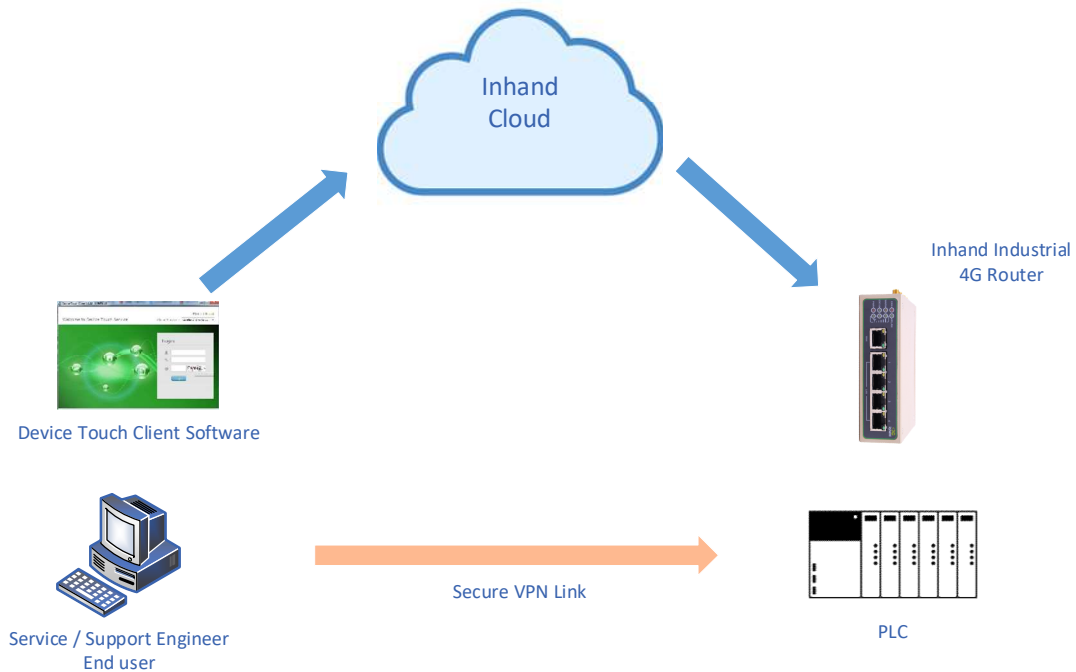


Inhand® Cloud VPN for InHand 600 Routers

This document shows how to setup Cloud VPN (powered by Inhand Device Networks Cloud) using an Inhand® 600 series router (IR611 or IR615)

Upon completion of this setup, the user should be able to have direct remote access to network devices attached to the IR600 series routers via a secure VPN connection.



1. Register a cooperate account with JDK Technologies

Contact your account manager or email info@jdktech.com.au for your login details to be organised.

2. Enable “Cloud Access” on the Inhand Router

Ensure the router is connected to the internet via cellular connection, then navigate to “Services” -> “Device Manager”, then from the drop down menu select “SMS & IP” option, and ensure that the server is pointing to “g.inhandnetworks.com”

Mode	SMS & IP ▾
Vendor	Default ▾
Device ID	615430575
Server	g.inhandnetworks.com
Port	20003
Login Retries	3
Heartbeat Interval	120 Seconds
Packet Receiving Timeout	30 Seconds
Packet Transmit Retries	3
Query SMS Interval	24 hours
Trust phone list	

Apply
Cancel

3. Add router to Inhand Device Networks Account

Use Firefox or Chrome and navigate to <http://g.inhandnetworks.com/>

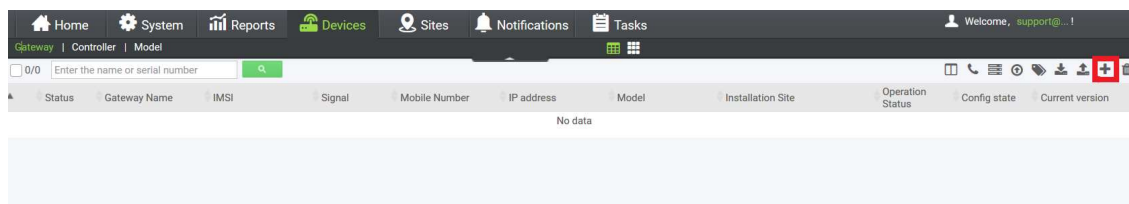
Log in using the provided login credential



Navigate to “Devices” -> “Gateway”




Over in the top right corner, click on the “+” button to add one router to the platform



Ensure that the serial number of the router is filled out. Also assigned the router with a name, ie site reference




The serial number of router can be found in “Status” -> “System”

 InHand Networks

System	Network	Services	Firewall	QoS
Name	Router			
Model	IR615-WLAN			
Serial Number	<u>RL6151805430575</u>			
Description	www.inhandnetworks.com			
Current Version	2.3.0.r4522			
Current Bootloader Version	1.1.3.r4163			
Router Time	2018-09-10 18:21:37			
PC Time	2018-09-10 18:21:36			Sync Time
Up time	86 days, 09:32:28			
CPU Load (1 / 5 / 15 mins)	0.00 / 0.00 / 0.00			
Memory consumption Total/Free	27.73MB / 5,908.00KB (20.81%)			

