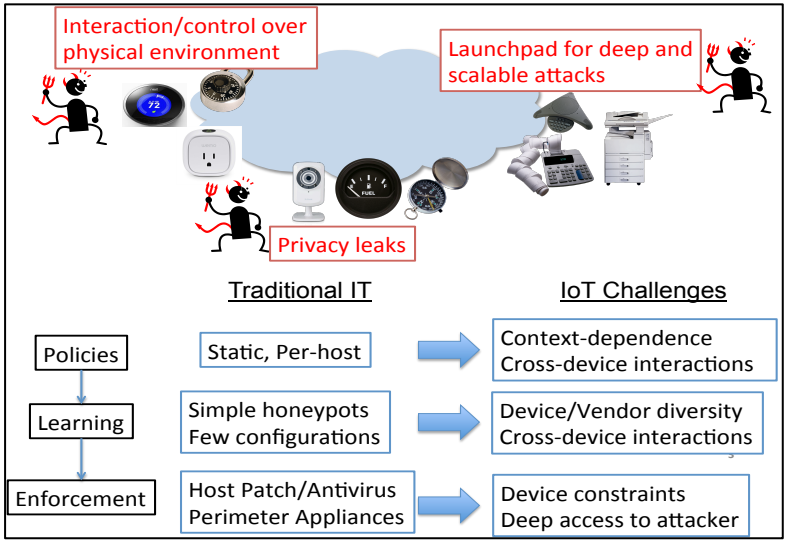
Handling a Trillion Unfixable Flaws on Billions of Internet-of-Things

Challenge:

- Securing future Internet-of-Things deployments
- Devices will have unfixable flaws
- Need new agile and context-aware network security mechanisms

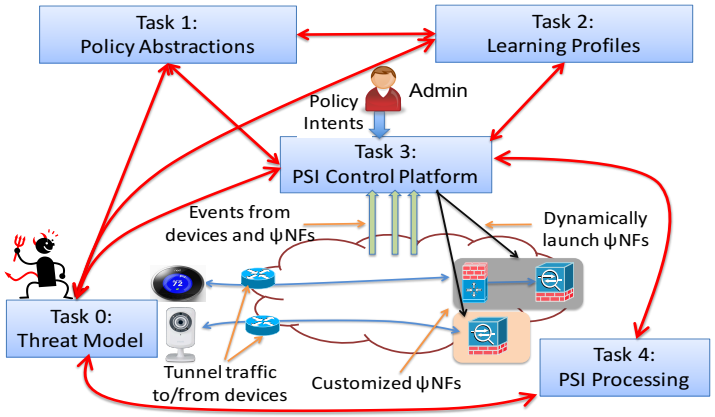


Scientific Impact:

- Develop practical bolt-on security for legacy IoT deployments
- Push the envelope in threat modeling and policy abstractions
- Develop scalable SDN/ NFV solutions

Solution:

- Software-defined network enforcement
- Develop new policy abstractions
- Develop new learning mechanisms



Broader Impact:

- unleash the potential benefits of IoT
- Secure critical infrastructures New course offerings
- Engage under-represented communities in IoT research

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