Wireless on U of I Campus

What we have and how to use it
And who do we have here?

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- Jason Yoon – Associate IT Specialist
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OVERVIEW

• Many options for wireless connections on campus
• What to use on campus if:
  – You are faculty, staff or student? (hint: IllinoisNet)
  – A long-term guest? (hint: does he/she have a netid?)
  – A short-term guest? (hint: UIUCNet/Eduroam)
• What is Eduroam and how is it used?
• Devices? That's new!
WIRELESS OPTIONS

• IllinoisNet – the preferred connection
• UIUCNet – the easy connection
• Eduroam – the global connection
• IllinoisNet_Devices - the gaming connection
• IllinoisNet_Start - the configuration connection
ILLINOISNET

- Secure
- Always on
- No time-out
- Auto-connect anywhere it is available
- Used by: everyone on campus with a netid
- Recommended for: everyone on campus with a netid
UIUCNET

- Secured by limiting types of internet activities (limitations)
- Times out frequently
- Requires use of VPN for some on-campus resource access to counteract configured limitations
- **Used by:** anyone with a netid, short-term guests
- **Recommended for:** short-term departmental or personal guests
EDUROAM

• Institution-affiliated network available globally
• Used by: academic faculty/students/staff
• Recommended for: academic affiliates traveling to other institutions both domestic and foreign
• Important: account and network setup must be done at the home institution prior to travel. Once at the remote location, configuration is not possible.
ILLINOISNET_DEVICES

• Special network configured for devices that cannot request user login (gaming consoles, special instruments, AppleTV)
• NOT for laptops, phones and other personal mobile devices.
ILLINOISNET_START

• IllinoisNet_Start is used to configure your laptop, phone, or tablet to IllinoisNet. Once you have successfully completed the configuration steps, you no longer need to use IllinoisNet_Start. You will be able to connect to IllinoisNet directly.
Configuring IllinoisNet
The Wi-Fi network “IllinoisNet” requires WPA2 enterprise credentials.

Mode: Automatic
Username: 
Password: 
  - Show password
  - Remember this network

Cancel  Join
Common Problems

- Wireless adapter turned off
- Old credentials stored
- Driver out of date
Wireless Adapter Fixes

• Make sure wireless is enabled on your machine.
  – quick fix, easy to overlook
  – may be a hard switch, Fn key, or soft key
  – can’t hurt to try
Common Wireless Adapter Switches
Wireless Adapter Fixes

• Make sure you are trying to connect to the proper network:

  – check your system tray for available networks

  – try alternate wireless network if available
Refresh Your Credentials

- Go to Start, search and open Network and Sharing Center
  
  - manage wireless networks
– select appropriate wireless network

– hit Remove and click Yes
Fixing a Driver

• You’ll need a wired connection for this step

• Go to Start, search and open Device Manager

• Expand Network adapters – double-click wireless adapter
Fixing a Driver

– Select Driver tab

– Update Driver…
Fixing a Driver

– Search automatically

– Install, or contact engrit-help@Illinois.edu
Fixing a Driver

• You will often see:
When in Doubt

We’re here to help!

engrit-help@Illinois.edu

217-333-1313
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*will be in Deere Pavilion, MEL

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**October**

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**November**
RESOURCES

• General wireless information:
  – https://answers.uillinois.edu/illinois/page.php?id=47722

• How to connect:
  – https://answers.uillinois.edu/illinois/page.php?id=47612

• Mobile Device Information
  – https://answers.uillinois.edu/illinois/page.php?id=51133