

Plugfest

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Outline

- Setup
 - Full week
 - One hour a day sync meeting
 - VPN used to simulate a local LAN
 - <https://github.com/w3c/wot-testing/tree/master/events/2020.06.Online>
- New Accomplishments
- Outcomes
- Next Steps - Discussion

Setup

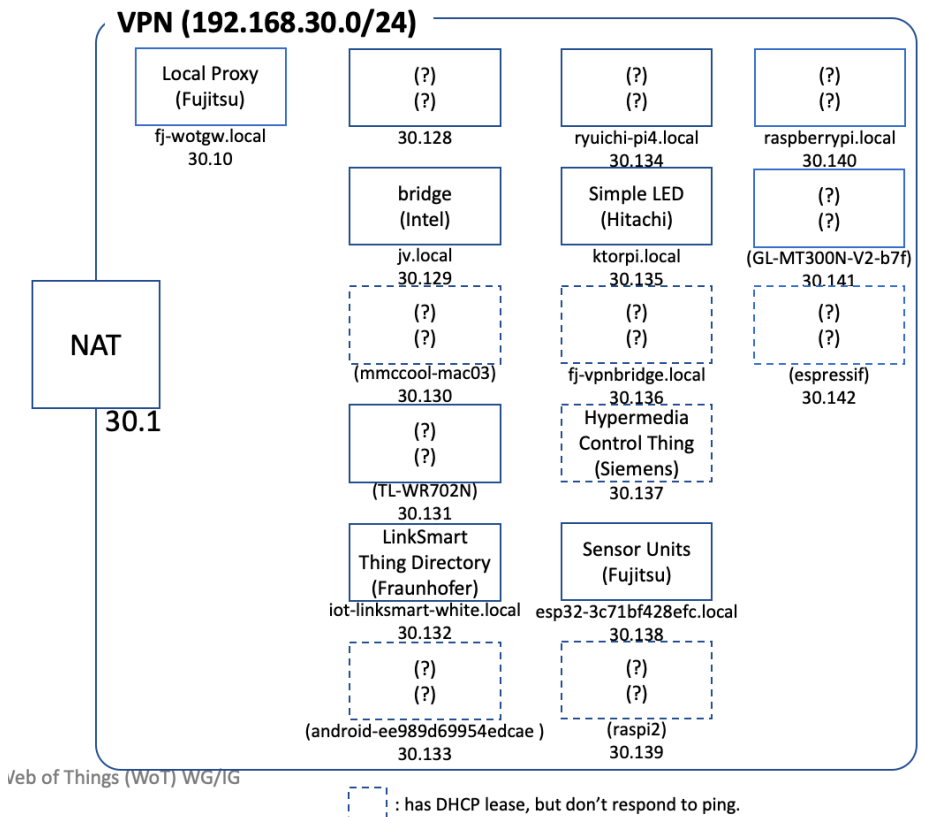
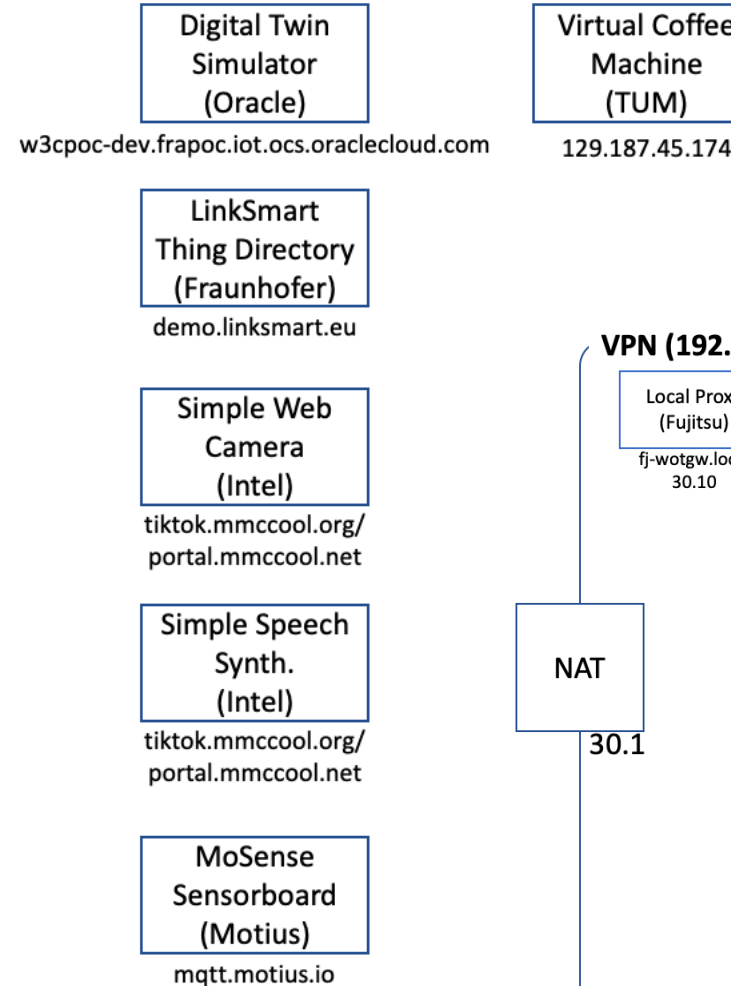
- VPN to simulate local area network behind a NAT
- NAT, DHCP server, and firewall run on small (1GB) AWS cloud instance
- Bridge so devices downstream do not realize they are sharing a VPN
- Bridge computer itself can also host services that appear on the VPN



New Accomplishments

- Searchable directory services automatically populated with TDs, supporting discovery via DNS-SD
- Autopopulation of Node-RED from directory
- Testing via W-ADE tool from TUM
- Hypermedia control prototypes

Internet



Outcomes

See issues marked with ["Plugfest Outcomes" label](#) in wot-testing:

- [Balance Validation and Experimentation](#)
- [Need to define appropriate DNS-SD service types](#)
 - More generally, typed links
- [Get Validation and Reporting tools ready before the plugfest](#)
- [Usefulness of the VPN](#)
- [Xpath features useful for discovery](#)
- [IDs needed for primary keys](#)
 - LinkSmart design tried to use id field in TD as a primary key but since these are optional, this tripped on TDs that omitted them. Information and API model of directories needs to use temporary keys.

Next Steps - Discussions

- What could have been done better?
- What should we do next time?