



Enabling Grids for E-science

SA3: TCD Report

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Location ***CESNET, Prague***
Event ***SA3/JRA1 All Hands Meeting***

www.eu-egEE.org



- **36 PM**

- Eamonn Kenny (24 PM – 75% funded, 25% unfunded)
 - TSA 3.4 (24PM)
 - *Multiplatform Support*
- John Walsh (12PM unfunded)
 - TSA 3.1 – 4PM , 3.2 – 8PM
 - Security Infrastructure + other tasks

- **Approx 30 Physical boxes**
 - Mixed vintage
 - 8 High end servers (Dual SMP + 16GB Ram)
 - Some boxes > 3.5years old, EOL
 - *Will replace with 16+ high end servers (Dual AMD + 4GB ram)*
 - *Newer servers will enable greater range of TB and porting scenarios*
 - Heavily depend on Xen based virtualisation

- **“Proposal for multi platform support in EGEE-III”**
<https://edms.cern.ch/document/7940578/5>
- **MSA 3.2a Milestone report: “Strategy and roadmap of the EGEE multi-platform support”**
<https://edms.cern.ch/document/947910/1>

- **gLite Middleware: SL5 x86/x86_64, Debian 4 x86/x86_64 with VDT 1.6.1/1.8.1/1.10.1**
 - VDT builds from source
 - VOMS
 - LCG-DM
 - gfal
 - wms-utils
 - Gridsite
 - dcache-client
 - AMGA
- **ETICS: Platform specific issues, Python 2.5 32/64-bit on 64-bit platforms**
 - LSB related issues
 - Packaging issues
 - Non-standard configurations

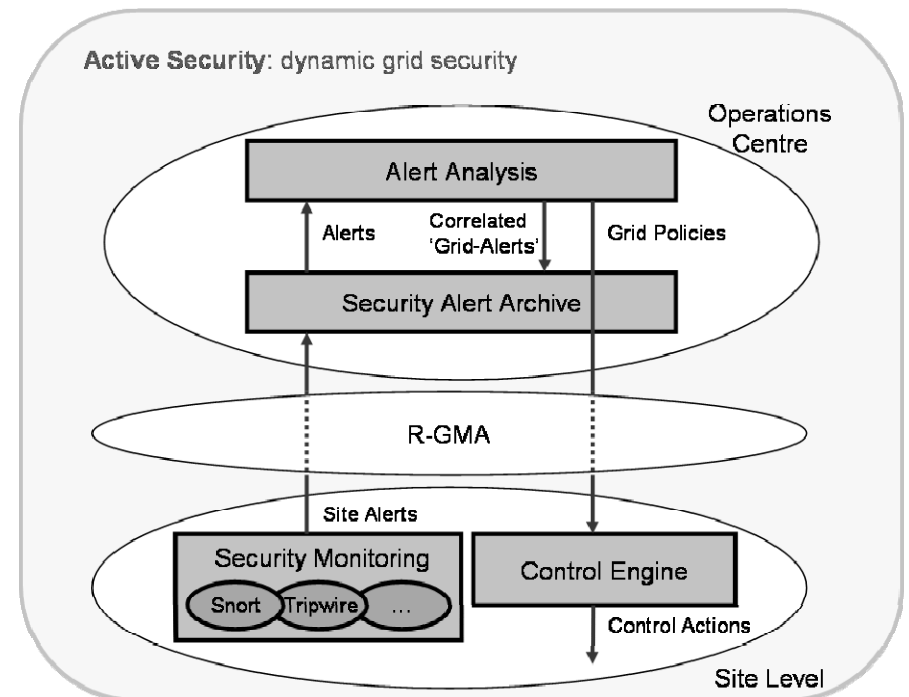
- **Bug reports and patch reports in Savannah**
- **Constant Liaising (25% of time) with SA3 & JRA1**
 - PSNC (Debian 4 x86_64) and Catania (Mac OS X x86_64)
- **Putting configurations in place**
- **Experimenting with new configurations (VDT build from source, packaging of VDT, OpenSuSE 11.0 and PlayStation 3 YDL 6 installs)**
- **Maintaining infrastructure for testing configurations for CERNs NMI builds including new platforms**
- **Attendance of EMT and tracking problems**

- **EMT once a week**
- **TMB until Multi-Platform proposal went to ROCs**
- **July 7th-8th OSG/VDT meeting with Alain Roy**
- **Sept 23rd-25th EGEE'08 in Istanbul**

- **Patch 1781 – task 6936**
 - Reduce package dependency on edg-mkgridmap (x86_64)
 - Complex testbed infrastructure (install LFC + multiple new TB sites with DPM)
 - Testsuite had known (and unknown problems for non-dteam VO)
- **Task 7384**
 - Improve usability of LFC tests
 - Make less VO specific
- **TCD internal review of MSA3.2a**
- **Testing proof of concept PS3 minimal WN install**
- **Milestone Review MJRA1.4**
 - gLite Security Architecture
- **R-GMA – Patch 1251 (outside direct scope of SA3)**

- **7th NREN and Grids**
 - Local organiser
 - Deals with various aspects of NREN/Grids
 - Includes grid security components
 - Lambda nets etc
- **EGEE08**
- **Weekly TCD Ops**
 - Covers TCD SA3 progress and issues

- **Model to implement a grid security infrastructure**
- **focused on**
 - Detection
 - Reaction
- **3 components**
 - Security monitoring
 - Alert Analysis
 - Control Engine



- **All components passed test and validation in Int.EU.Grid**
 - RPMs available for SL3, SL4
 - <https://savannah.fzk.de/autobuild/>
- **Source code from Savannah**
 - <http://savannah.fzk.de/projects/jra-asi/>
- **Manuals and installation guides provided**
 - <https://www.cs.tcd.ie/Stuart.Kenny/index.php?id=activesecurity>
- **Monitoring/Analysis deployed on**
 - Int.eu.grid development testbed
 - Grid-Ireland

