Malware can attack the Home Network at several places.
- More devices connected to the home network.
- More services available in the Home Network.
- Malware can attack the Home Network at several places.
- Future Home Networks need mechanisms for protecting devices and services.
- Need to protect various device types.
- Network traffic analysis can be performed independently of device type.

Network configuration derived from Knowledge Plane
- Measurement needs to check if all devices and services are active.
- State of Internet connectivity is checked.
- Analysis goals: check if the network operates as desired.

Approach
- Observe regular user traffic.
- Look for failed requests.

Goals:
- Determine service availability.
- Determine Internet connectivity.

AutHoNe networks observe network traffic:
- Local traffic within the network.
- Internet traffic exchanged between local users and Internet servers.
- Local traffic is analyzed for malware infected machines.
- Internet traffic is analyzed for botnet traffic.
- Analysis can be improved with security information from Antivirus vendors or network providers.

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