

GRC Internet real-name system

[MUST-READ]

To conform to the Cyber Security Management Act, all devices that acquire IP from GRC network to surf the internet need to be registered with a user name and lab contact info. Please follow the do's and don'ts before you start.

1. GRC network: all wired(cable) network in GRC building (including Yellow Tile Building) and the Wi-Fi named [GRC-Secure].
2. Information appliances such as desktops, laptops, workstations and servers without the proper security installation (ApexOne & Zyxel client) will be denied to access GRC network as well. The Apps are in the public software storage area at: <\\192.168.1.36\software>.
3. Please follow the application procedures accordingly.

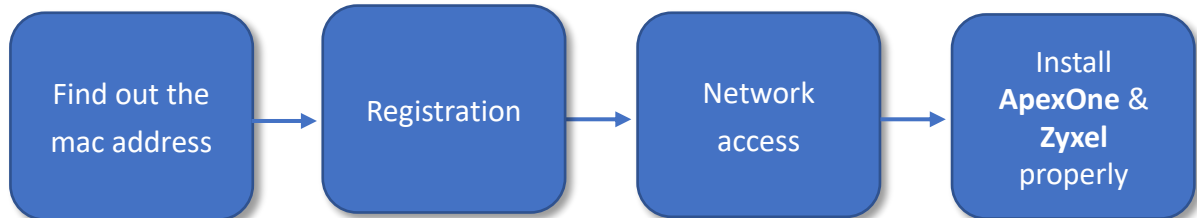


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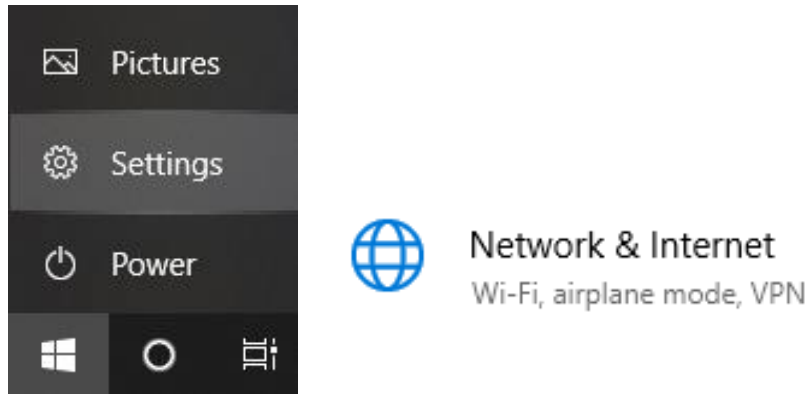
Note: The table of contents is with hyperlink, so that you can quickly go to the specific part while clicking at the link.

A. Find out the mac address

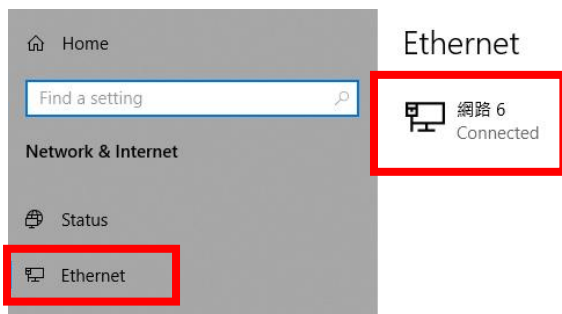
I. Wired(cable) network

1. Windows

1-1. Go to start menu>settings>Network & Internet



2-1. Click Ethernet>network icon with connected. The MAC address is listed in [Properties].



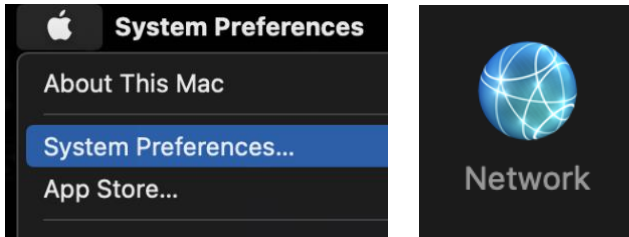
Properties

Link speed (Receive/Transmit):	1000/1000 (Mbps)
Link-local IPv6 address:	fe80::41f:5dee:495c:11a3%8
IPv4 address:	192.168.50.24
IPv4 DNS servers:	192.168.50.1
Manufacturer:	Intel Corporation
Description:	Intel(R) Ethernet Connection I217-V
Driver version:	12.17.10.8
Physical address (MAC):	D8-50-E6-5B-52-55

