

# Discovery of not onboarded Eve devices

Right now the onboard procedure require an onboard parameters to be specified and then the controller can accept the device.

It has some drawbacks:

- 1) If I specified wrong parameters I can't easily debug the problem, especially if I don't have the interaction with the device
- 2) The device might be slow to power up and boot the network.
- 3) Just wait some time isn't that reliable mechanism for unexperienced user

I suggest to have some discovery - namely:

A device reports some data about itself upon connecting to the controller. E.g. its hw model , some key and IP (or controller gets its IP)

I can list such devices and their availability

I can onboard a specific device from the list using my certs/some other data as it works now.

I can set a mode of "onboard any device with key" - this way an automation may happen