Tools for development

Marcus Hardt

SCC (formerly known as IWR), FZK

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Kickoff

Savannah.fzk.de

- Project oriented developer portal

    => Provides access to **tools**

    => Project **content** is independent for each project

    => Visitor must find the project he is looking for

    => Developers must be members in order to contribute

- Access based on Roles

    – Anonymous, User, Member, Admin

Savannah tools

- Tools

  - Sourcecode versioning (CVS / SVN)

    - aka; "**Software** repository"

  - Webpages

  - Bugtracker

  - Forum/Mailing List

    - Web-forum that sends emails to people
    - Mailing list that can be subscribed via web-frontend

Savannah Tools

- Forum
    - Web-based discussion forum
    - Interlinked with email
    - Can be public or private
    - Easily to administer
    - Spam protection by registration at savannah
- Subversion (SVN)
    - Improvement of CVS
    - Versioning system
    - Software development
    - Access control via project membership
    - Web browsable

Wiki.fzk.de

- Wikimedia (same as wikipedia)

- Roles: Anonymous, Member

  - Same users as on savannah.fzk.de

- Pages can be

  - World writeable

  - World readable (writeable by members)
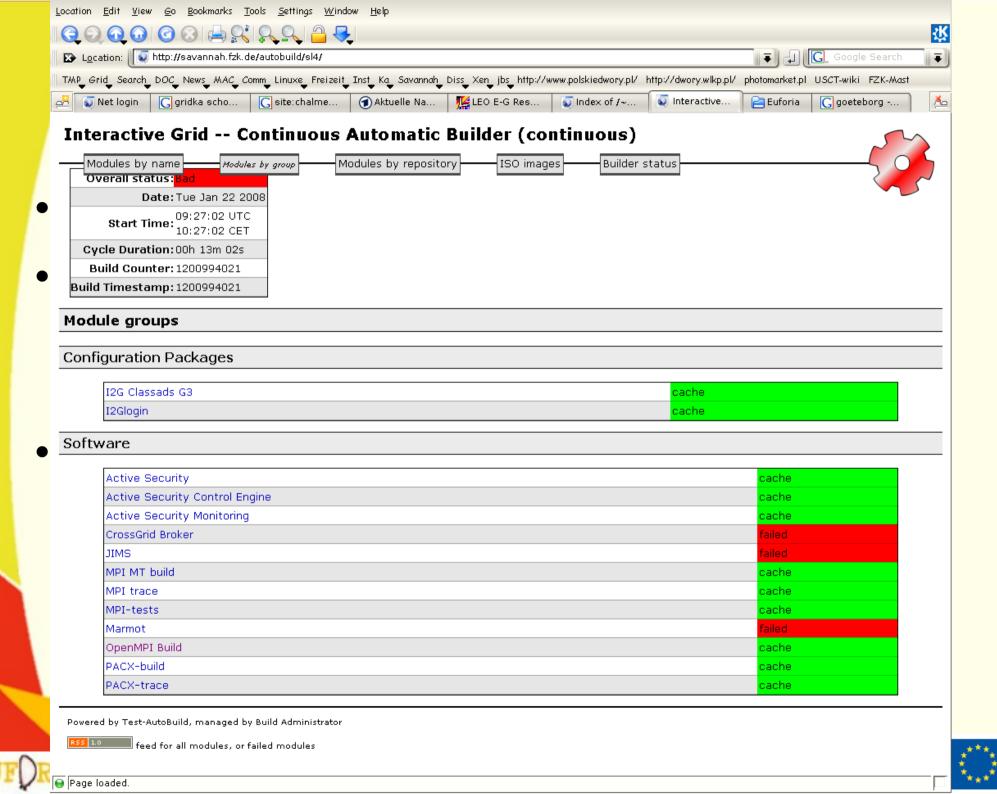
  - Member-only read-readable

Autobuild

- Update sources from SVN

- Compile on different linux installations

  – Shows status on webpage

    • Includes detailed log files

- Transport packages to apt-repository

  – tar, deb, rpm, ...

Interactive Grid -- Continuous Automatic Builder (continuous)

| Modules by name | Modules by group | Modules by repository | ISO images | Builder status |

Overall status:	Bad
Date:	Tue Jan 22 2008
Start Time:	09:27:02 UTC 10:27:02 CET
Cycle Duration:	00h 13m 02s
Build Counter:	1200994021
Build Timestamp:	1200994021

Module groups

Configuration Packages

I2G Classads G3	cache
I2Glogin	cache

Software

Active Security	cache
Active Security Control Engine	cache
Active Security Monitoring	cache
CrossGrid Broker	failed
JIMS	failed
MPI MT build	cache
MPI trace	cache
MPI-tests	cache
Marmot	failed
OpenMPI Build	cache
PACX-build	cache
PACX-trace	cache

Powered by Test-AutoBuild, managed by Build Administrator

RSS 1.0 feed for all modules, or failed modules

APT Repository

- Webserver
  - Packages
  - Index files

- Client computers watch index files
  - Detect and Install updated packages

- 2 Repositories
  - Autobuilt packages
  - Tested packages

- Works well in int.eu.grid and LCG

Choices to be made

- How many savannah projects
    - One for whole project
    - One per package
- Mailinglists at Savannah

Savannah Roles

- What can I do if I am ...
  - Anybody: Look at **some** projects (read news, cvs, forum, ...), Submit bugs
  - User:
    - Read access in **some** parts (e.g. above) of **some** projects
    - Subscribe to forums, write to some forums; look at some CVS
    - **can become member in a project**
  - Member:
    - Read/Write access to all features in **<u>his</u>** projects including CVS, **web**space, **ftp**space, forums
    - (Limited) shell account
  - Admin:
    - Can modify **<u>his</u>** project: Modify bug-tracker, change roles of members, approve users, delete mail/disapprove news, change License