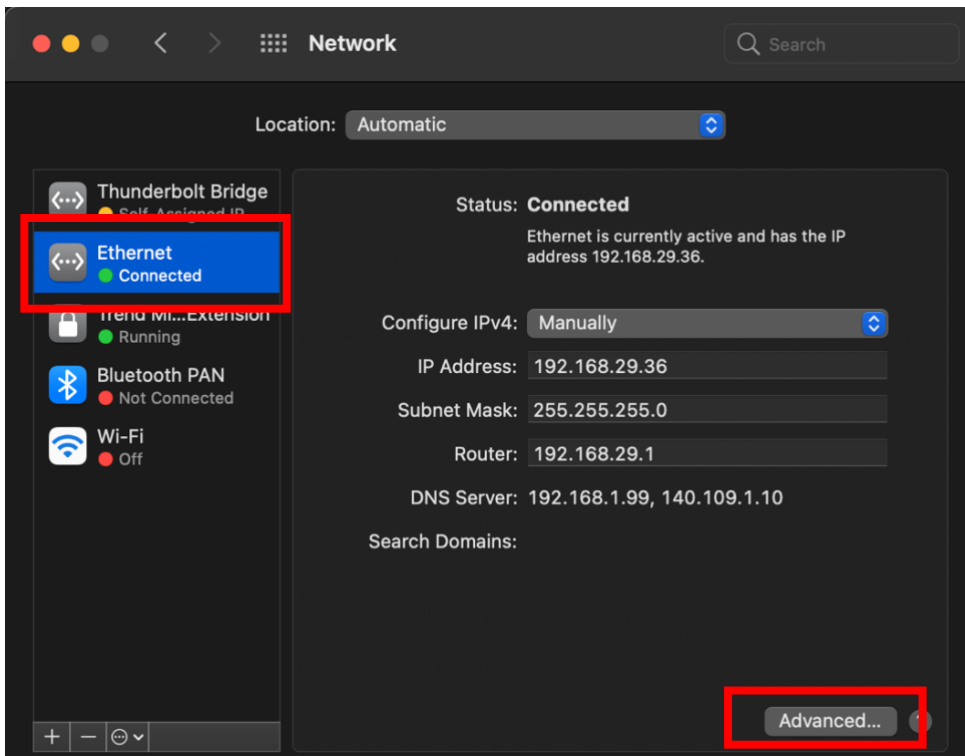
Copy

2. macOS (iMac/MacBook)

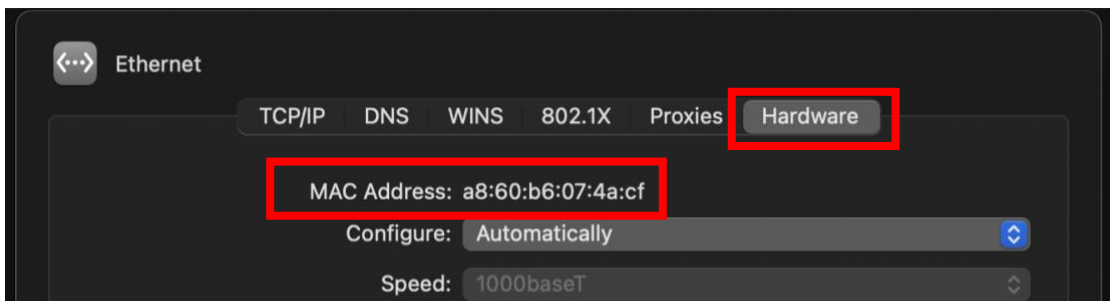
2-1. Go to System Preferences>Network.



2-2. Go to Ethernet>Advanced.



2-3. The MAC address is listed in [Hardware].



3. IoT(Internet of Things) device

IoT(Internet of Things) devices are things like printers, webcams, NAS and etc. Please contact IT staff at 1291 or online Help Desk (<http://192.168.1.18/BPM>) for further details.


