PORTrockIT
Bridged Physically-In-Path
Setup Guide
Eli-v6.5.391

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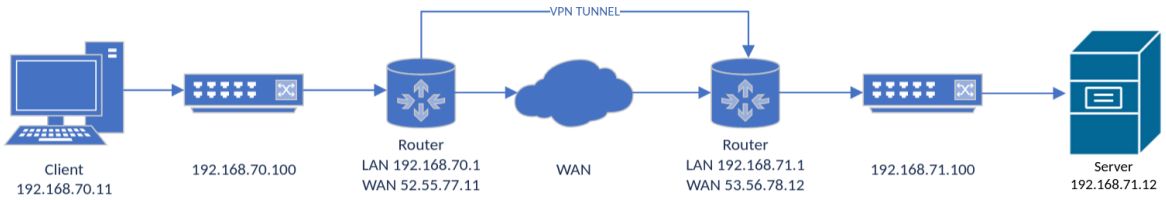
1 Introduction

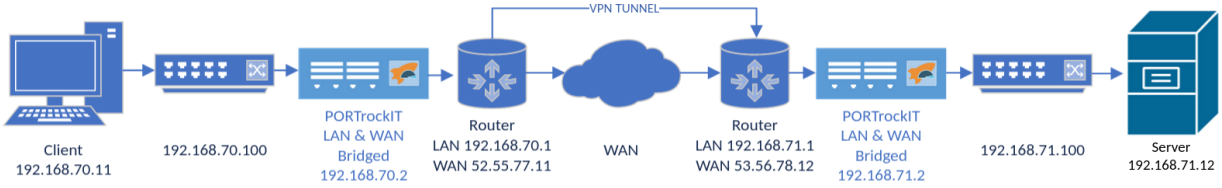
This guide is to assist with configuring a Bridged Physically-in-path installation of the PORTrockIT nodes. Please remember to substitute the IP Addresses shown with ones appropriate to your own networks.

As mentioned in the topology description this type of configuration will only work where site-to-site connectivity is already in place without the need for any routing rules. For example a VPN tunnel or MPLS network.

Prior to the installation of the PORTrockITs the client and server already have connectivity across the site-to-site connection as detailed below:



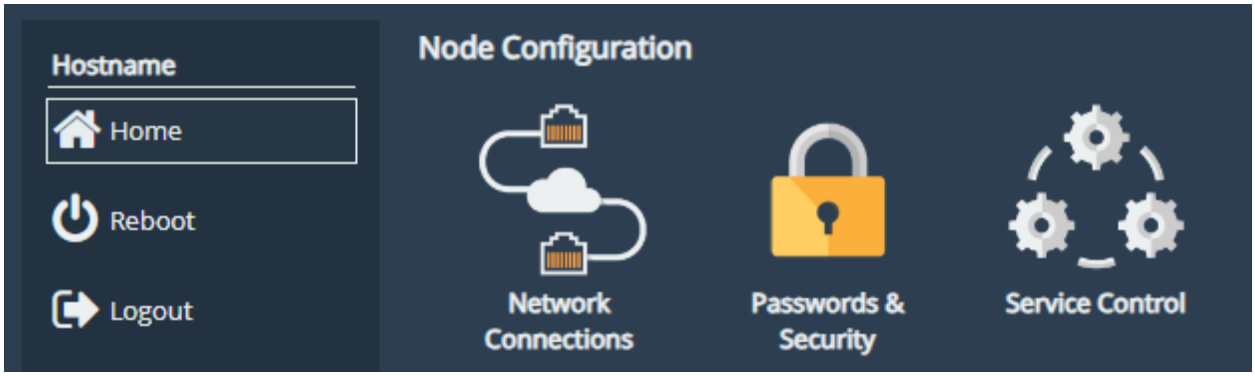
The PORTrockIT nodes will be installed between the local routers and the rest of the local network. This will require the nodes to be configured in Bridged Mode so that all traffic is intercepted by the nodes but only the protocols configured to be accelerated will be sent to the AI Engine for acceleration. All other traffic will pass through the node untouched as it will be transparent at layer 2 of the network.



