What we want to achieve

Bootstrap (new) devices
Any kind of device (home gateway, hosts, etc)
Netconf server might be ISP run, or one in the home
Netconf everywhere for all kinds of config
Configure any service (TV related on STB for instance)
Current draft doesn’t contain crypto&auth but we want it
Bootstrap process BR

**BR**

- RA, O=1, A=1
- DHCP REQUEST (DNS resolver, netconf, CPE host key)
- DHCP ANSWER (DNS resolver, netconf server, Netconf SSH pub key)
- Initiate NETCONF session using reverse-SSH with mutual key/cert authentication/verification
- Netconf question regarding CPE capabilities (YANG)
- Capabilities (YANG)
- Provision services available depending on CPE capabilities (YANG)

**R1**

- DHCP REQUEST (DNS resolver, netconf, CPE host key, port info)
- DHCP ANSWER (DNS resolver, netconf server, Netconf SSH pub key)

**DHCP**

- CPE host key, IPv6 address

**NETCONF**

- Netconf SSH pub key