

DAQ Consortium Back-End & Computing Working Group

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DAQ Consortium Meeting

26-Sep-2017

WBS L1 Areas

The following four areas fall under this working group:

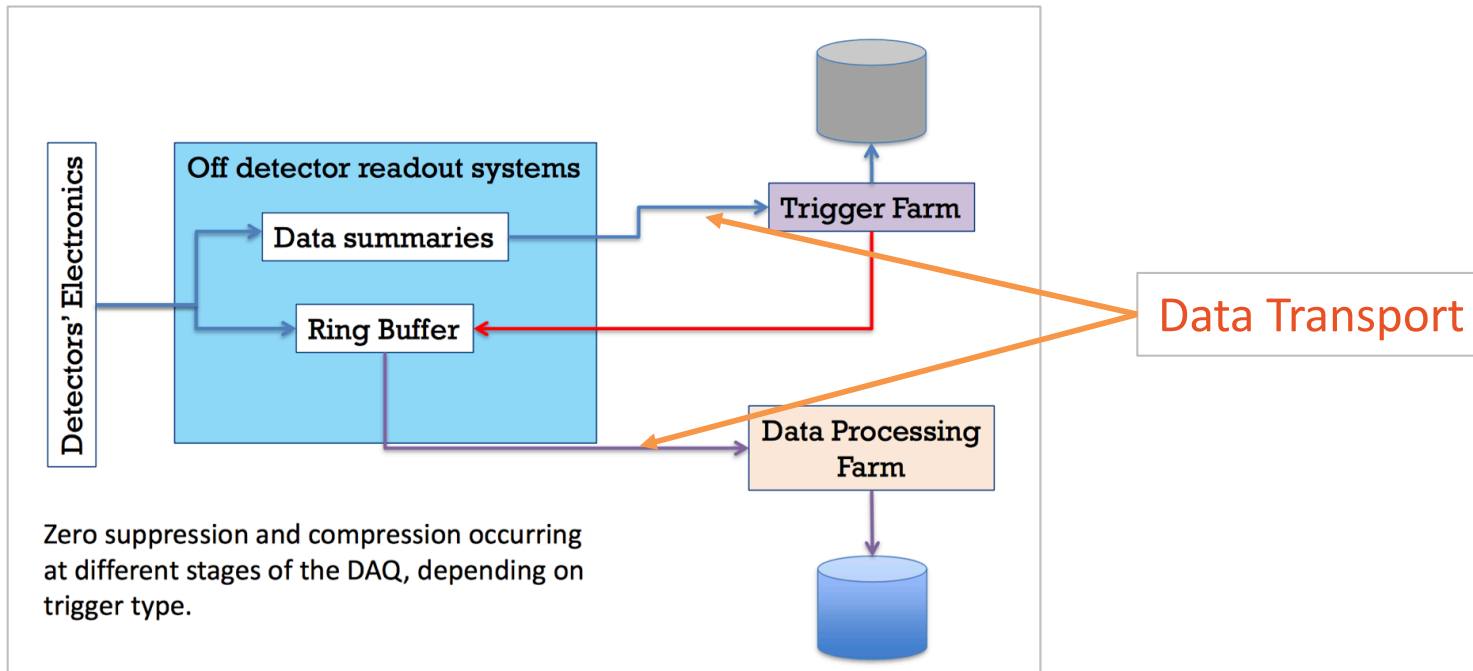
1. Coordination
2. Physics and Simulation
3. Readout Hardware
4. Data Transport
5. Computing System
6. Online Software
7. Run Control and Data Management
8. Trigger and Timing

Later slides provide information on scope.