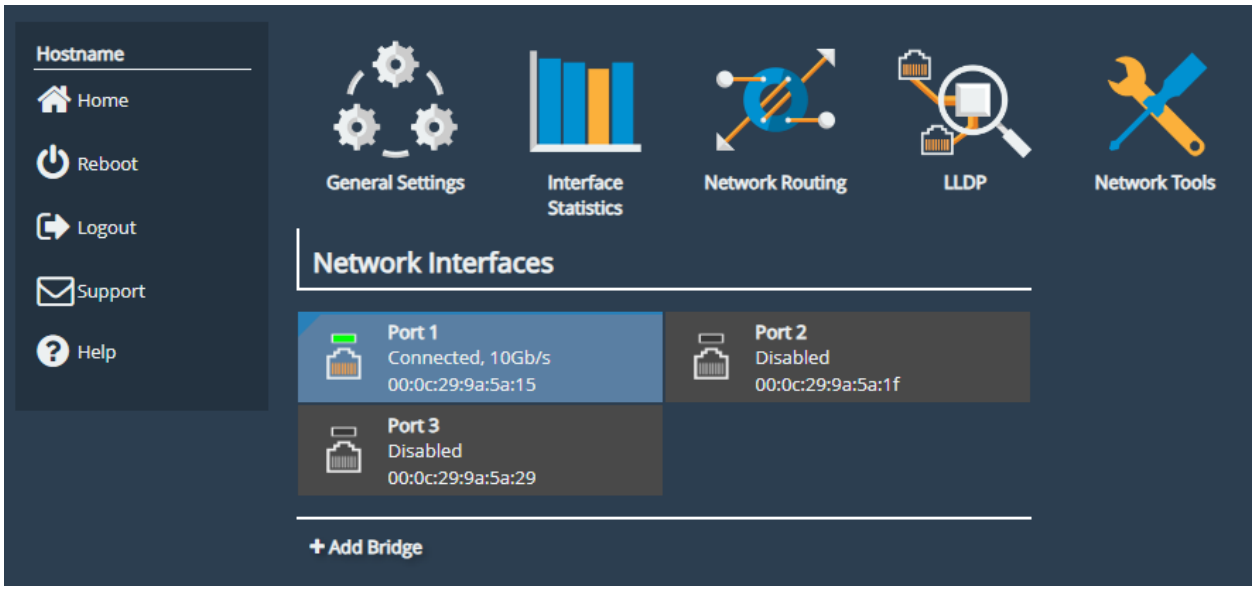
2 Setup

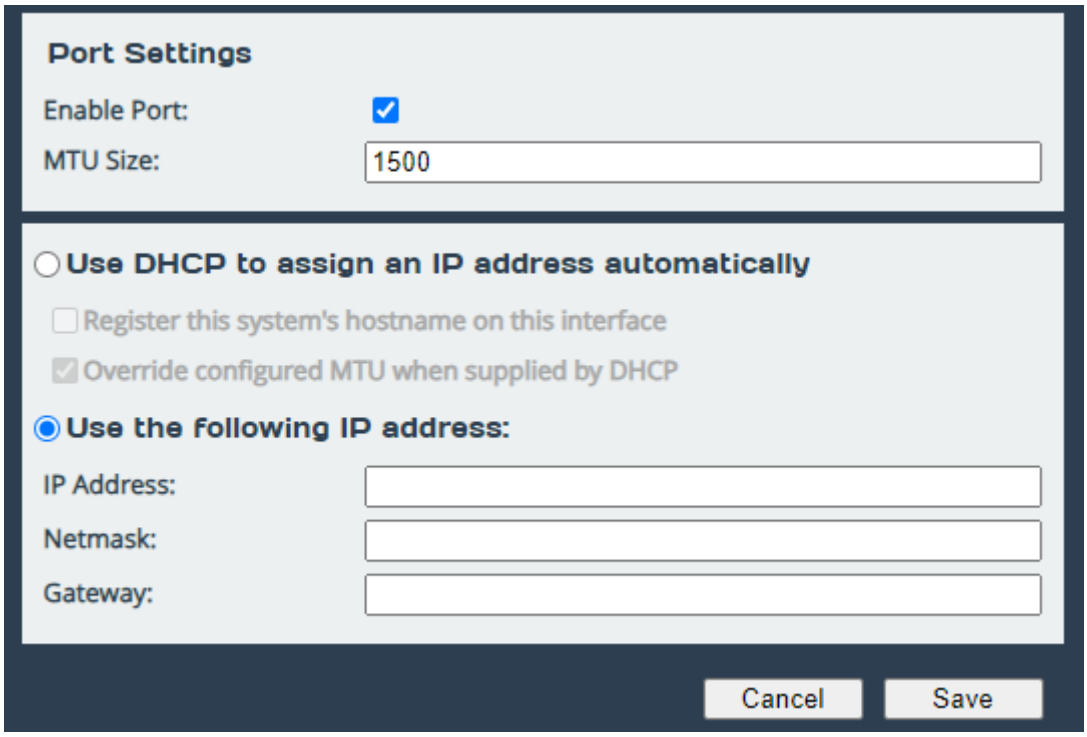
2.1 Configuring the Bridge

To configure the Bridge first select *Network Connections* from the Home page.



