

TriDAS and Tower integration tests

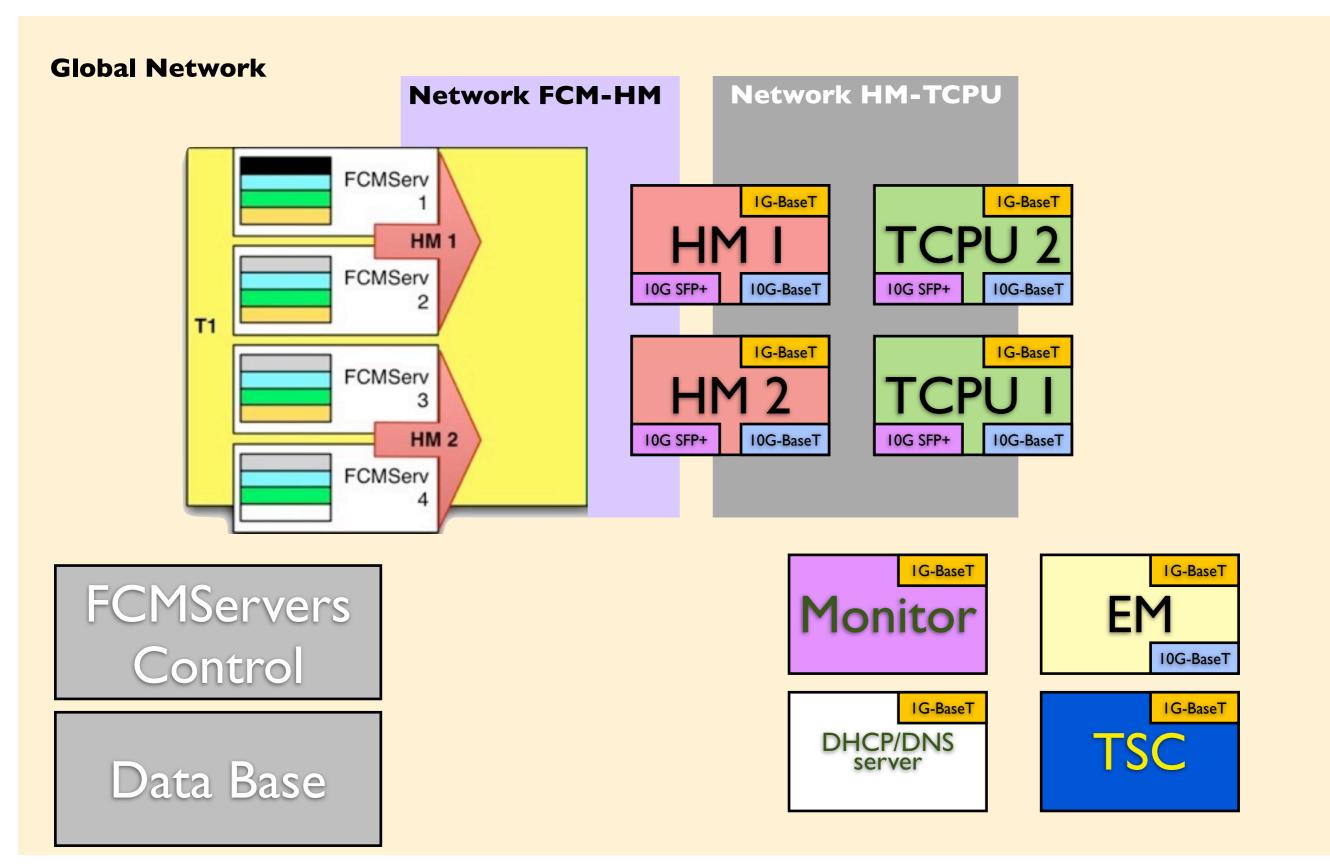
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Integration tests for TriDAS 4 FCMServers+ 4 Terasic **FCMServ** From I floor to 14 floors Interface Masters HM₁ **FCMServ** T1 **FCMServ** 10G-BaseT HM₂ **FCMServ** 10G SFP+ 10G-BaseT 10G-IG-BaseT **TSC** EM 10G-BaseT 10G SFP+ 10G SFP+ 10G-BaseT 10G-BaseT IOG SFP+ 10G-BaseT 10G SFP+ 10G-BaseT IG-BaseT **Monitor FROM FROM FROM FROM FROM** TO TO **TCPUs TCPU TCPU FCMServer** HM **FCMServer** IG-BaseT DB 2

Network Layout - draft



Preamble

Primary Validation of TriDAS functionalities:

@ TestBench in Bologna

In this context:

TriDAS is **serving** the tower validation

Naturally, also a TriDAS validation will be possible, but o(...)

(hopefully...)

Kind of useful measurements offered by TriDAS

- measurement of PMT single rates
- measurement of L1 trigger rates
- raw-data dumping
- post-trigger file dumping

Connections to other test-items:

- Data Integrity from FCMs/FCMServers
- Time Calibrations
- LedBeacon

Requests from TriDAS WG

- Stress Test (max rates with all floors)

Requests, please!

- Raw data are ok?

- The post-trigger dataformat will be changed, possibly - but not decided yet.

At the moment the Phase 2 PT-format is expected for tower integration tests

Waiting for requirements from various items