

ENOC status

LHC-OPN meeting – 2007-01-12, Cambridge

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- BGP status monitoring:
 - ASPDrawer: How it works?
 - Quick overview of the maps;
 - Next steps;

ENOC workplan

- BGP status;
- E2ECU collaboration;
- Monitoring/surveillance of the OPN.







- selective pooling

- store only changes

- Each x mins (D=60)

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eGee

Detailled MIB usage





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ASPDrawer (cont.)

- https://ccenoc.in2p3.fr/ASPDrawer/
 - AA based on certificates (instructions circulated on the routing ML);
 - Ask Guillaume for any comments / issues / requests.
- What does a map show?
 - Currently used links (preferred routes);
 - Are the backup routes announced and usable?
 - Routes outside the OPN to reach the sites.

• Possible issues:

- Security issues?
- To pool via the OPN is maybe liable to problems in case of outage.
- How to show that 2 prefixes of a site among 3 are not reachable?
- What is a reasonable pooling rate (currently every hour)?
- Is an on-demand pooling useful (in case of tests for instance)?



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- Current status:
 - Currently monitored: CERN (R1 and R2), FNAL, FZK, IN2P3;
 - Currently missing: ASGC, BNL, CNAF, NORDUGRID, PIC, RAL, SARA, TRIUMF;
 - If you find it useful, please consider to join:
 - SNMP read-only access from cclhcopnmon.in2p3.fr (193.48.99.80);
 - Community string up to you.
 - If not, please provide feedbacks how to improve it!

• Next steps:

- Behaviour in case of outage (will the polling still work?): to be checked during the backup tests.
- Historic of changes (evolution of the maps);
- Alarms when something changes?



- BGP status monitoring:
 - Prototype OK: now need the comprehensive set of the OPN BGP peers;
 - Next steps: behaviour in case of outage, historical maps, alarms.
- E2ECU:
 - Planned end of the transition phase: beginning of January (see update on the E2ECU);
 - The E2ECU is now almost OK (pilot service) → integrated in the set of "standard" NREN NOCs (with particular procedures);
 - Need to sort out details on procedures and validation;
 - The whole picture needs to be drawn:
 - Problems with regards to GGUS tickets; what about maintenance not announced by the E2ECU?
 - Will work together with Dante to sketch the whole picture.





- This is the current picture as we understand it (only for L2!):
 - Needs to be detailed to cover all the different cases of operational notices (coming from T1s, from US, others...);
 - Does the T1s need the GGUS reference?
- Needs to detail the procedures in case of layer 3 incidents!
- **Procedures finalization is the next step:**
 - Deadline: end of January.



ENOC workplan (cont.)

- Monitoring/surveillance of the OPN:
 - ENOC OK to do the monitoring/surveillance of the OPN;
 - Waiting for the monitoring WG:
 - What is to be deployed?
 - Needs to merge the requirements of the various groups (security, routing, operations, ENOC) to derive the monitoring requirements.

Questions?