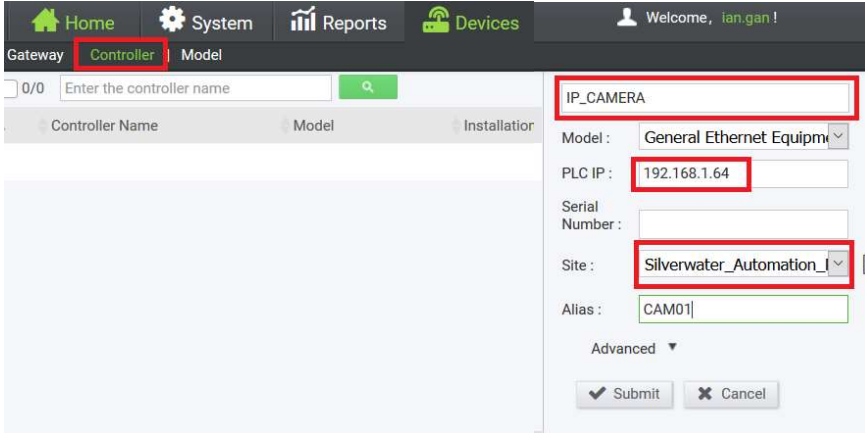
Depending on the network status, it may take up to 60 secs for the Cloud platform to pick up the router. The status icon will turn “Green” once router is connected with Cloud Platform. The current signal level and cellular IP address can also be found

Status	Gateway Name	IMSI	Signal	Mobile Number	IP address	Model	Installation Site
	Silverwater_Automation_Plant	505013511396050	<u>22</u>		<u>123.209.103.62</u>	IR6XX_WCDMA	Silverwater_Automation_Plant

4. Add network devices to Cloud Platform

The next step is to make the Platform aware of the network device(s) connected to the router.

Navigate to “Device” -> “Controller” from the menu



Click on the “+” button to create a network device, ensure the following:

IP Address – The IP address of this network device on the LAN interface of router

Site – Needs to be identical with site name assigned to the router

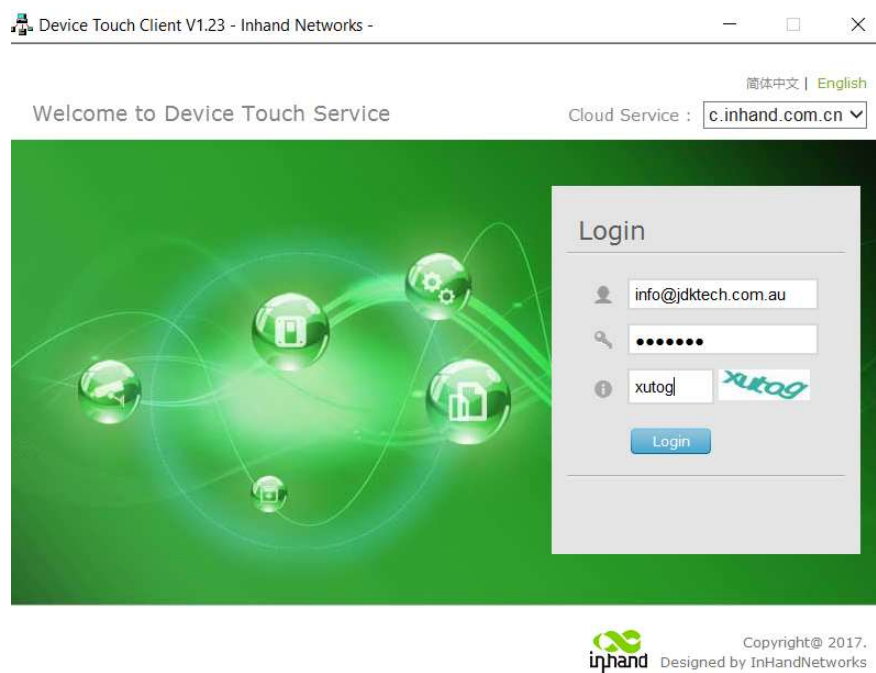
Repeat this step if there are multiple devices to be added.

