Device MAC Authentication - ClearPass

There are a lot of consumer grade wireless devices that don't work with Enterprise wireless networks (such as what WSU uses). In order to get around this, we are now providing a service called ClearPass! With ClearPass you should be able to get almost any wireless enabled device connected to our network.

Note: Not every consumer device will be able to use ClearPass. Chromecast, Google Home, etc. may work but they also may not. Some "SmartTVs" will not work although most will. All SmartTVs that can take a wired Ethernet connection will usually work.

**Things that you will need**
- A device already connected to the network with a web browser, such as a phone or computer.
- The device that you wish to connect and its MAC address.

**Every device has the MAC address located in a different location. The following link has a list of common devices and how to find their unique MAC address:** [https://support.sou.edu/kb/articles/finding-the-mac-address-on-your-device](https://support.sou.edu/kb/articles/finding-the-mac-address-on-your-device)

If you are still unable to locate where it is located yourself, please contact your RTA or ASIS representative and they may assist you.

MAC stands for Media Access Control and is not to be confused with Apple's lineup of computers.

**How To Connect**

1. First, on your already connected device, navigate to [https://wireless.housing.wsu.edu/guest](https://wireless.housing.wsu.edu/guest).
2. The page should prompt you to log in, use your standard WSU login information
   a. That is your NID and Password (the same you use to login to your email and Wireless).

   ![Guest Manager](https://example.com/guest-manager.png)

   **Guest Manager**

   Use the commands below to manage your network's guest user accounts.

   - Create Device
   - Manage Devices
   - About Guest Network Access
   - More Options

3. There should be two options available, "Create Device" and "Manage Devices".
4. Select Create Device to set up a device for MAC authentication.

* MAC Address: 
00-1A-2B-3C-4F-00
MAC address of the device.

* Device Name: 
My Thingy
Name of the device.

AirGroup:

☐ Enable AirGroup
AirGroup uses device ownership and location information to limit the printers and Apple TVs available to network users.

Ownership:

☐ Personal
☐ Shared
A personal device is automatically shared with other devices owned by the same user.
A shared device has no owner, but more sharing options are available.

Shared With:

first.last, first.m.last
Enter the usernames that will be able to use this device.
Use a comma-separated list, e.g. user1, user2, user3, or blank for all users.

Account Activation:

Now

Notes:

```
hello world!
```

* Terms of Use:

I am the sponsor of this account and accept the terms of use

- Enter the MAC Address of the device.
  i. Be sure you type it correctly, an incorrect number will not result in an error.
  ii. There is no need to capitalize letters or add dashes or colons between characters. The system is smart enough to correct for that.
- b. Please note, AirGroup and the sharing settings are no longer available.
- c. The device name is just so that you can recognize it. It is recommended to call it something descriptive.
  i. Adding a note is useful to keep track if you have a lot of devices.
- d. You must accept the Terms and Conditions.
- e. Finally, click create!

5. You can later manage the devices by selecting “Manage Devices”

- a. Click on the row of the device you want to manage.
  i. Selecting "Remove" will remove the device and revoke its WiFi privileges.
  ii. Selecting "Edit" will allow you to change settings about it.
  iii. Selecting "Print" will allow you to print an info sheet about your device.

6. Connect your device to **WSU ResNet Guest** or **WSU ResNet Guest Aruba** (whichever is available).

- a. If this fails, or prompts you to login, Please contact your RTA or ASIS Representative for assistance.
- b. You should not see a page asking for your name and email.