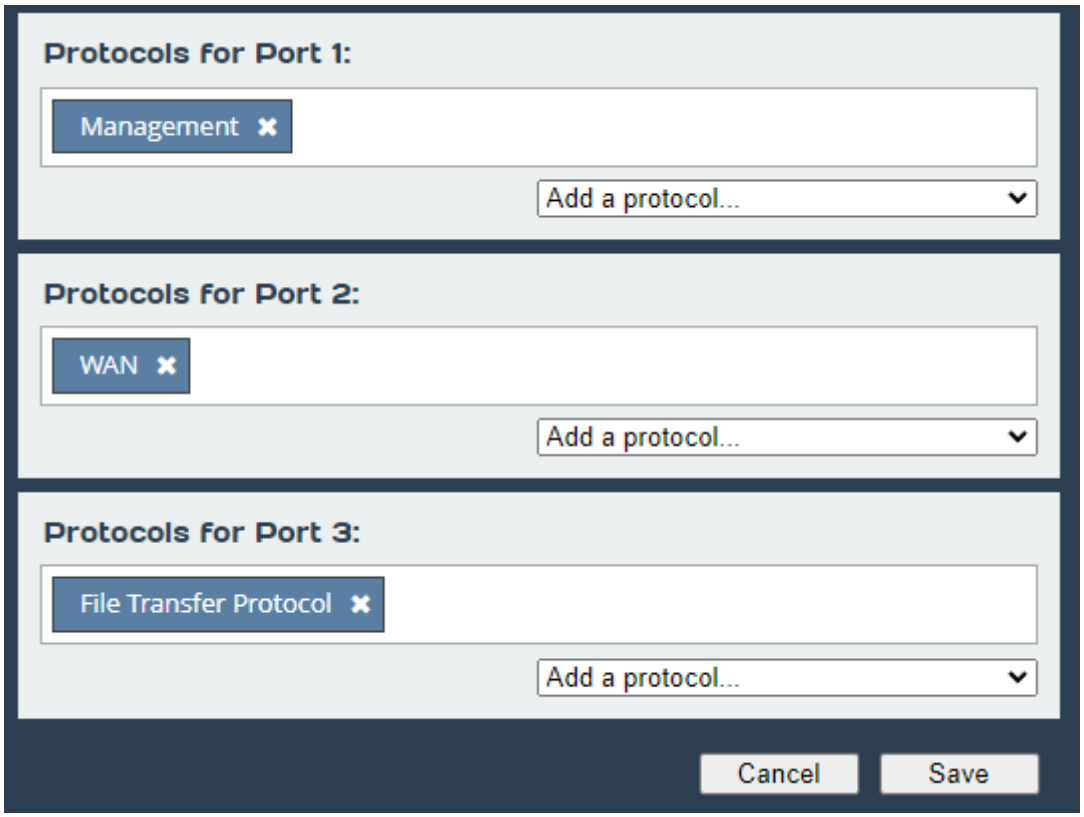
The next screen should show the various network interfaces with both the WAN and LAN ports currently showing as disabled. Select each port in turn and tick the *Enable Port* option then click *Save*. You do not need to enter any IP address information at this point and it can be left blank.





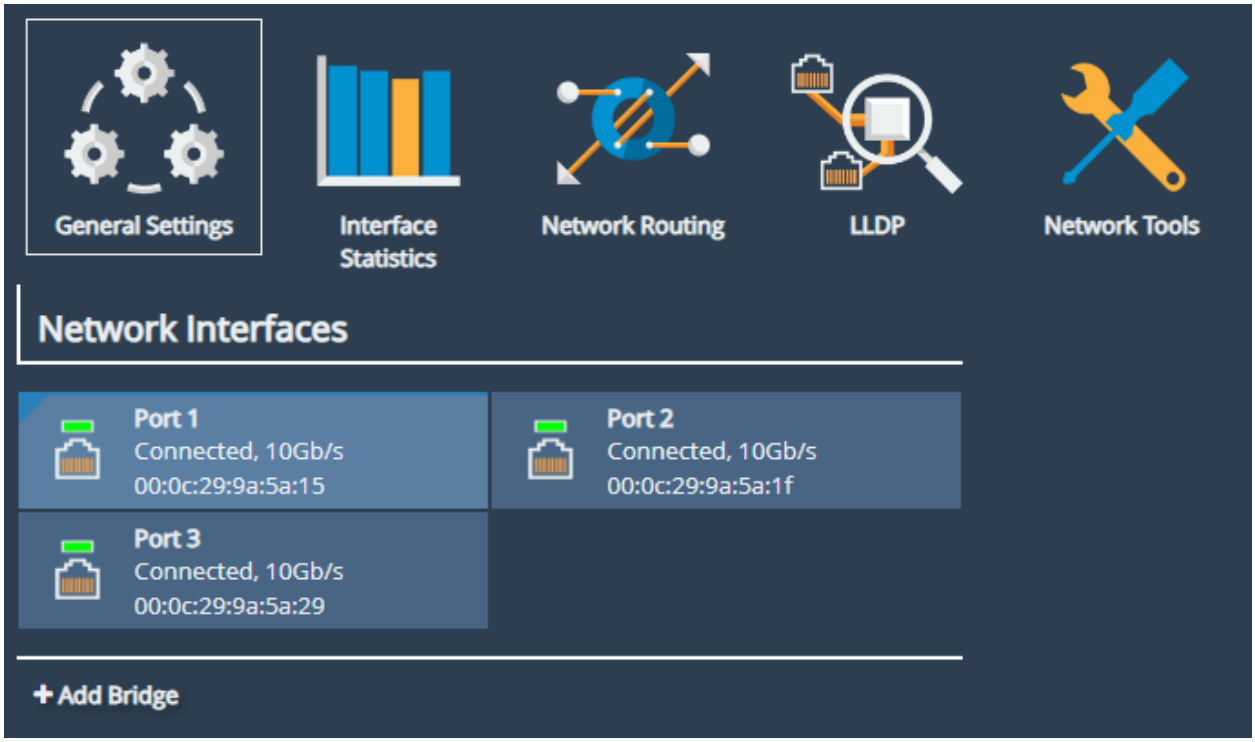
Once both ports have been enabled reboot the Node for the changes to take effect.