5. Inhand Device Touch VPN client

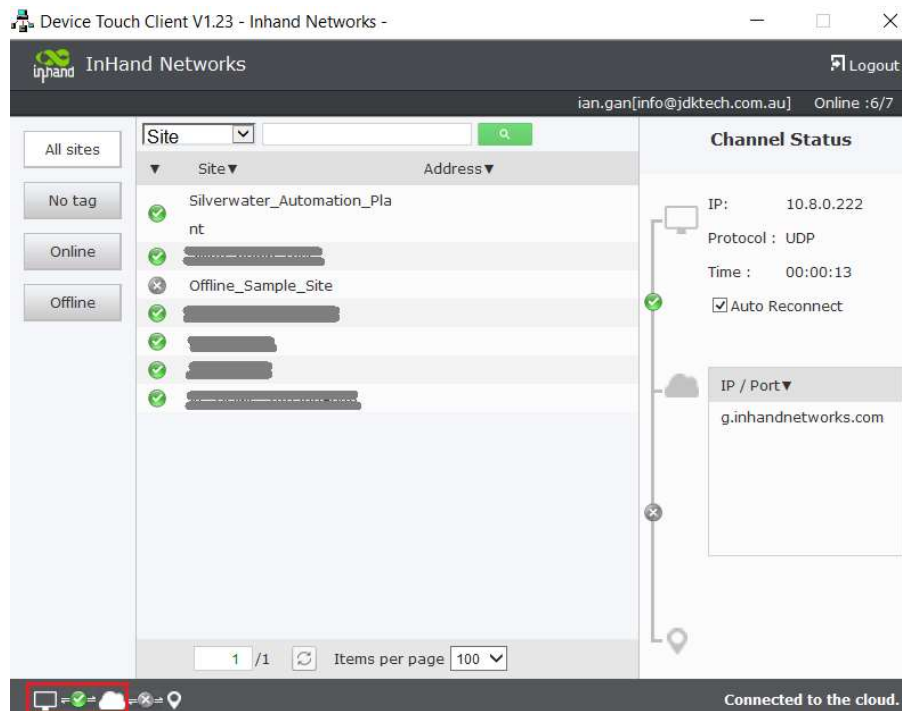
Download this client software for windows from this [link](#), and install it on a PC

6. Establish a secure VPN link via Inhand Platform

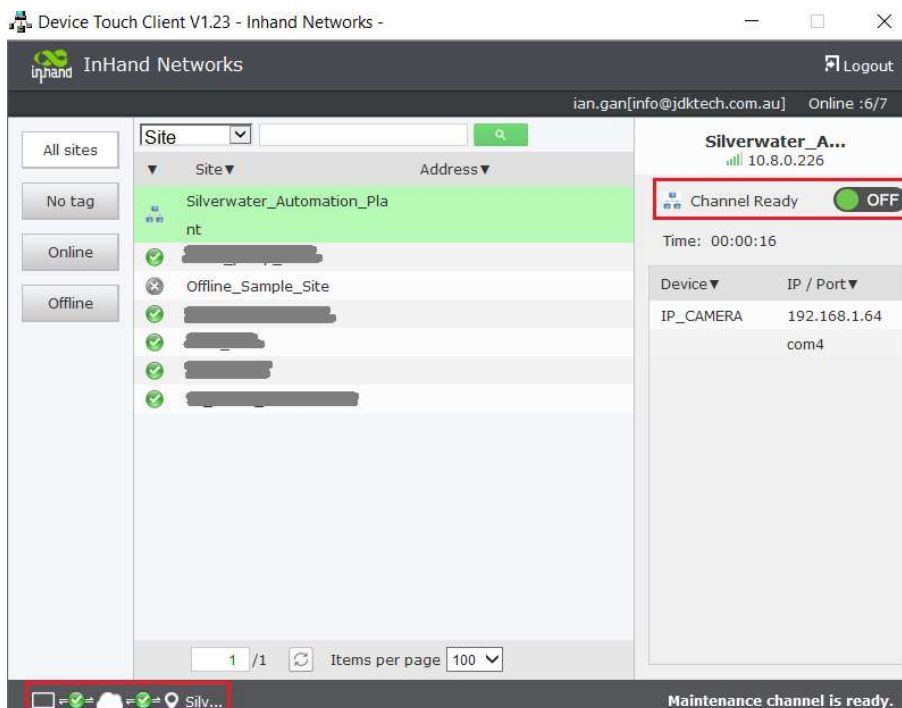
Login the client software using the same credential provided for the Cloud Platform



Upon successful login, a list of sites would be displayed. Wait for the client software to establish a link to the Cloud Platform, once finished there will be a “Green Tick” between the PC icon and the Cloud icon.



Then select the site to establish the VPN link, note that there will also be a “Green Tick” between the Cloud icon and Site icon once completed.



7. Verify the VPN connectivity

Finally, the network device can now be accessed directly via the secure VPN link. A simple ping test should be able to confirm the access.

```
Command Prompt

C:\>ping 192.168.1.64

Pinging 192.168.1.64 with 32 bytes of data:
Reply from 192.168.1.64: bytes=32 time=682ms TTL=63
Reply from 192.168.1.64: bytes=32 time=637ms TTL=63
Reply from 192.168.1.64: bytes=32 time=663ms TTL=63
Reply from 192.168.1.64: bytes=32 time=620ms TTL=63

Ping statistics for 192.168.1.64:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 620ms, Maximum = 682ms, Average = 650ms

C:\>
```

Alternatively, if the network device has a web portal, it should also be accessible via web browser.

