



Enabling Grids for E-science

Security Monitoring in EGEE

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- **Detecting operational problems or even incidents**
- **Help sites to keep their resources secure**
 - Warning sites exposing vulnerabilities
- **Only a basic set of probes currently**
- **Main focus on higher levels (ROC, project)**
 - Provide the project and ROC (OSCT) with information about site status
 - not concerned with site level
- **No special privileges required from sites**
 - Only public interfaces used
- **<https://twiki.cern.ch/twiki/pub/LCG/OSCT-EGEEIII-tasks/security-monitoring-v0.12.pdf>**

- **A few SAM tests used**
 - CRL, file permission checks, Pakiti (patching status)
 - Results encrypted and only available to ROC security contacts
- **Further focus on Nagios-based framework**
 - Project and ROC view
 - § SAM probes ported
 - § Tests to be launched from ROC-level Nagios
 - Results collected in a standard way via message bus
 - § Encryption must be applied – under discussion
 - Access allowed to ROC security contacts and site admins
 - § Synchronized with GOC DB
 - Hopefully new probes will be developed
- **Check also poster #25**

- **Open source tool to check patching status**
 - <https://www.sf.net/projects/pakiti>
 - Any site can run its own Pakiti server to monitor internal machines
- **Server evaluates packages installed on clients**
 - Detects security patches not applied
 - Allows for searching for particular vulnerabilities (CVE)
 - § Proved very useful recently (CVE-2009-2692, CVE-2009-2698)
- **Currently maintained by OSCT**
 - A lot of improvements applied recently
 - New version designed and prototyped during summer
- **OSCT operates Pakiti server for EGEE**
 - Information collected with SAM/Nagios probes (WNs)
 - Only OSCT members allowed to access