After the unit has restarted, select *Port Mappings* from the home page which will take you to the configuration page for the ports. In this instance, we are accelerating FTP traffic and will assign this to Port 3 with the WAN mapped to Port 2. If you are accelerating more than one protocol, add all the protocols to the relevant port. Once assigned, click *Save*, and reboot the Node.

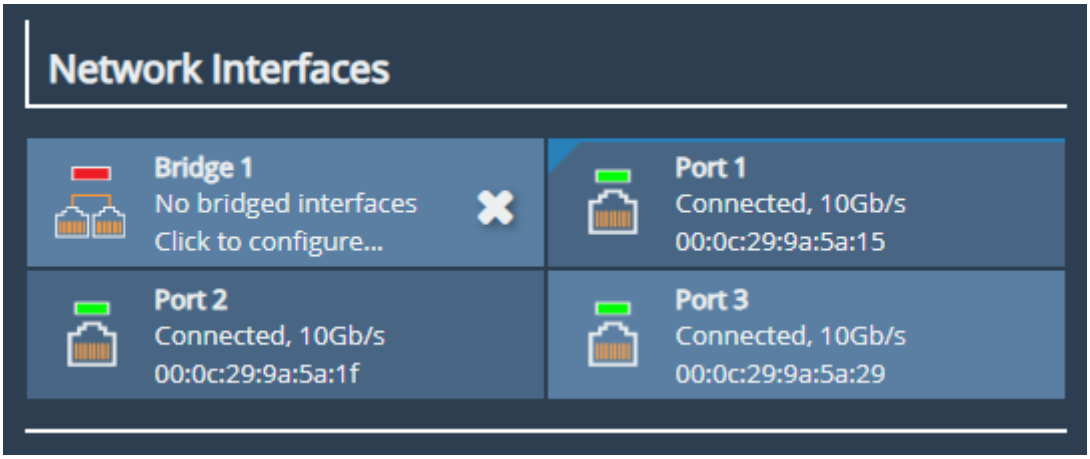


Now that the ports are enabled and they have protocols assigned you can configure the Bridge.

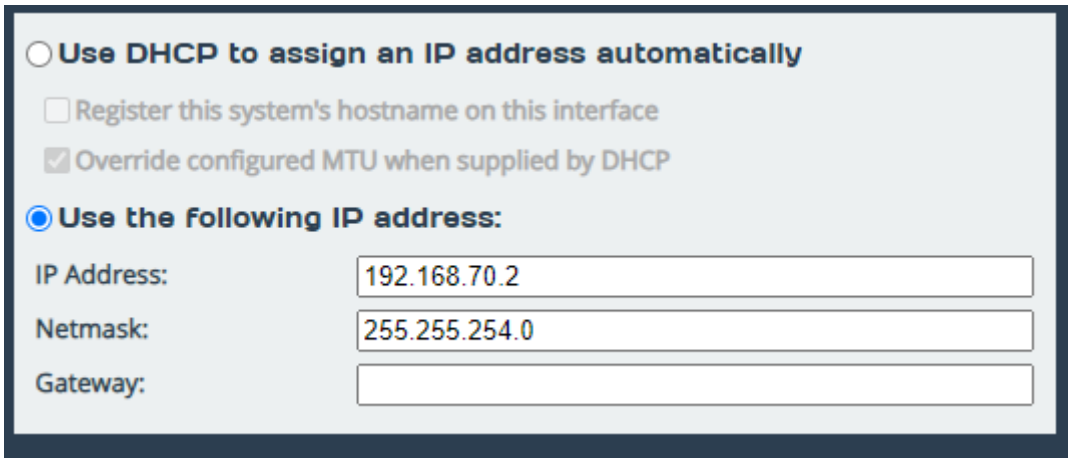
Select *Network Connections* and beneath the Interfaces there is a link to *Add Bridge*.



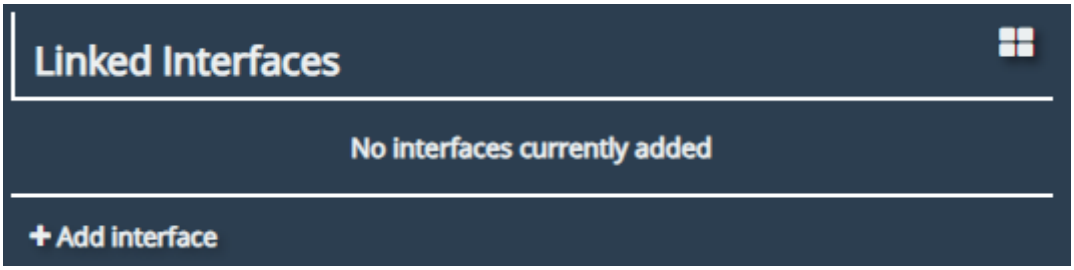
You should see a new interface appear entitled *Bridge 1* and it'll say *Click to Configure*.