II. Wireless network

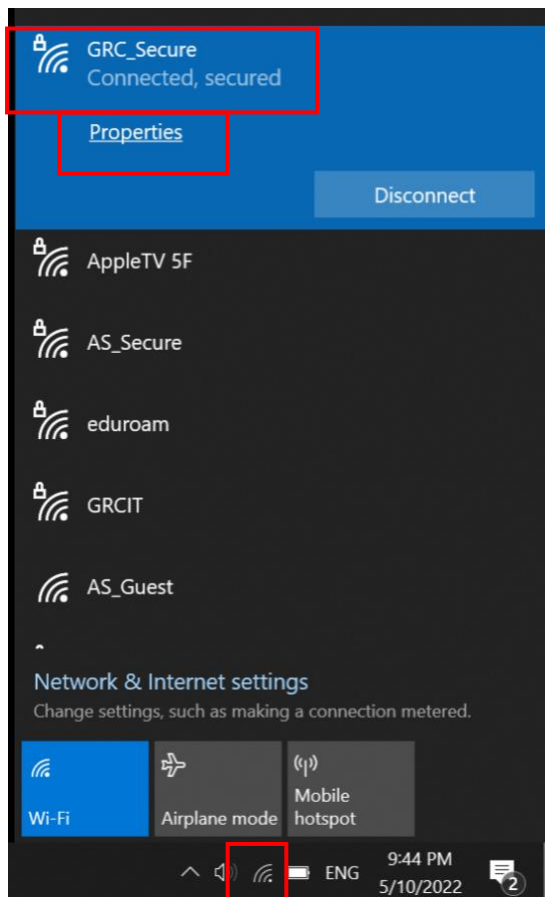
IMPORTANT:

1. Only [GRC-secure] needs to be registered.
2. Before starting, make sure your device has been connected to [GRC-secure].

1. Windows

1-1. Windows 10

1. Click the Wi-Fi Icon  on the lower right corner, make sure the device has been connected to [GRC_Secure].
Then, click [Properties].




2. The mac address is listed in [Properties].




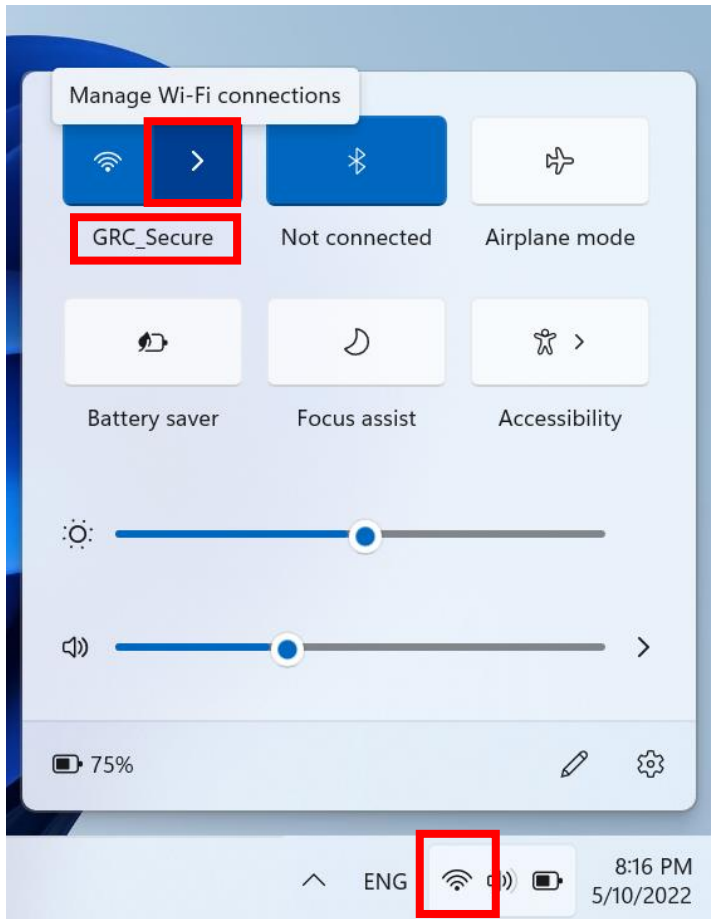
The image shows a screenshot of the Windows network settings for a network named 'GRC_Secure'. The network name is highlighted with a red box. Below it, the 'Properties' tab is selected and highlighted with a red box. The properties are listed in a table-like format:

