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# Network for IoT Powered by Faucet

Google Cloud

# What makes network for IoT different ?

# Where do we stand with IoT ?

- Industry status and growth
- Current network implementations for IoT devices
- Known network problems in IoT world

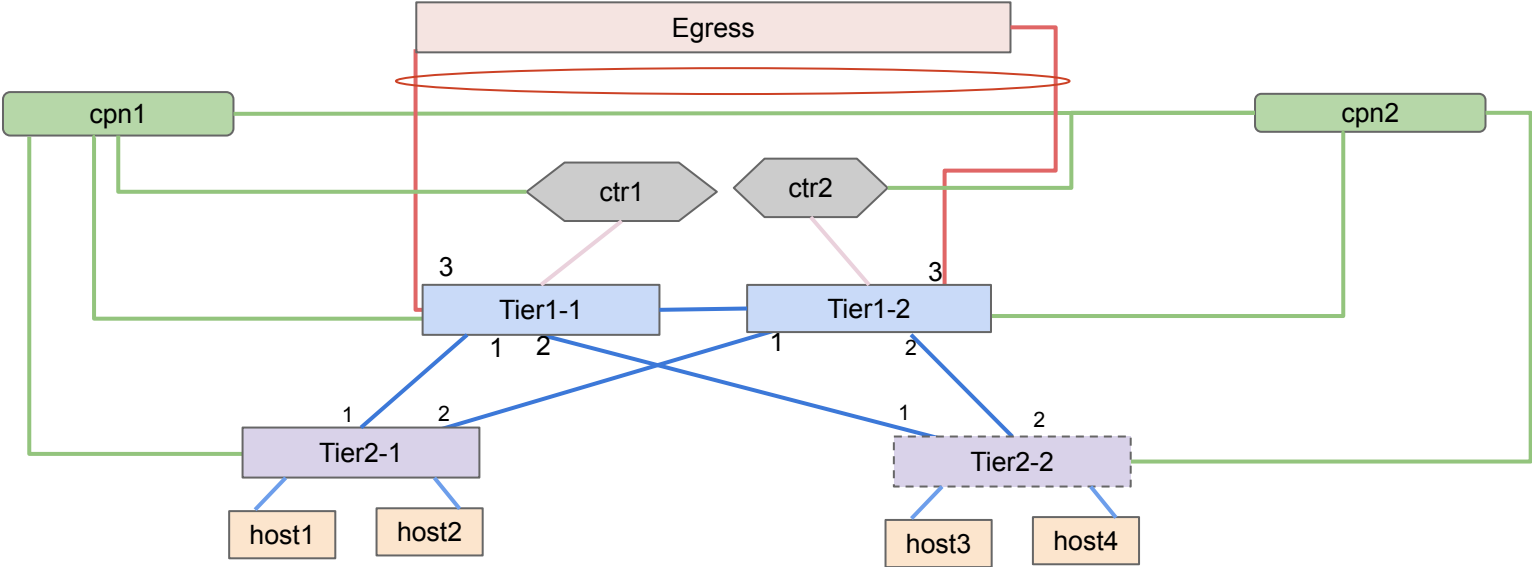
# IoT devices communication

- Known behavior of the devices on the network
- Discovered non-standard behaviour
- Security concerns
- Monitoring and troubleshooting challenges

# Why Faucet network for IoT ?

- Granular ACLs
- Limit broadcast and Multicast to required endpoints
- Fast response to changes in security policies
- Maintaining network health

# Faucet network design for IoT



# What did we learn during first deployments ?

- Devices behavior require non-standard network implementations
- Limited data availability about expected network behavior of IoT devices
- Testing requirements and automation

**Will we stop seeing  
non-standard behaviour  
on the network ?**



**Thank you!**  
**Questions?**