

# eduroam at #WLPC2024

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& eduroam person for WLPC

# A ten talk in three acts

1. eduroam at WLPC2024
2. eduroam2go
3. How you can help!

# Act one: eduroam at WLPC2024

1. 1 SP-only agreement signed with Internet2
2. 9 APs (thanks Cisco!)
3. 1 MX firewall (thanks uen.org!)
4. 1 Will Jones (thanks Will!)
5. 1 SSID
  - 5.1. 2 bands (5GHz & 6GHz)
  - 5.2. 3 WPAs (WPA3)

# Act one: eduroam at WLPC2024

1. 80 devices
2. 32 different domains
3. Six different countries
  - 3.1. .au
  - 3.2. .ca
  - 3.3. .fi
  - 3.4. .no
  - 3.5. .se
  - 3.6. .uk
  - 3.7. .us (actually .edu and .org)

# Act one: eduroam at WLPC2024

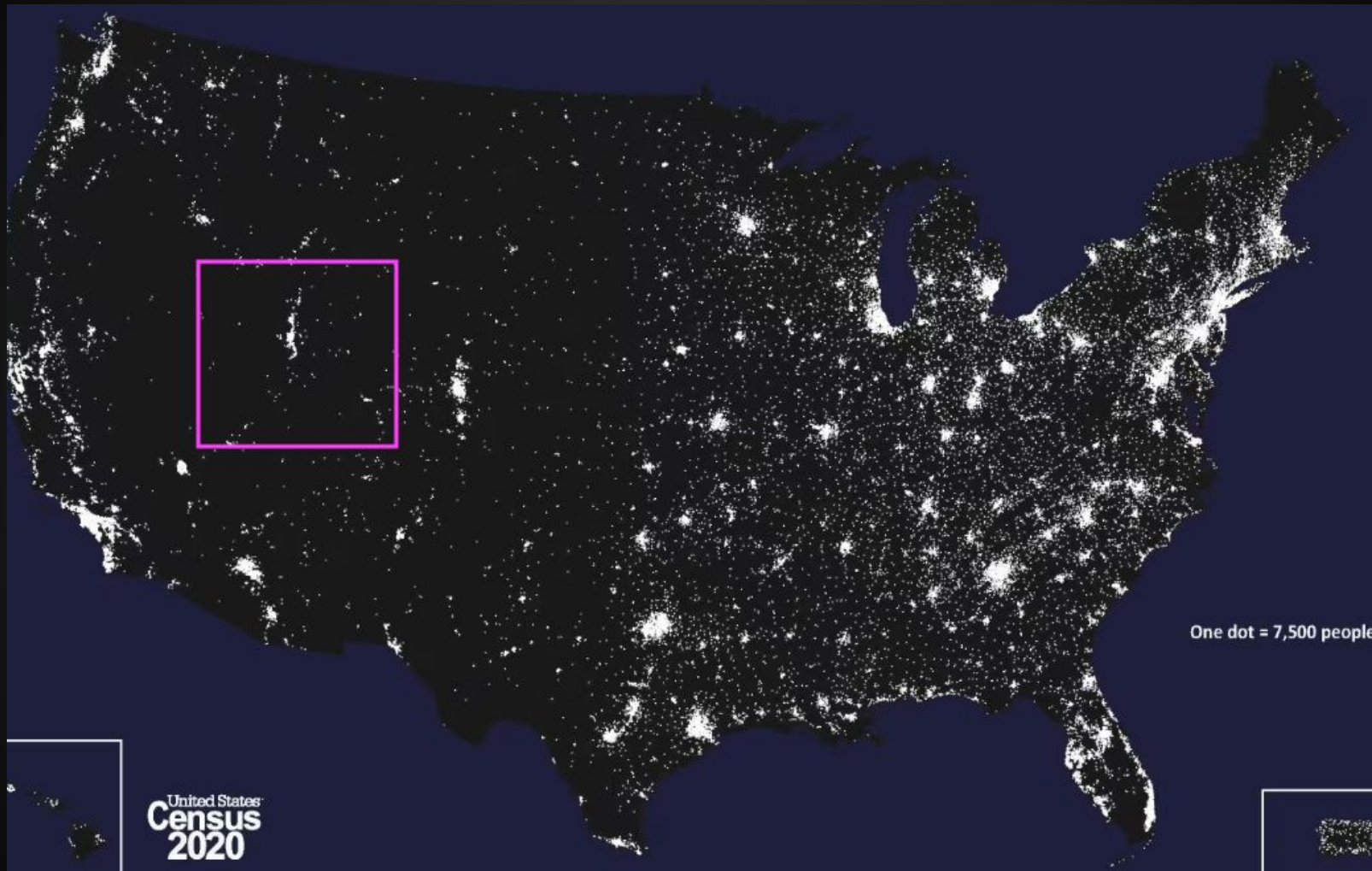
1. No issues unique to eduroam at WLPC
  - 1.1. Some stability issues likely due to uplink
  - 1.2. At least one issue at a home org found and fixed
2. Success?