SSID:	GRC_Secure
Protocol:	Wi-Fi 4 (802.11n)
Security type:	WPA2-Enterprise
Type of sign-in info:	Microsoft: Protected EAP (PEAP)
Network band:	5 GHz
Network channel:	
Link speed (Receive/Transmit):	300/300 (Mbps)
Link-local IPv6 address:	
IPv4 address:	
IPv4 DNS servers:	192.168.1.99 8.8.8.8 140.109.1.10
Manufacturer:	Intel Corporation
Description:	Intel(R) Centrino(R) Advanced-N 6235
Driver version:	15.16.0.2
Physical address (MAC):	C4-85-08-36-79-C3

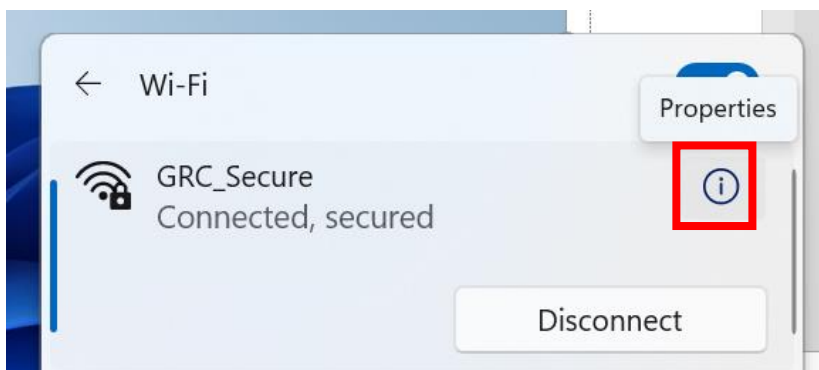
1-2. Windows 11

1. Click the Wi-Fi Icon  on the lower right corner, make sure the device has been connected to [GRC_secure].

Click the [Manage Wi-Fi connections] icon .



2. Click the [Properties] icon .



3. The mac address is listed in [Properties].

The screenshot shows the Windows Settings application, specifically the 'Network & internet' section, then 'Wi-Fi', and finally the properties for a network named 'GRC_Secure'. The network name is highlighted with a red box. Below this, there are several sections: 'Metered connection', 'Random hardware addresses', and a list of network properties. The 'Physical address (MAC)' property at the bottom is also highlighted with a red box.

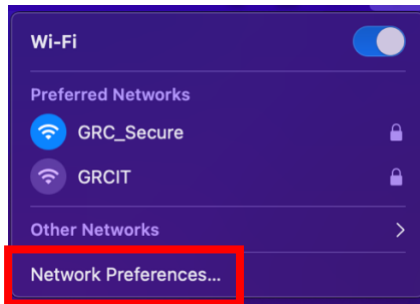
Network & internet > Wi-Fi > GRC_Secure	
Metered connection Some apps might work differently to reduce data usage when you're connected to this network.	
Set a data limit to help control data usage on this network	
Random hardware addresses Help protect your privacy by making it harder for people to track your device location when you connect to this network.	
IP assignment:	Automatic (DHCP)
DNS server assignment:	Automatic (DHCP)
SSID:	GRC_Secure
Protocol:	Wi-Fi 6 (802.11ax)
Security type:	WPA2-Enterprise
Manufacturer:	Intel Corporation
Description:	Intel(R) Wi-Fi 6 AX201 160MHz
Driver version:	22.130.0.5
Type of sign-in info:	Microsoft: Protected EAP (PEAP)
Network band:	5 GHz
Network channel:	
Link speed (Receive/Transmit):	1201/245 (Mbps)
Link-local IPv6 address:	
IPv4 address:	
IPv4 DNS servers:	192.168.1.99 (Unencrypted) 8.8.8.8 (Unencrypted) 140.109.1.10 (Unencrypted)
Physical address (MAC):	C8-34-8E-13-AC-50

2. macOS (iMac/MacBook)

