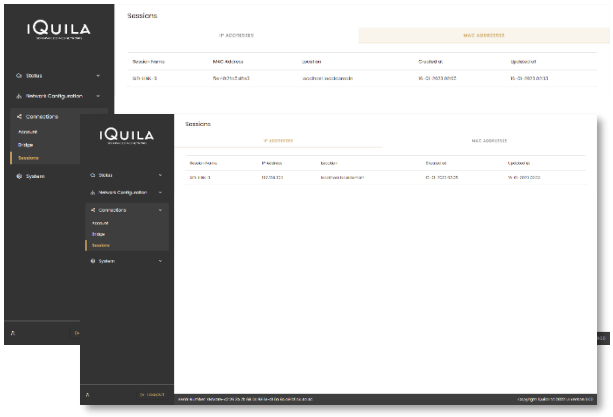
Bridge



Allows the selection of multiple network interfaces to bridge different networks together.

- Select an interface from the dropdown list.
- Select Bridge to add the interface to the list of bridged networks interfaces.

Sessions



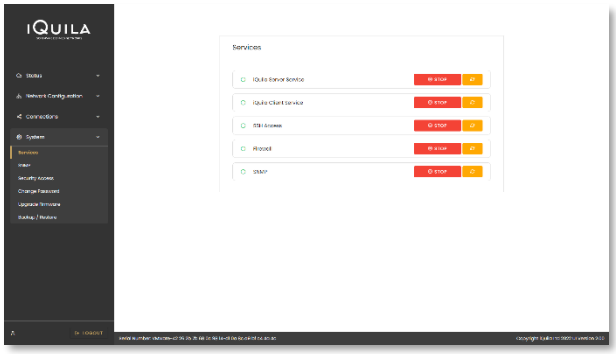
Displays the current sessions by IP address or MAC address on the bridged networks.

This doubles as an information area to fault find issue if the network is not bridged correctly.

System

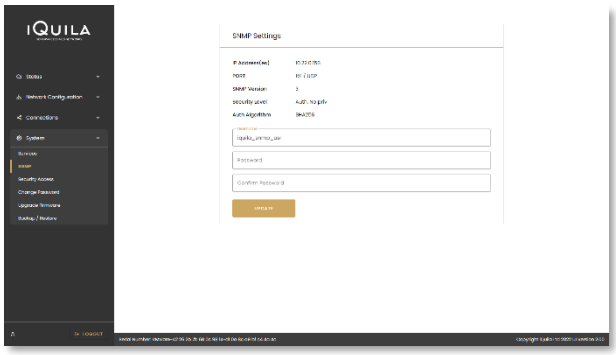
Services

Allows the stopping and restarting of all the iQuila services.



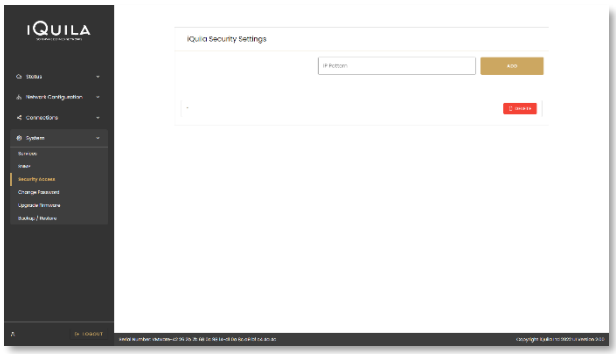
SNMP

Allows the setup of a SNMP connection to send diagnostic data to a SNMP server.



Security Access

The section is reserved for iQuila support.

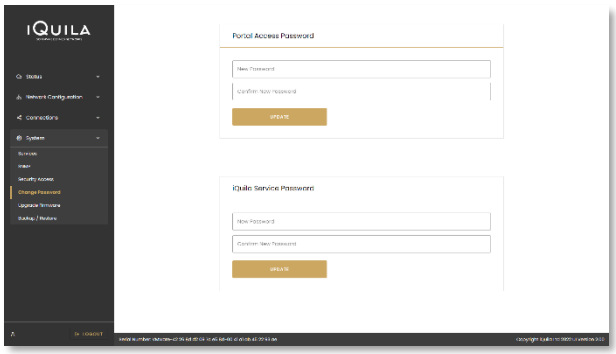


Change Password

Allows for the changing of two different types of passwords.

- Portal Access Password
  Grants access to the Web management portal.

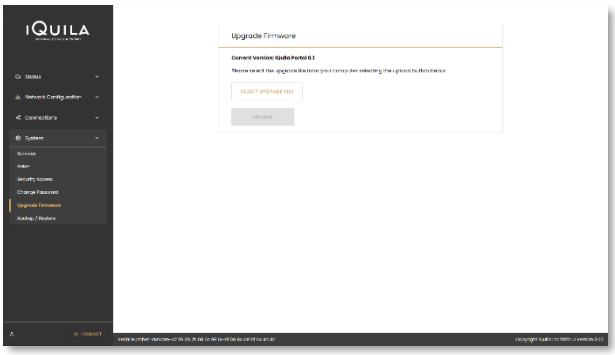
- iQuila Service Password
  Grants access to the service area of this iQuila device.



