

# SAM-NAGIOS probes on EMI testbed

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## Two levels of monitoring for EMI Testbed:

- *low-level monitoring* - hardware, networking, operating system -> NAGIOS, LEMON .. no grid services topology info needed
- *service-level monitoring* - checking availability and validating functionality of Grid middleware services -> SAM-NAGIOS, environment and info on grid services topology needed

- Probe checking a Grid service requires environment for execution:
  - find service endpoints
  - CLI/API providing access to Grid services
  - Grid user credentials (Grid proxy) for accessing services which require GSI authentication.
- EGEE Nagios-> using gLiteUI + environment configuration for execution on WNs, discovery of topology from BDII/GOCDDB

- Current SAM-NAGIOS production version DOES NOT Integrate new EMI Probes
- Monitoring on testbed is then done:
  - ARC: NAGIOS configured with some pre-EMI probes + some EMI probes
  - gLite/dCache : Current production SAM-NAGIOS with old probes (gLite UI + BDII derived topology)
  - UNICORE: Nagios delivered with OpenSuSe, integrating Unicore probes

<https://twiki.cern.ch/twiki/bin/view/EMI/EMITestbedInventory>

- EMI PROVIDES
  - Probes for services
  - Metapackage with dependencies
  - SAM-NAGIOS environment for probe execution
- EGI PROVIDES
  - SAM-NAGIOS framework integrating EMI probes into Nagios environment
  - topology configuration
- Tests on new probes + new SAM-NAGIOS framework on EMI Testbed

- EMI-JRA1

- New probes coverage (25 out of 33) ([link](#)): gLite/dCache (17/23), ARC (4/5), UNICORE (4/5)
- Probes released, some dependencies removed (reported in doc)

- EMI-RELEASE

- Metapackage (DONE)
- UI/WN SAM-NAGIOS env configuration (Requested INFO TO EGI)

- EGI

- EMI Probes integrated in SAM-NAGIOS (Waiting for EMI -> In turn waiting for info from EGI)
- Topology Configuration: TBD once released new SAM-NAGIOS

# Thank you... questions?