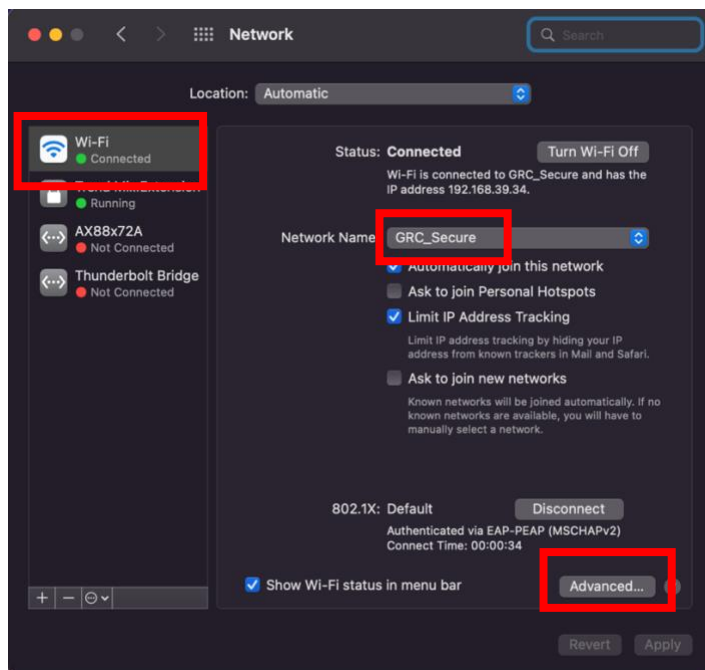
1. Click the Wi-Fi Icon  on the upper right corner.



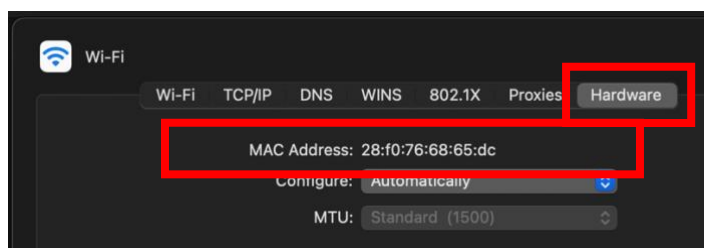
2. Click [Network Preferences...].



3. First, make sure the device has been connected to [GRC_Secure].
Click [Advanced...].



4. The MAC address is listed in [Hardware].



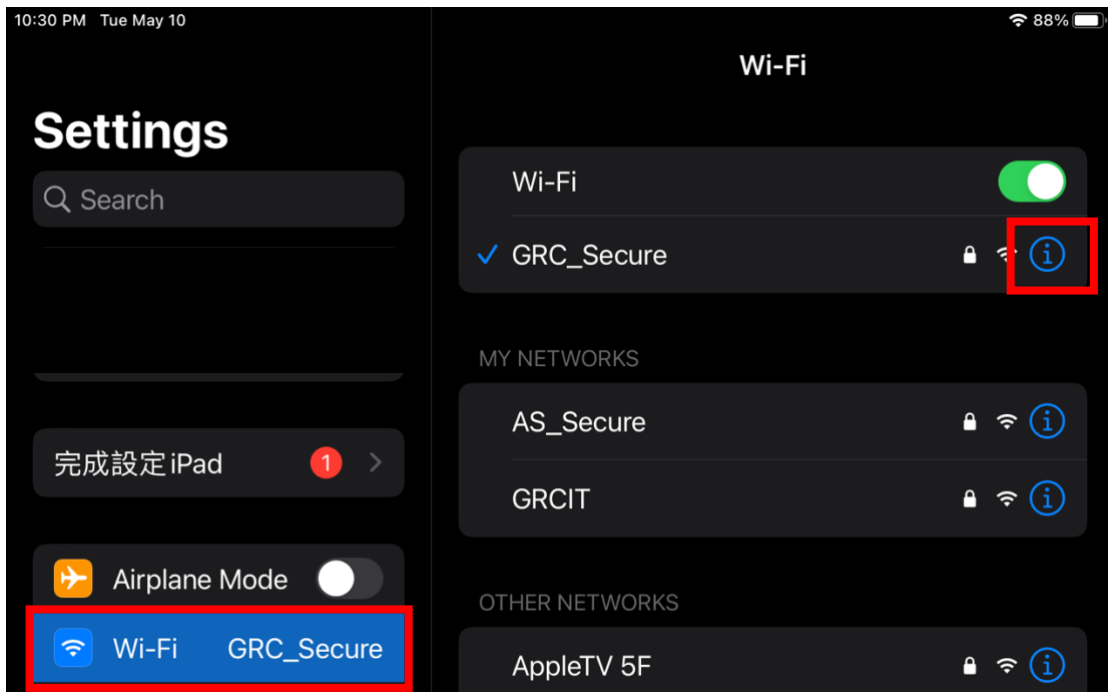
3. IOS (iPhone/iPad)

