ROMANIAN SITES – FUTURE PLANS

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RO-14-ITIM & RO-16-UAIC

RO-14-ITIM:

- We are looking to improve the middleware. We are changing gLite to EMI

- We are improving the storage capacity for analyzing ATLAS data in the near future

- Acquisition of a High Performance Computing system based upon blade technology (28 nodes, 2,4 GHz, 16 core, Intel Xeon Sandy Bridge E5-2665, 64 GB/node, 500 HDD, 20 TB) - HPC
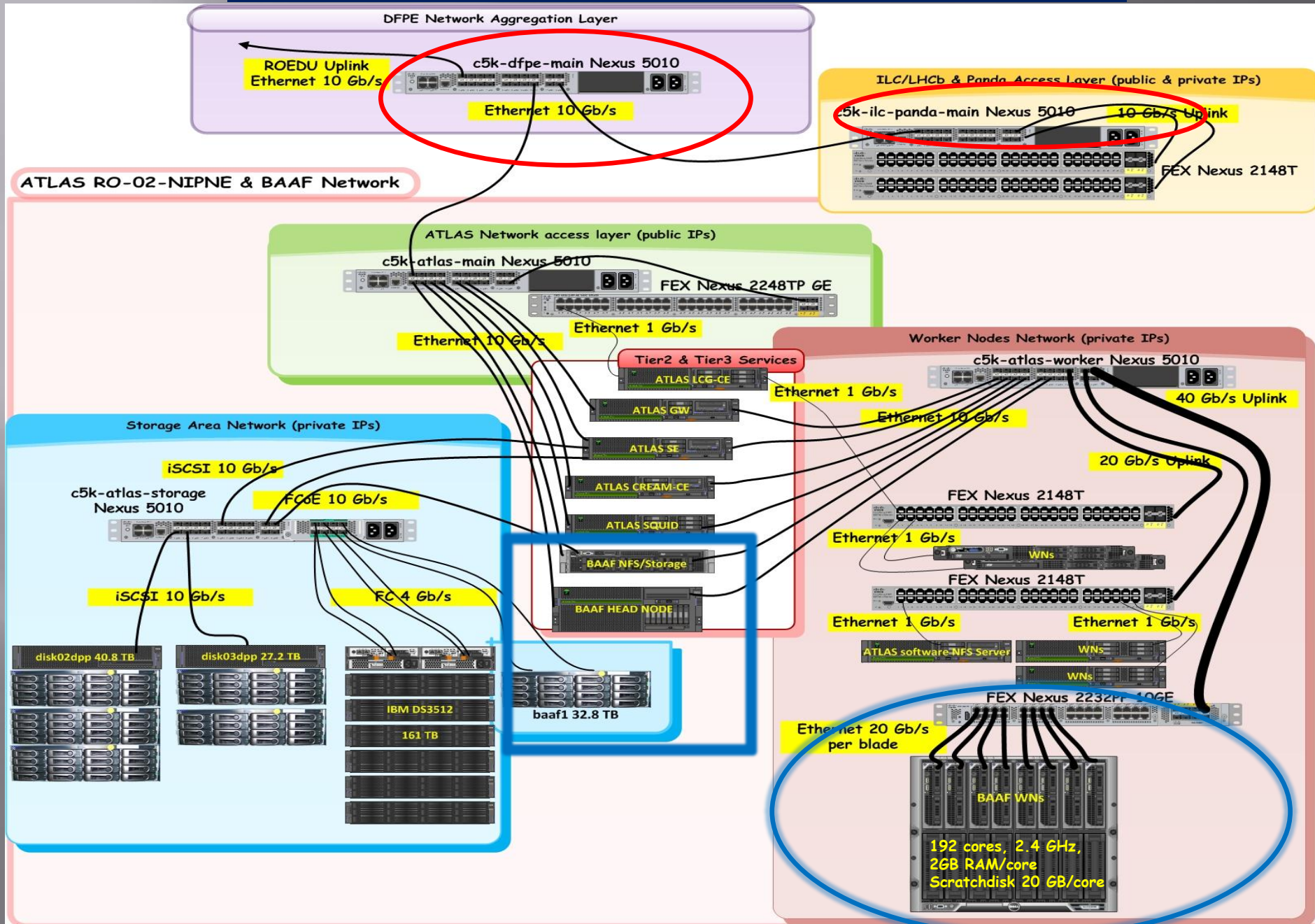
RO-16-UAIC:

- We are improving the storage capacity for analyzing ATLAS data in the near future --- from 80TB to 160TB

Near future:

- Deploying CVMFS on WNs

- Starting perfSONAR tests using the already deployed machines. They are 1 Gbps connected, but at least one of them could be connected on 10 Gbps if necessary.

- Monitoring and trying to improve file transfers and our SE.

- Transition our BAAF local cluster to a Tier3g – deploying a new cream-CE serving Tier3 and dedicated to analysis
  8x Dell PowerEdge M610 (2x Xeon 6c, 48GB RAM, 500GB HDD, 2x 10 Gbps Ethernet; total 96 (192) cores not using (using) HT
  Storage server: Dell PowerEdge R710 (2x Xeon 4c, 24GB RAM, 2x500GB HDD, 2x 10 Gbps Ethernet, 2x 10 Gbps FCoE CNA)
  DAS: Promise VTrak E610fD: Dual controller, FC 4Gbps, 16x 3TB HDD SAS 3 Gpbs
  Headnode: the actual masternode 2x Xeon 4c, 16GB, 7TB storage space

RO-O2-NIPNE Grid Site

End of the year:

- Deploying another 8 blades to Tier3

- Depending of future budget upgrading Tier3 dedicated storage and network

- Migrating from gLite 3.2 to EMI

- Monitoring and trying to improve file transfers.

2013:

- Transforming RO-O2-NIPNE completely(?) to a Tier3g dedicated to analysis

RO-07-NIPNE:
future plans

RO-07-NIPNE: FUTURE

Hardware development for the future:

➔Installing another 100TB storage
➔Network upgrade in the data centers – new equipments
➔Upgrade for the uplink to RoEduNet – new equipments and a new backup link to our network provider – it will effect RO-07 and RO-02

RO-07-NIPNE: FUTURE

Software development for the future:

➔Installing and configure a new SE – could be the xrootd for xrootd federation with RO-02
➔Installing 4 perfSONAR servers – 2 in the data center, another 2 in RoEduNet location
➔Migration from gLite-3.2 to EMI

RO-07-NIPNE: FUTURE

Main goals for the future:

➔ Joining to LHCONE

➔ Becoming a T2D

RO-07-NIPNE

THANK YOU!
On behalf of
Serban Constantinescu
Teodor Ivanoaica
Mihai Ciubancan