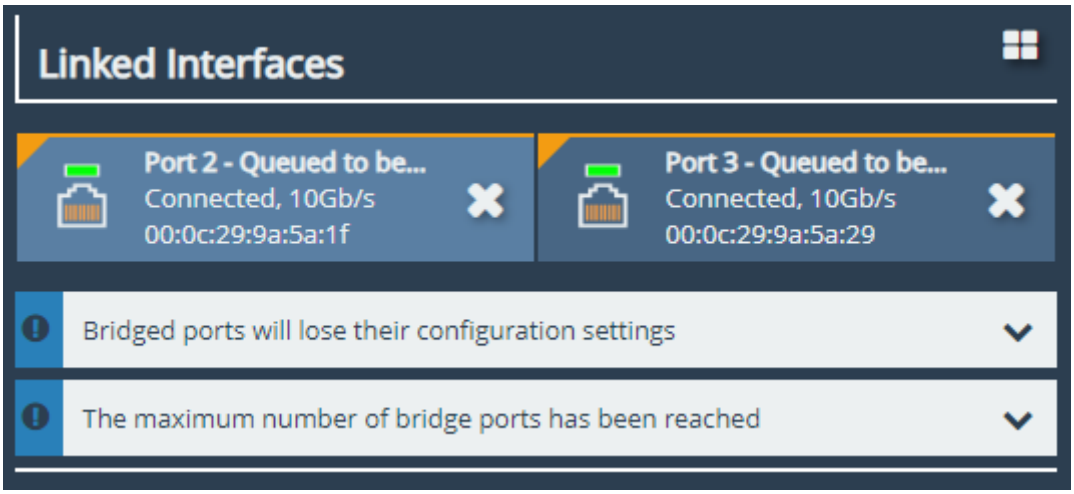
Select the Bridge to be configured and add the IP settings. This will set the IP Address for the Bridge once saved and the Node is rebooted.



On the same screen you should see that there are no interfaces currently added and an option below to *Add Interface*.



Select *Add Interface* and from the drop down list select the interfaces that are going to be Bridged.



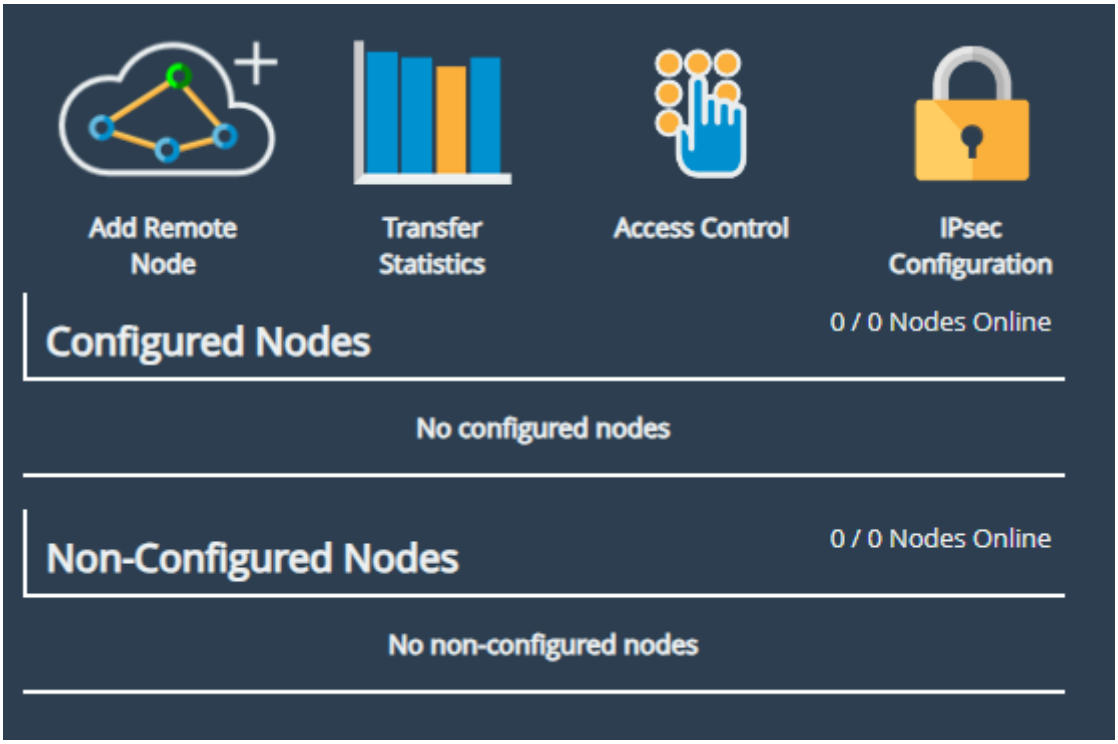
Select *Save* and then reboot the Node.