1. Go to [Settings].

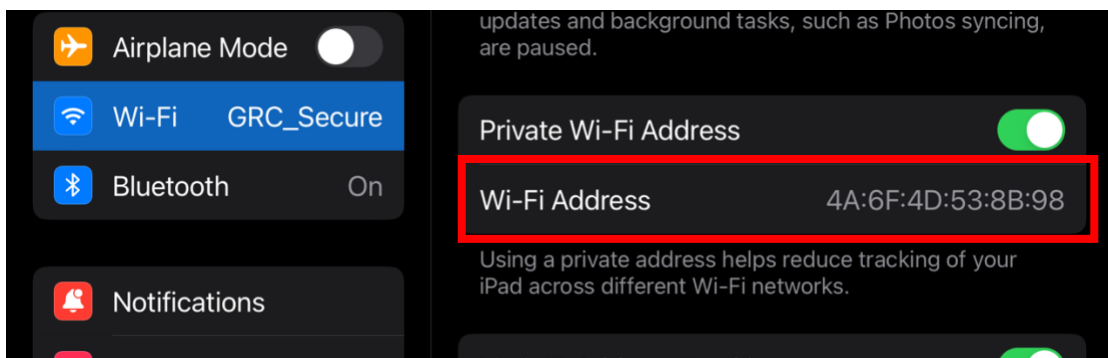


2. Select [Wi-Fi], make sure the device has been connected to [GRC_Secure].

Then, tap the [Properties] icon .



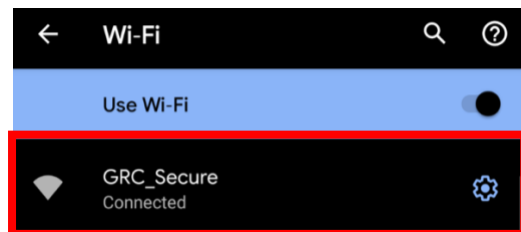
3. The mac address is listed in [Properties].



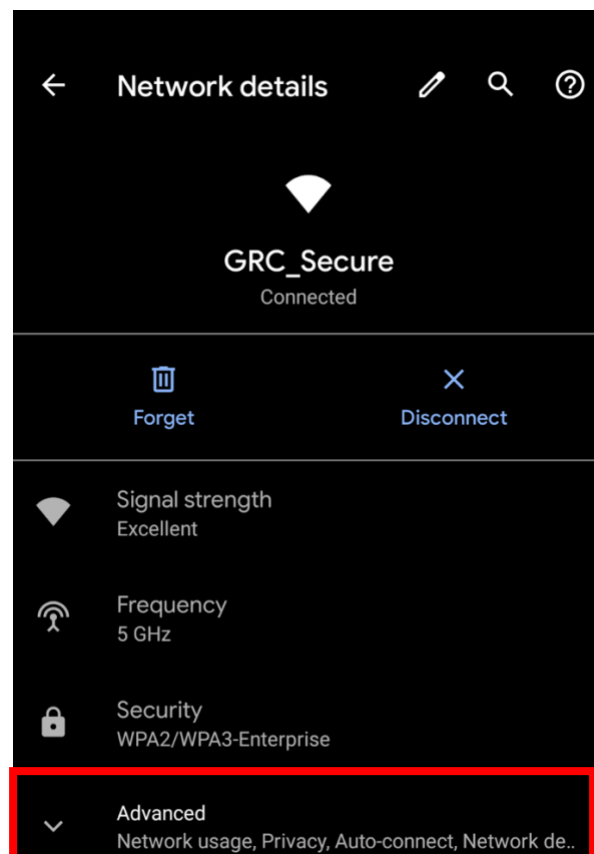
4. Android

Nowadays, it serves a variety of devices with android. We choose Google Pixel as a demo for the instruction. It could be quite different from yours.

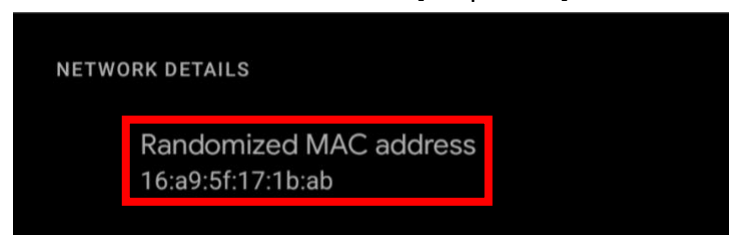
1. Go to [settings]- [Wi-Fi]-[GRC_Secure].



