



# Vertical slice / FLP

VS meeting – 29/11/2019 – [Sylvain.Chapeland@cern.ch](mailto:Sylvain.Chapeland@cern.ch)

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# Outline

- Summary status of items to be discussed today
  - Monitoring integration
  - Deployment of FLP software
  - QC
- FLP requirements for initial VS tests

# Monitoring

- O2 monitoring framework in production
- Running in O2 lab and detector setups
- Dedicated instance will be installed on VS
- Gets data from system, readout.exe, QC, ...
- Easy to add data sources from provided APIs

# Deployment of FLP sw

- Plans for VS
  - OS installation with Foreman *(done)*
  - RPM-based packaging & install, from YUM repositories
  - Ansible for host software deployment and system configuration
- Used already in O2 lab and detector setups

# QC

- QC framework in production
- Running in O2 lab and detector setups
- VS tasks to be defined
- VS connected to main (GPN) CCDB
- Framework code and user code in same repo:
  - <https://github.com/AliceO2Group/QualityControl>

# FLP requirements for initial VS tests

- Test of hardware / software synchronisation
  - Multiple CRUs, LTU, readout.exe
  - Starting, stopping, pausing, flushing, timestamping, ...
  - Functional and performance tests
  - Understanding and tuning of dataflow parameters
  - Check behavior with typical error conditions
  - Still to be done first small scale in O2 lab (hw available since this week)
- Needs to be done in VS before more components are added to the dataflow
- Then: add more FLP components in dataflow, operation, control, etc