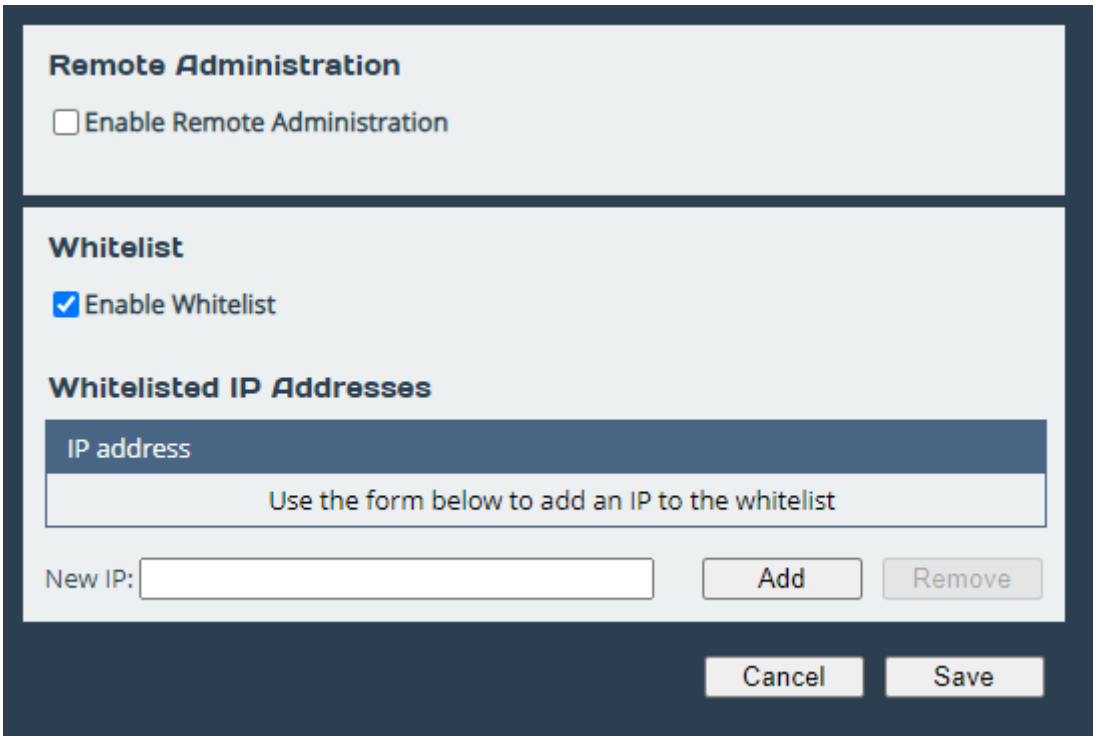
After the reboot the Bridge will now be active. Repeat the configuration steps above for the opposite Node before continuing.

2.2 Establishing a Link Between Nodes

With both Nodes configured in Bridged mode you can now link the Nodes together ready for acceleration. The first step is to turn off the Whitelist option under Access Control.

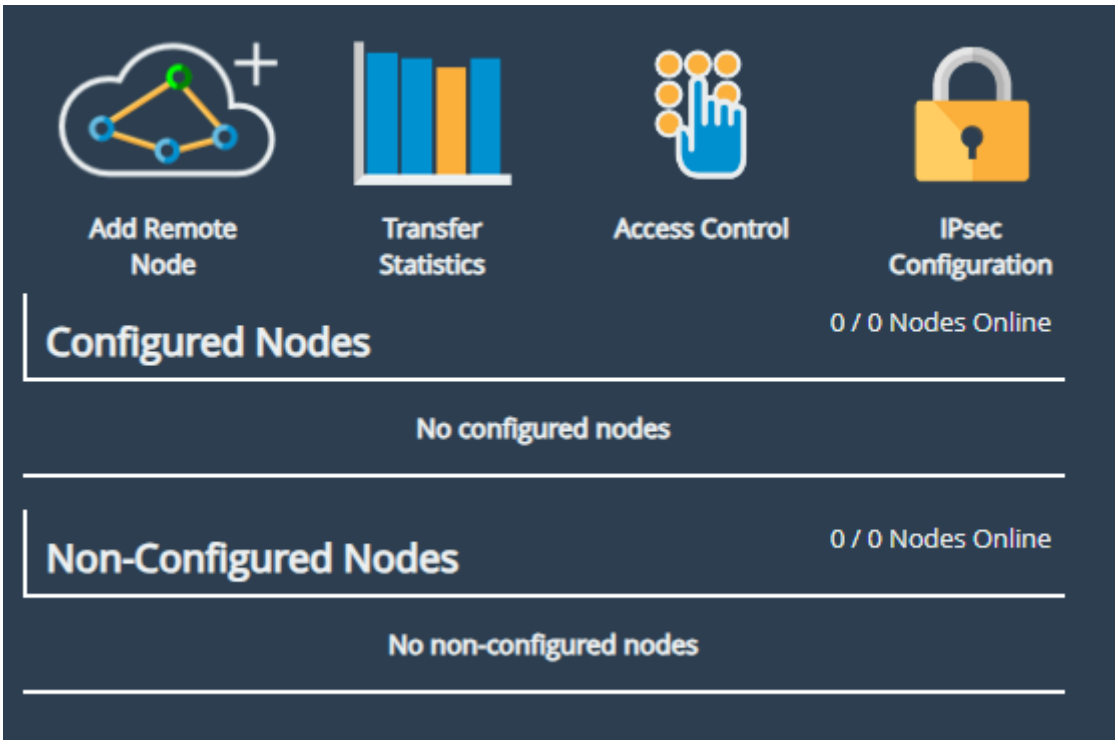
Select *Node Management* from the Home page and then *Access Control*.