4. Data Transport

Different architecture decisions => different meanings for DT

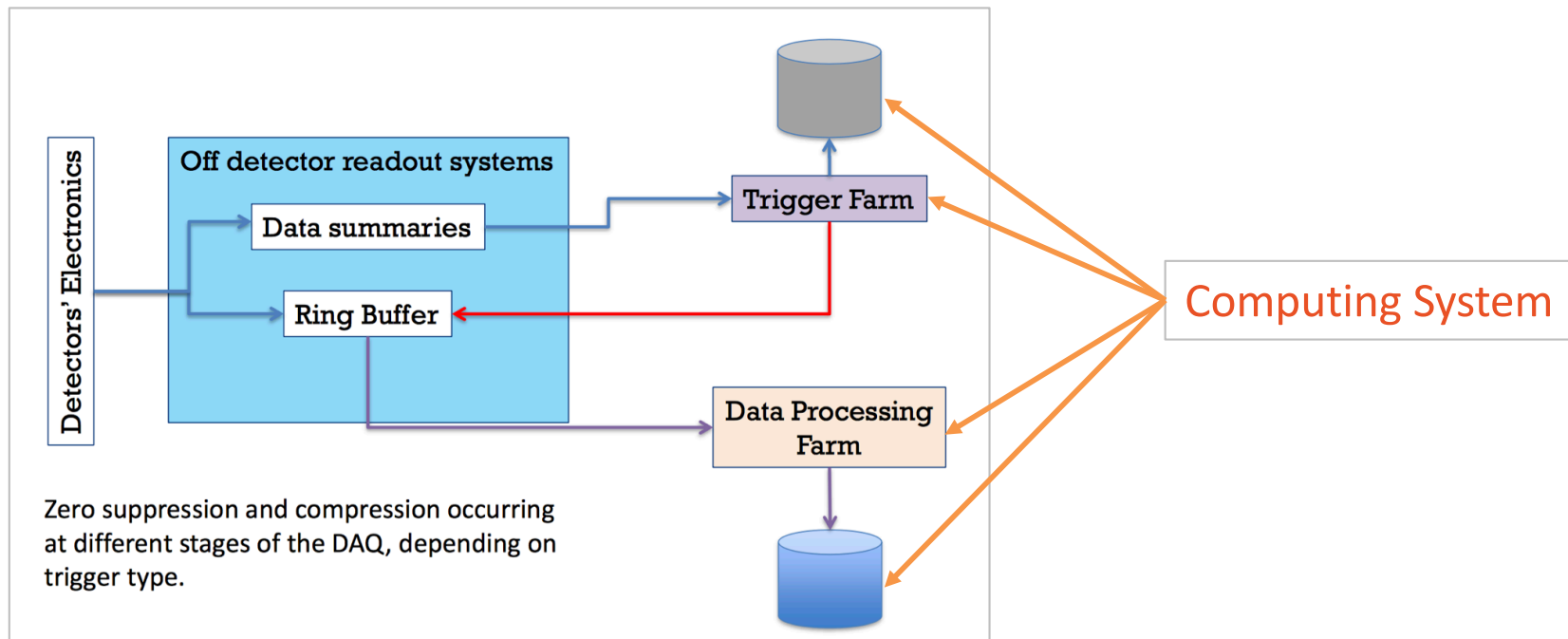
First-pass-reference (FPR) design: conventional networking



5. Computing System

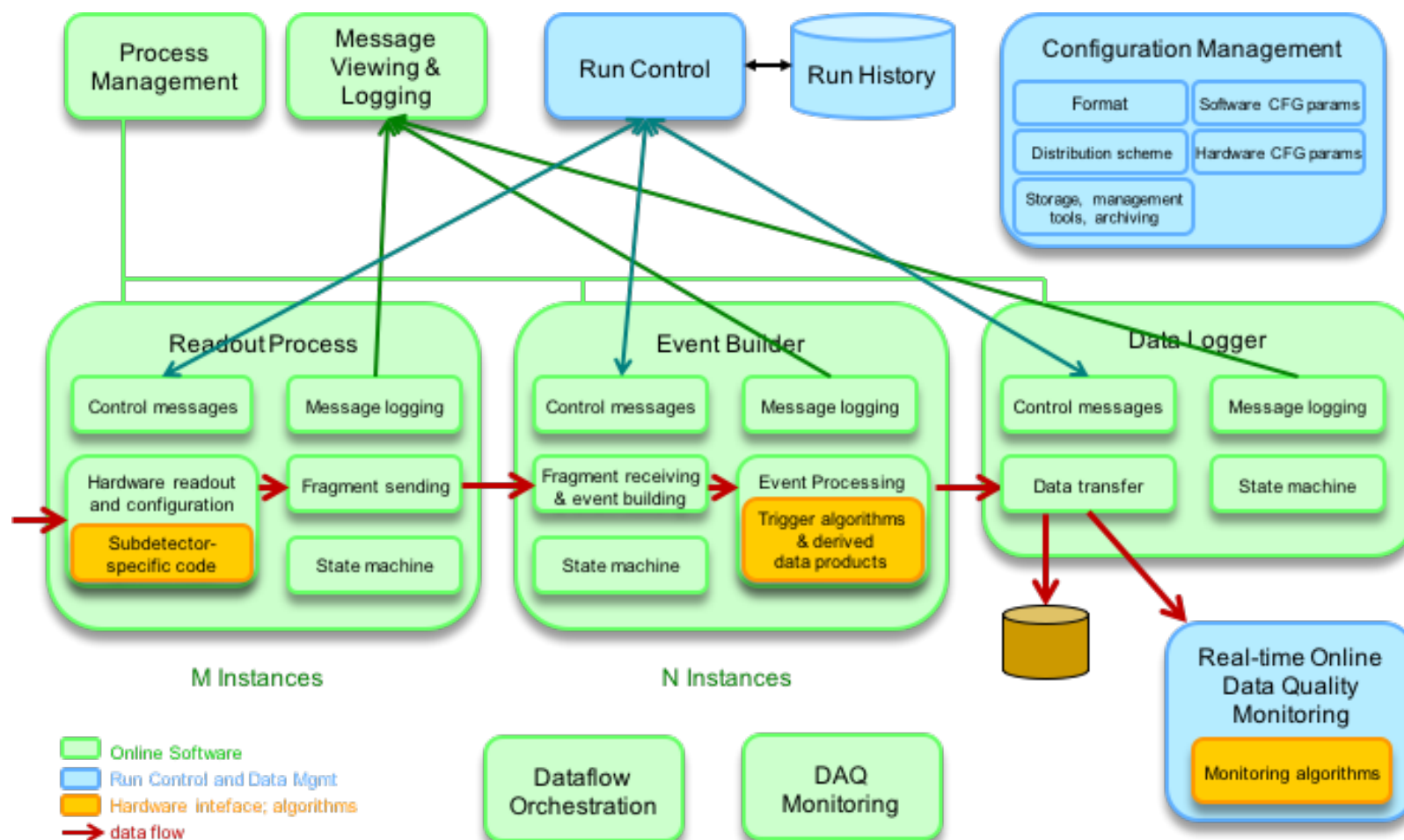
First-pass-reference (FPR) design:

- Commercial servers and components
- Size of system varies based on architecture choices



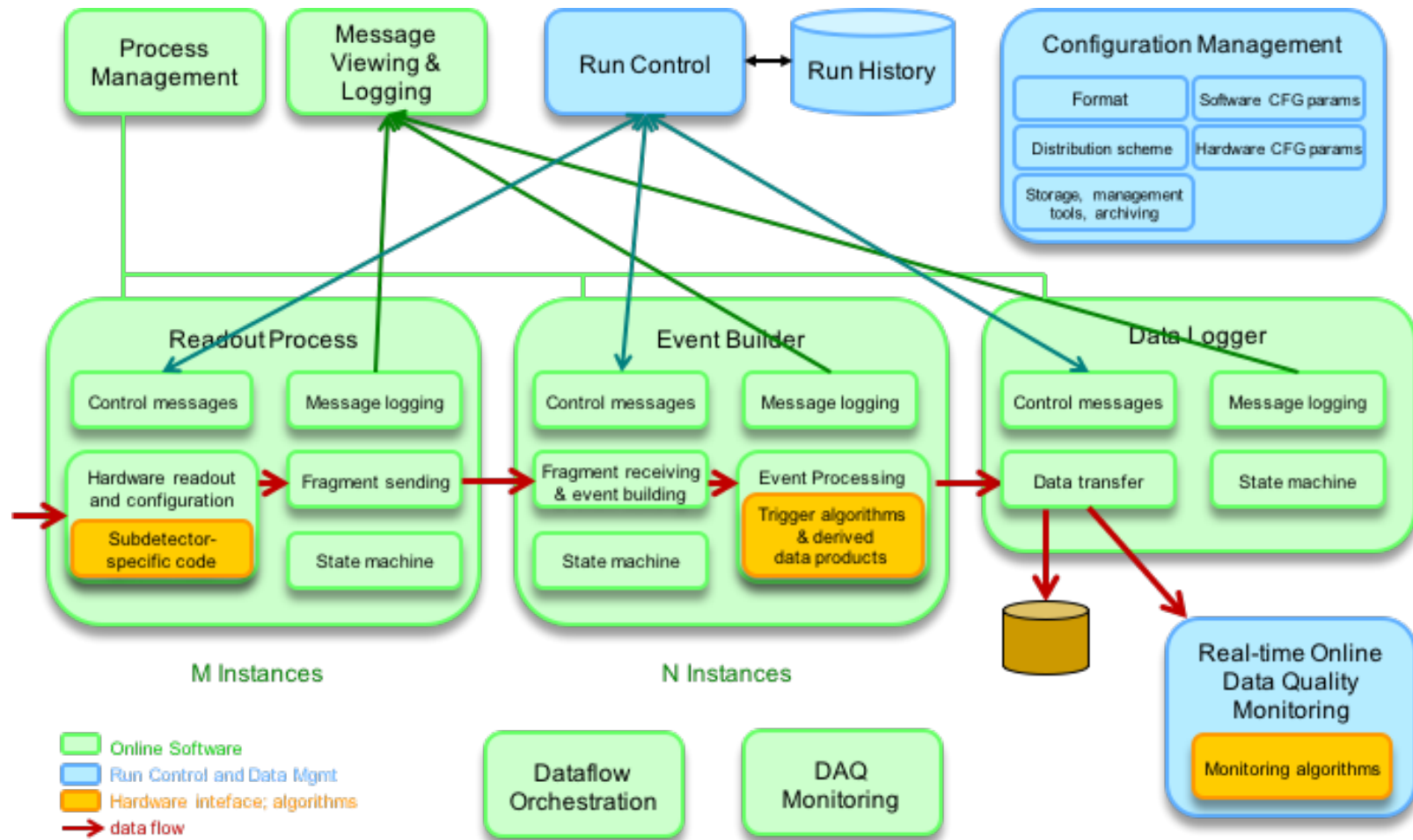
6. Online Software

Online Software in green



7. Run Control & Data Management

Run Control Software in blue



Getting Involved

Studies mentioned in Giles' talk yesterday:

- Computing needs in various scenarios
- Computers underground vs. on surface

Additional work:

- Start adding details to scope (e.g. data transfer to offline)
- Other tasks identified in design discussions

Giovanna has expressed interest in this WG on behalf of CERN.

Other interested parties - please email me (biery@fnal.gov).