2. Go to [Advanced].



3. Your mac address is listed in [Properties].

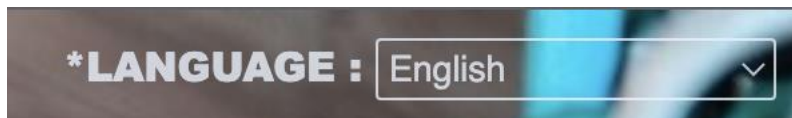


B. Registration

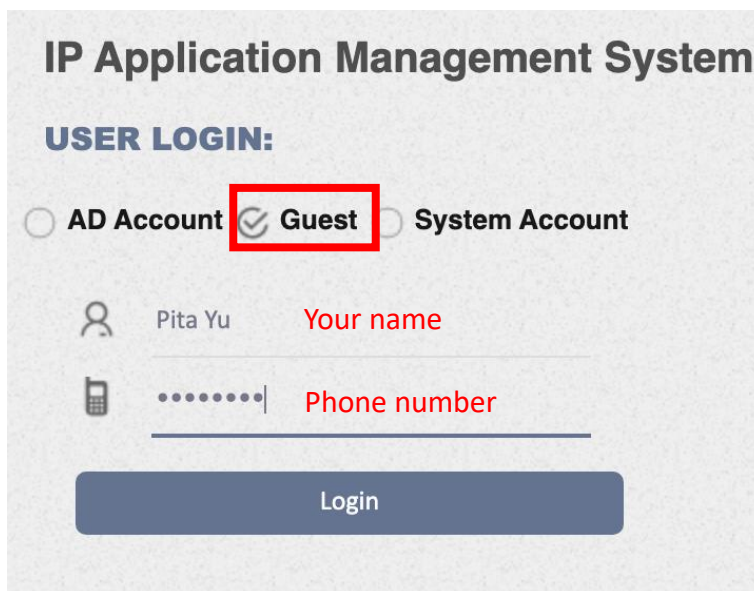
1. Find a computer that can access GRC network, then link to online form:

<http://192.168.1.240/webconsole/admin/ipflow/Application/IPApplicationLogin.aspx>

If the webpage shows in Chinese, click the language button on the upper right corner.



2. Check [guest], then fill in your name and phone number.

A screenshot of the 'IP Application Management System' login page. The title 'IP Application Management System' is at the top. Below it is the heading 'USER LOGIN:'. There are three radio button options: 'AD Account', 'Guest' (which is selected and highlighted with a red box), and 'System Account'. Below the options are two input fields: one for a name (with 'Pita Yu' and 'Your name' as a placeholder) and one for a phone number (with '.....' and 'Phone number' as a placeholder). A 'Login' button is at the bottom.

3. Go to [Apply]-[IP Application]



4. Fill out required fields accordingly.

IP Application

*Type :	Register	
* Location :	Genomics Research Center <input type="text"/>	
*Applicant Name :	Pita Yu	
*Application Reason :	桌機/Desktop <input type="text"/>	
*MAC :	40-4E-36-0B-75-AA	The format should be with "-" (Hyphen). Get Corresponding MAC
*Valid Time :	2022/07/08 15:46:30	2022/07/09 15:46:30 Leave it at that.
*作業.系統/Operating System :	Windows 11 <input type="text"/>	
*房間編號/Room No. :	5A10 <input type="text"/>	
*實驗室/行政組別/Lab :	Dr. Chi-Huey Wong <input type="text"/>	

Add to list
Must add this application to list and can continuously register another devices.

5. When all applications are added to list, click [submit]. Your devices may temporary access the GRC network for 24 hours. Information appliances such as desktops, laptops, workstations and servers, please install ApexOne & Zyxel client ASAP. The Apps are in the public software storage area at: [\\192.168.1.36\software](http://192.168.1.36/software). When all the security installations are completed, we will enable the full network access for your devices in GRC.

IP application to be Submit

Delete	Edit	Status	Location	Applicant Name	Application Reason	IP
✖	✎	To be send	Genomics Research Center	Pita Yu	桌機/Desktop	

Submit