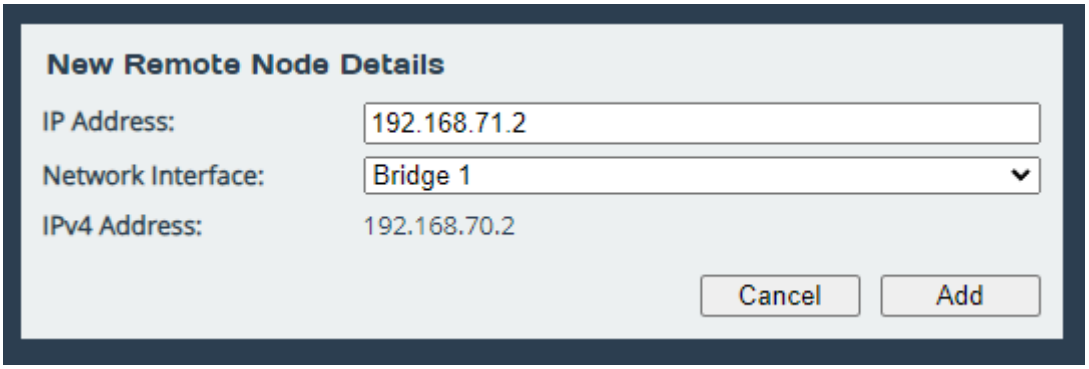


De-select the *Enable Whitelist* option, click *Save* and then reboot the device. Repeat for the other Node.

Following the reboot return to the *Node Configuration* section and select *Add Remote Node*.

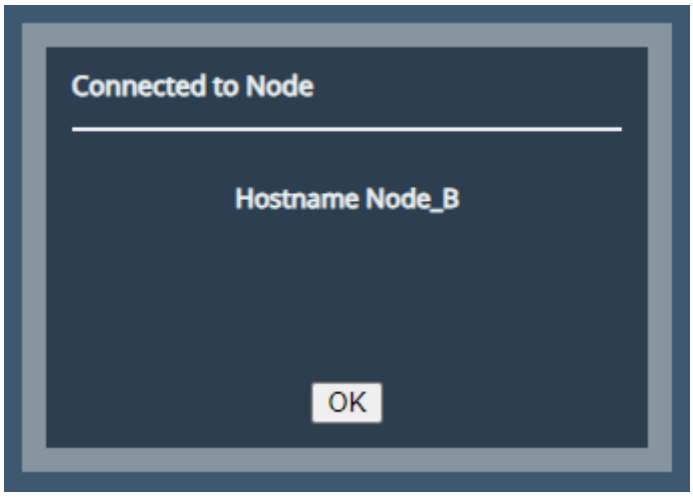


Enter the IP Address of the opposite Node's Bridge and select *Add*.