Upgrade Firmware

Allows for the update/upgrading of this device.

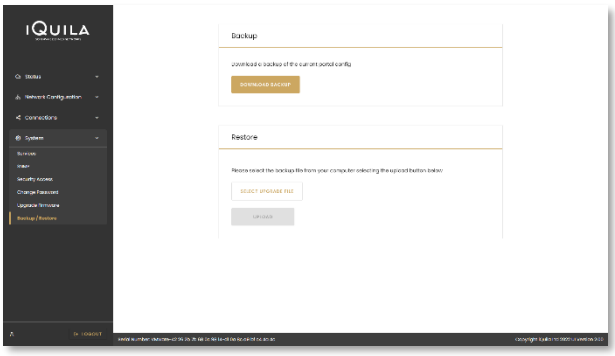
Please contact iQuila support when use of this option is required.



Backup/Restore

Allows for the backup and restore of this device's configuration data.

Please contact iQuila support when use of this option is required.

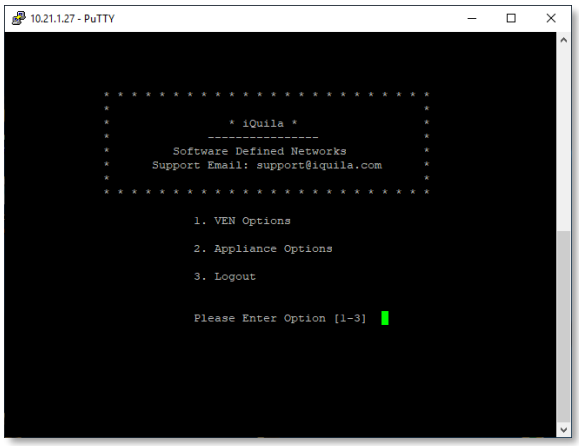


Console Management

The iQuila Device can be fully managed via the console, you can access the console via SSH to the virtual servers IP address, or through the virtual server console window, the default login Credentials are user name “console” password “!console” once logged in for security please change your password.

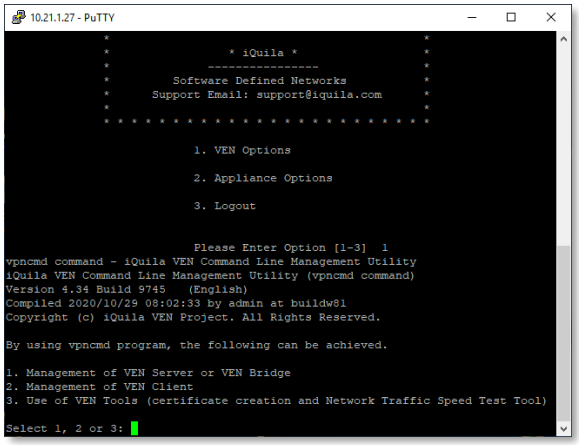
Once you have logged in to the Appliance you will see 3 options.

1. VEN Option
2. Appliance Options
3. Logout



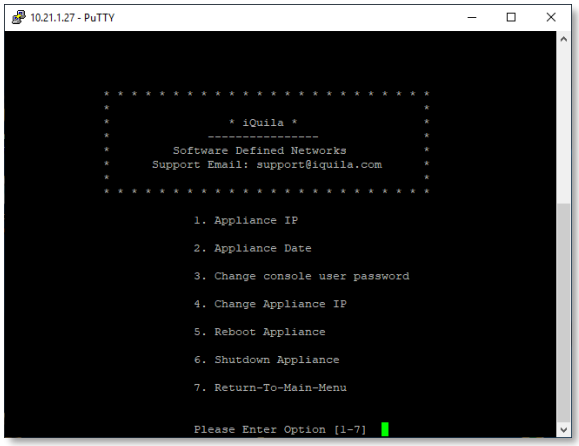
1. VEN Options. Give you full control of the VEN Bridge, when selecting this option, you will be given a further 3 options.

    1.1. Management of VEN Server or Bridge. Allows you to fully configure the VEN Bridge via the command-line interface.
    1.2. Management of VEN Client
    1.3. Use of VEN tools



2. Appliance Options. Give you access to the 7 Appliance options.

    2.1. Appliance IP Address.
    2.2. Appliance Date.
    2.3. Change console user password.
    2.4. Change Appliance IP. Changes the IP address of the Virtual Server. As default this is set to DHCP.
    2.5. Reboot the Appliance.
    2.6. Shutdown the Appliance.
    2.7. Return to the main menu.



For support documents on the command-line interface please contact iQuila support.