



Enabling Grids for E-science

Systems and Software Security Session – introduction

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www.eu-egee.org



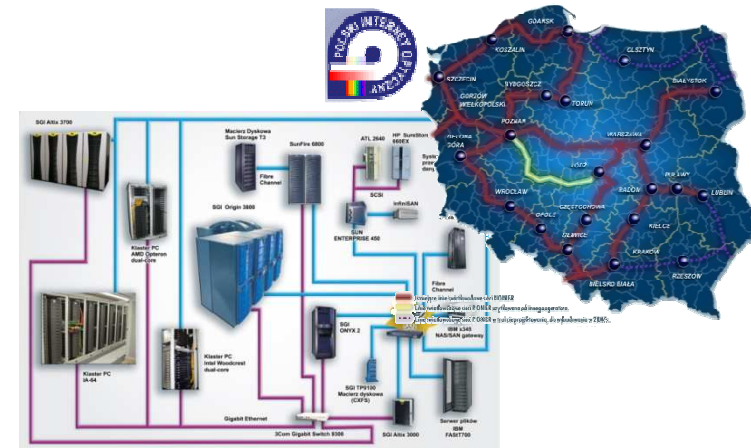
- **Introduction (ca. 5 mins)**
 - Who we are (PSNC and the PSNC Security Team)
 - What we have done in EGEE-II/EGEE-III
 - The workshop: for whom and why?
- **Writing secure code not being a security specialist (ca. 60 mins)**
- **Break (5-10 mins)**
- **A developer's toolset: can I scan the code myself? (ca. 25 mins)**
- **My Web Server safe & sound (ca. 20 mins)**
- **Questions and discussion**
 - Please do not hesitate to interrupt me!





- **Poznań Supercomputing and Networking Center**

- PIONIER NREN and POZMAN operator
- R&D project participant, including EGEE-II/III
- Sun Center of Excellence, Microsoft Innovation Center
- Main area of interests:
 - Supercomputing
 - Grids, portals, new generation networks
 - Security of networks and systems
- Since 1993, +220 employees



- **Since 1996, currently 10 persons (5 FTE)**
- **Main tasks**
 - Securing PSNC, PIONIER, POZMAN infrastructures
 - Security tasks in R&D projects
 - Preparing trainings and workshops
 - Security research
 - External services



- **Research and services examples**

- Wireless networking security in Poznań
- Security of Web servers (Apache, MS IIS)
- e-banking and e-commerce security reports
- UNCCC COP 14 Conference in Poznań – post-audit network tests, security support during the event



- **EGEE-II**

- gLite source code tests
 - DPM (C), GridICE (C), LFC (C), R-GMA (Java), VOMS (C, Java)
- Grid monitoring service penetration tests
 - monitoring.egee.man.poznan.pl (Apache/PHP)
- Writing *Security Best Practices for administrators, developers and users of the EGEE infrastructure*

- **EGEE-III**

- gLite source code tests
 - glexec (C), Hydra (client – Java, server – C), SCAS (C)
- Source code tests of Torque/PBS
- Security audit of reef.man.poznan.pl site
- EGEE'09 workshop preparation

- **Why?**

- Basing on our experience in EGEE-related work, we have seen some common “(in)security patterns”
 - I will show real examples from EGEE software
- We would like to help developing secure software, expressing several facets rarely mentioned

- **For whom?**

- The workshop is mainly intended for **THE DEVELOPERS**
 - They are one of the groups that should be given much help by security specialists
 - I was a developer – let’s hope I know some specifics...
- The workshop may be some help for:
 - System administrators (esp. the Web server talk)
 - Security specialists (rather the beginners, though)