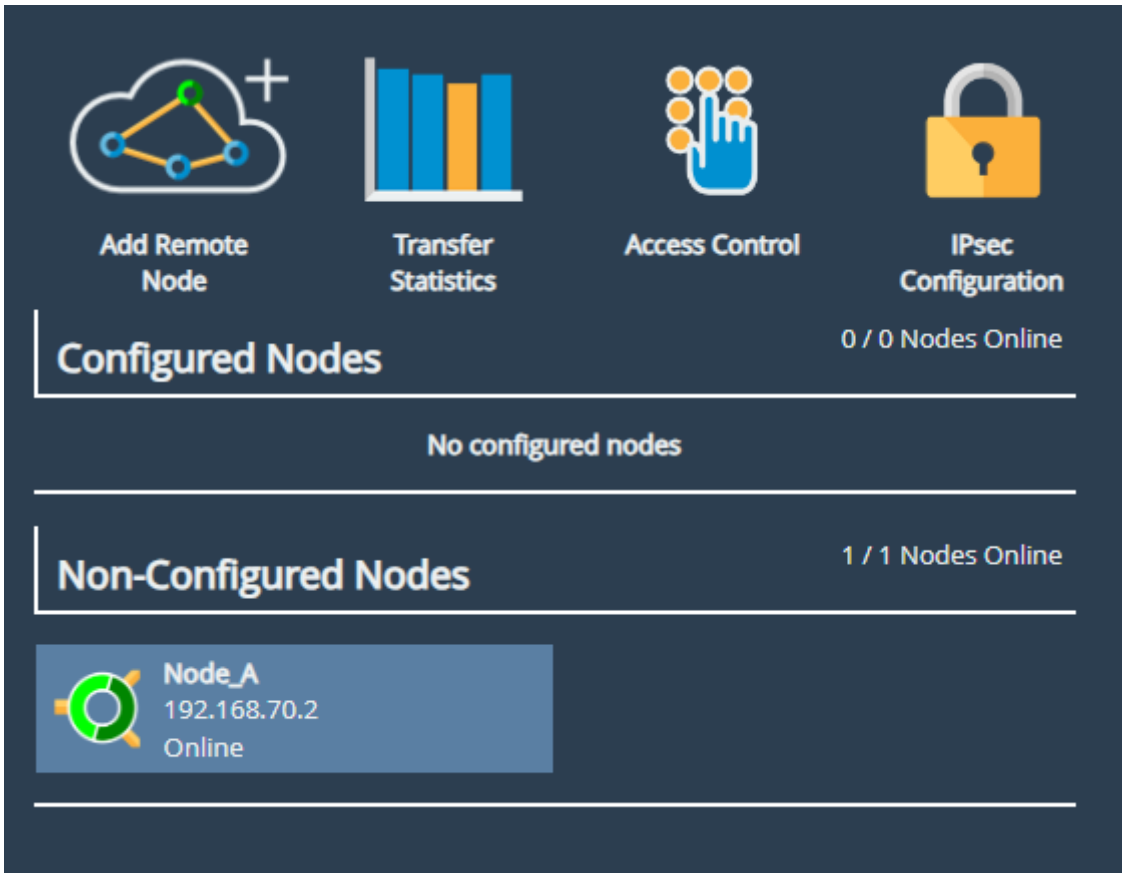


If everything has been configured correctly you should see a pop up box that says *Connected to Node* and the name of the Node you have connected to.

Select *OK* and then select *Cancel*.



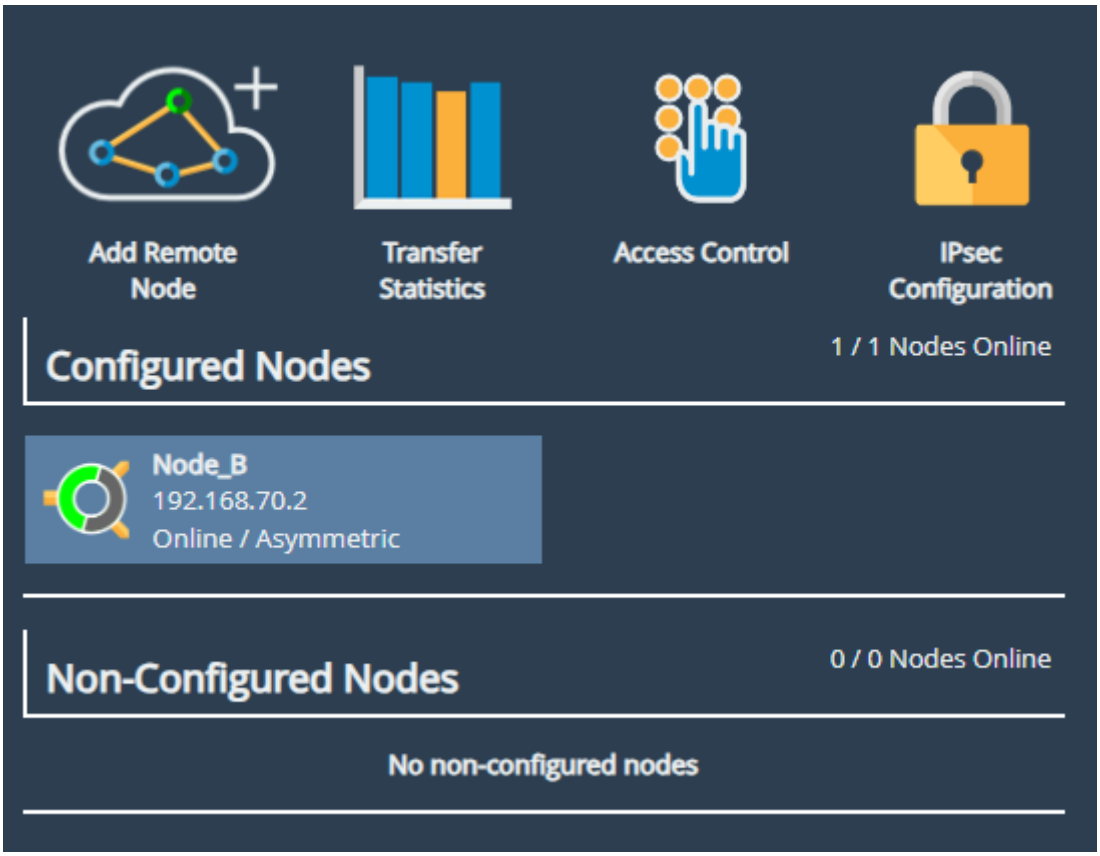
On the opposite Node select *Node Management* and you should see that the Node you have just linked is showing under *Non-Configured Nodes*.



Click on the Node and on the next screen select *Add Node*

You'll now see the *New Remote Node Details* screen pop up with the IP Address Pre-Populated. Select *Add Node* and you should see the *Connected to Node* prompt appear as before. Select *OK* then click *Cancel*.

The Node should have moved into the *Configured Nodes* section.



You can return to the Quick Start Guide to add the Services and complete the setup of the units.

3 Useful Links

Further documentation and support is available through our website: https://support.4bridgeworks.com/

If your question is not answered in our documentation, please submit a ticket: https://support.4bridgeworks.com/contact/