

# XDC 2023 - CI workshop

The plan, reality, and discussions

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# The plan

- Provide an overview of the system
- Walk attendees through our instructions:
  - Setup the hardware - PDU
  - Discover the DUT and expose it on GitLab
  - Use the DUT in GitLab CI
- Let attendees try their hands on the provided 3 gateways and 6 DUTs



# Reality

- Provided an overview of the system 🙌
- Walked attendees (~15) through our instructions:
  - Setup the gateway / PDU 🙌
  - Discover the DUT and expose it on GitLab 🙌
  - Use the DUT in GitLab CI 😬
- Let attendees try their hands on the provided 3 gateways and 6 DUTs

## Discussion

# Fastboot support

- Treat USB hotplugs like an PXE/iPXE request
- Try to use fastboot on every new USB hotplug
- Use fastboot to get the machine's serial ID, then send the boot config

## Discussion

# Apple M1/2 support

- Use m1n1 to control the boot process
- Shows up as a fixed USB device ID for the control channel and serial logs
- Use the machine's serial ID as a machine ID
- Will require adding support for more parameters (m1n1 binary, firmware version)

## Discussion

# Boot2container support for using unpartitioned space between partitions

- Needed for Asahi Linux (recovery partition is always at the end of the disk)
- Should be easy

