

The OLYMPUS DAQ

Status and working plan

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Overview

Status

- Software development
- Hardware order status
- Network planning

Future milestones

- Olympus infrastructure
- Network infrastructure
- Connection to DESY

Status - Software

Test setup in the lab completed

- Implementation of high level functions:
Already taken millions of synthetic events
→ done
- Integration of new APV-readout boards into the DAQ framework: Readout of the VME-modules is working fine, automatic configuration needs to be finalized → done

Status - Hardware

- 3 VME CPUs have been ordered to be able to support the first tests of BLAST hardware at DESY (up to 3 months delivery time)
- The SYNC-system hardware is available and tested
- Waiting for BLAST modules to test readout
- Testboard and documentation of JLAB APV-Readouts
- Wirechamber readout (PECOS 4?)

Timeline

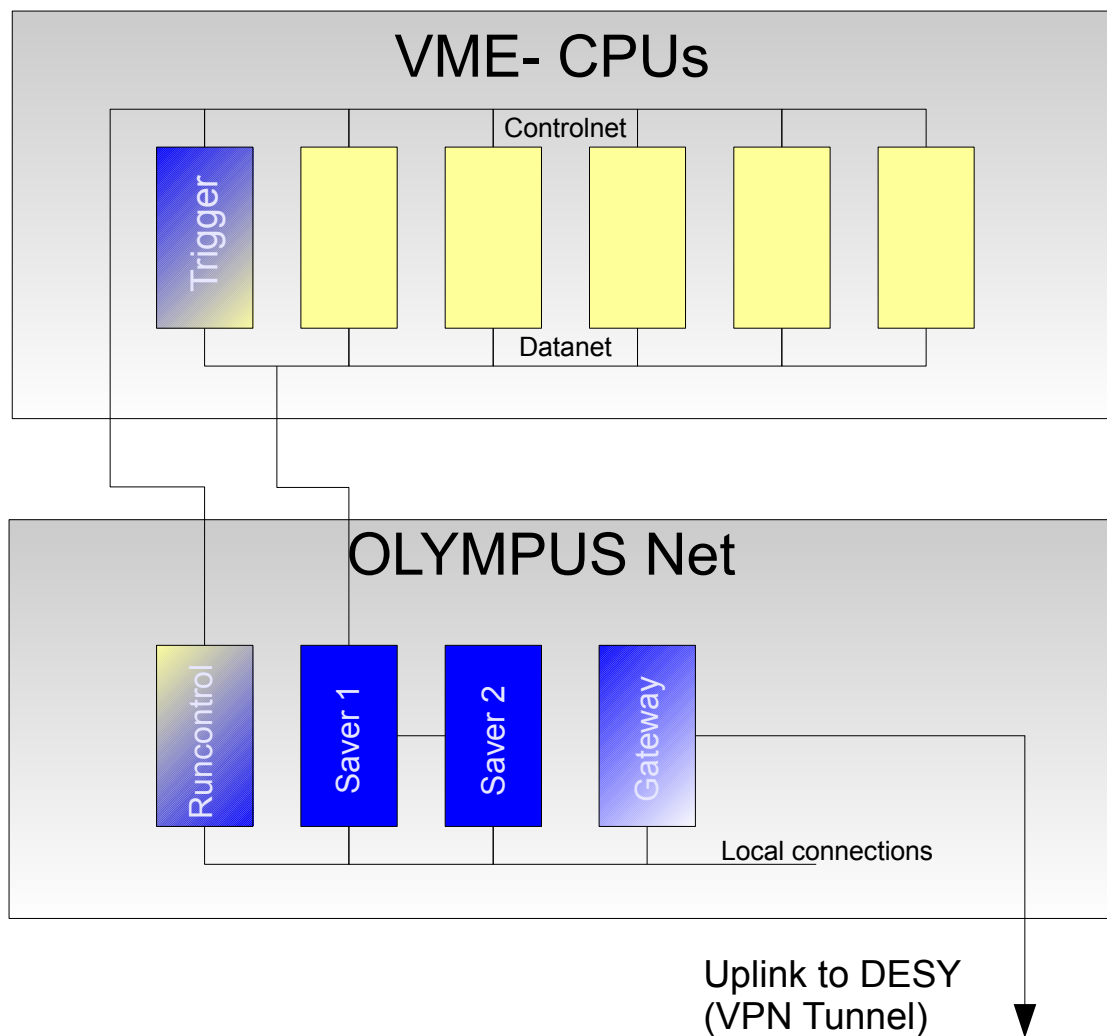
Aim:

- Have initial software ready before the detector arrives
- Test all available hardware

Todo:

- Finalize data format in collaboration with MC-group
- Reorganize/document software

Status - Network planning



Milestones – Electronics hut

Detector electronics

- ~ 5 racks
- Aircondition for cooling

Computer infrastructure

- ~ 1 rack
- Network uplink
- Aircondition for cooling

Detector lab

- Workstation for testing
- Soldering workplace
- Tool storage
- Cable storage
- Spare electronics storage

Electronics hut continued

- Infrastructure
 - Power supply for all racks (needed wattage, phases, considerations concerning ground distribution)
 - Cooling capability (AC)
 - Available Racks
 - Uplink to DESY network (fibre)

This should be prepared as soon as possible!

Electronics hut/Counting room

- Detector lab
 - Storage space (storage racks, desks, chairs etc)
 - Power (separated from Readout)
- Counting room
 - Preferably in the DORIS building
 - Network connection
 - Furniture (see above)

Is there a central DESY service?

DESY infrastructure/network

- Identify responsible DESY contact persons
- Establish infrastructure before detector parts arrive
- When will office space be available?

Summary / Next steps

- Software development will continue at Bonn to be ready for testing at DESY in early summer
- First hardware is available for testing. Full orders will be placed once the DFG-grant is approved
- Responsibilities and contact persons have to be clarified
 - Infrastructure work in the electronics hut has to start soon