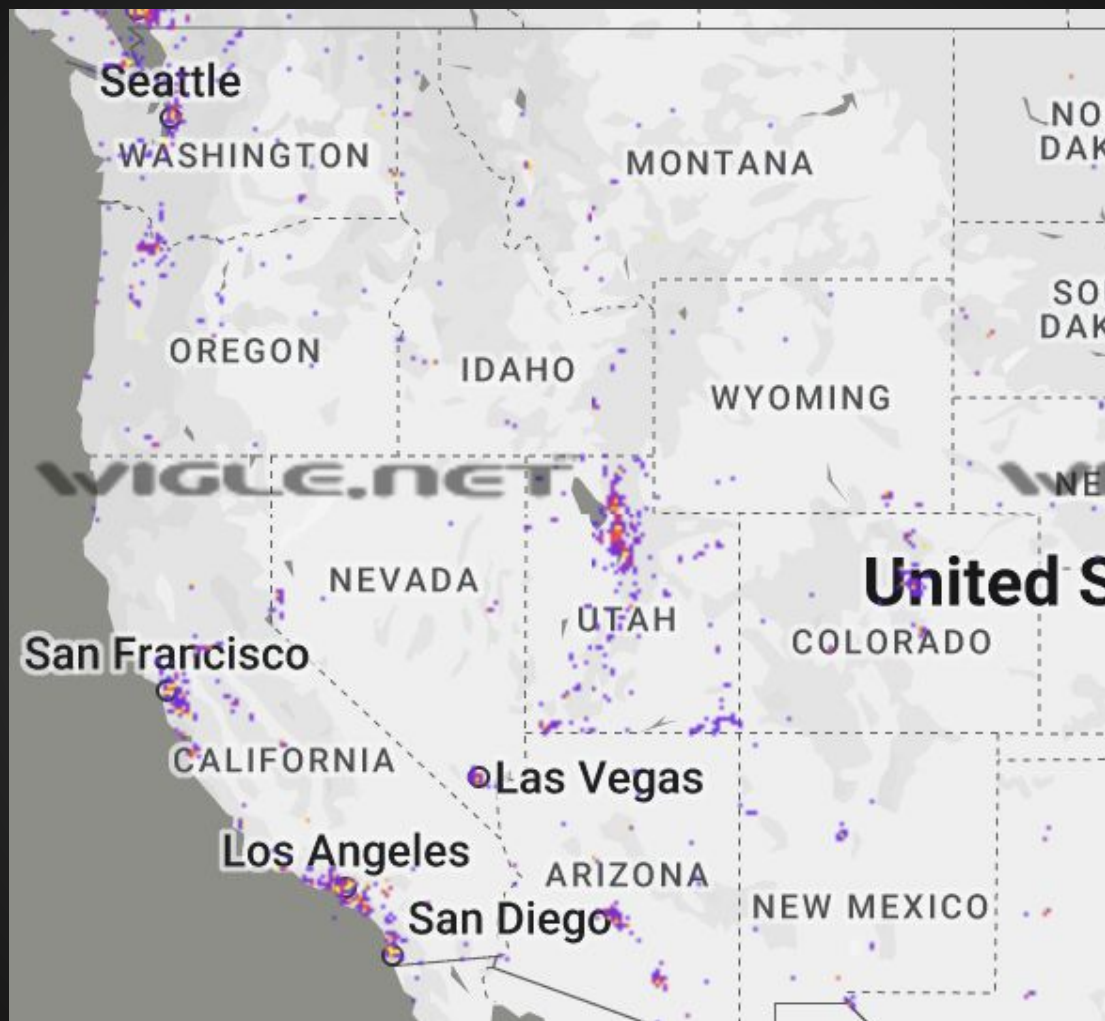
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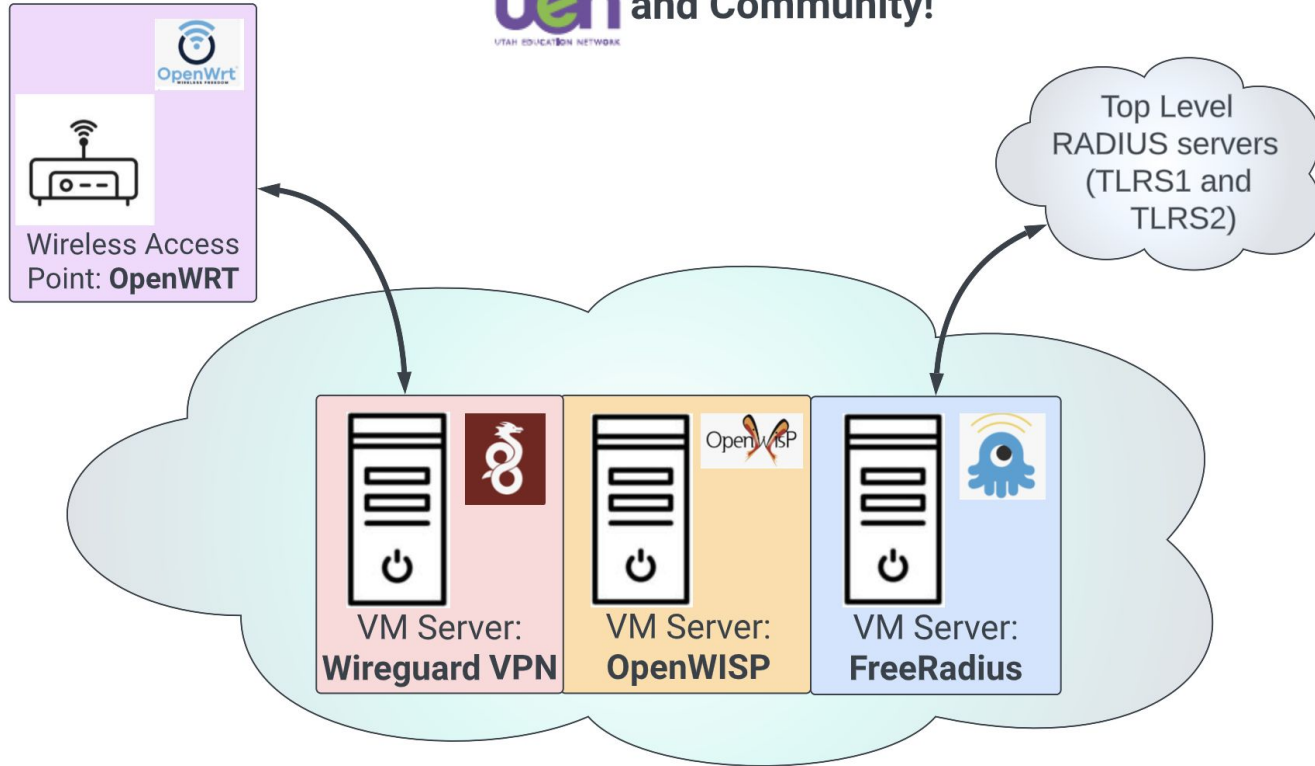






# eduroam 2 go

uen and Community!  
UTAH EDUCATION NETWORK



# Act two: eduroam2go

1. Inspired by Hideaki Goto and cityroam
2. “Zero Budget Wi-Fi” - WestNet Jan. 2022
3. eduroam2go project at Utah Education Network - 2022 -> Present
4. UNC-Greensboro - Gowtham & Rob

# Act two: eduroam2go



# Act two: eduroam2go

1. OpenWRT - <https://openwrt.org/>
2. OpenWISP - <https://openwisp.org/>
3. WireGuard - <https://wireguard.com/>
4. FreeRADIUS - <https://freeradius.org/>
5. <https://github.com/eduroam2go/docs/>

# A ten talk in three acts

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3. How you can help!

# Act three: how vendors can help

1. Have a well documented tunnel feature
  - 1.1. Anchor Controller style
  - 1.2. Encrypted
  - 1.3. Scalable
2. One-click eduroam
3. Meet your license obligations!
  - 3.1. Post the (open) source code plus build instructions
4. Unlock hardware after EOL

# Act three: how everybody can help

1. Pull requests welcome!
2. Donate gear to your local education network

**<https://github.com/lukejenkins>**