

Collaborative Development Tools (Savannah installation on gridportal.fzk.de)

- What is Savannah?
- Example Problem
- Example Solution (Live Demo)
- Outlook

What is Savannah?

- EU-Project CrossGrid needed a **collaboration tool**
 - => Installation funded by EU
- Savannah is a "Portal System"
 - Runs on a webserver
 - User Interfaces via Browser
- Basic System: LAMP
 - = Linux + Apache + MySQL + PHP
 - + Perl and Bash scripts for taping everything together
- Hardware:

System Vital

| | |
|--------------------|------------------------------|
| Canonical Hostname | gridportal.fzk.de |
| Listening IP | 141.52.160.6 |
| Uptime | 200 days 23 hours 51 minutes |
| Current Users | 1 |
| Load Averages | 0.47 0.60 0.55 |


Network Usage

| Device | Received | Sent | Err/Drop |
|--------|-----------|-----------|----------|
| lo | 606.79 MB | 606.79 MB | 0/0 |
| eth0 | 2.81 GB | 2.08 GB | 0/0 |
| tap0 | 1.89 GB | 2.73 GB | 0/941 |

Hardware Information

| | |
|-----------------|--|
| Processors | 2 |
| Model | Pentium III (Coppermine) |
| Chip MHz | 999.76 MHz |
| Cache Size | 256 KB |
| System Bogomips | 3982.99 |
| PCI Devices | ATI Technologies Inc Rage XL Intel Corp. 82557/8/9 [Ethernet Pro 100] ServerWorks OSB4 IDE Controller 3ware Inc 3ware 7000-series ATA-RAID (#2) 3ware Inc 3ware 7000-series ATA-RAID |
| IDE Devices | <i>none</i> |
| SCSI Devices | 3ware 3w-xxxx (Direct-Access) 3ware 3w-xxxx (Direct-Access) |

Memory Usage

| Type | Percent Capacity | Free | Used | Size |
|-----------------|---|-----------|-----------|------------|
| Physical Memory |  20% | 803.96 MB | 202.44 MB | 1006.40 MB |
| Disk Swap |  2% | 1.96 GB | 48.77 MB | 2.01 GB |

Mounted Filesystems

| | Percent Capacity | Free | Used | Size |
|----------|---|-----------|-----------|-----------|
| Totals : |  51% | 238.93 GB | 272.98 GB | 539.31 GB |

What is Savannah?

- "Collaborative communication platform"???
- Problem:
 - Many people work in one project
 - Outsiders want to discuss with network people
 - => Communication must be well organized
 - Project offers a service
 - => Users want to complain if it does not work
 - => To whom?
 - Different people have different responsibilities
 - Group wants to develop software
- Solution:
 - Just listen for 27mins...

- Savannah is project oriented
 - => project **content** is completely independent for each project
 - => Visitor must find the project he is looking for
 - => provide access to **tools**
- Access to tools
 - Based on Role inside a project
 - Anybody <-> User <-> Member <-> Admin <-> ~~...~~ ...

Example Problem

- Campus Networking Team:
 - 10 people at 7 locations run the campus network
 - Different tasks are managed by different people
 - Team Members need good coordination
 - 1000 people use this service
 - They need to find somebody to complain to
 - Several scripts need to be maintained...
 - ...by a couple of developers per script
 - Documentation needs to be published
 - Webserver is needed
 - A homepage with frequently updated information required

Example Solution

- Group leader starts a project at gridportal.fzk.de
 - Request the project
 - Set up the project
- Demonstration will show
 - Tour through prepared example project
 - => <https://gridportal.fzk.de/projects/net-demo>
 - Requesting a project

Empty Slide



- Homepage will be enhanced by >WIKI< functionality
 - Savannah Team (Jaime)
- Bug trackers will be enhanced
 - Savannah Team (Mathieu) and CERN (Yves)
- Authentication methods will move towards Grid
 - CERN (Yves, Derek)
- Continuous Development of autobuild
 - EDG (Yannick Patois)

Invitation

- Interested in these tools:
 - => You're welcome to create your project on gridportal.fzk.de
- You already have these tools:
 - => Thank you for listening
- Questions - Suggestions - Complaints?

Backup Slides

The European Commission

Community Research



information society
technologies

- 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 **his** projects including CVS, **web**space, **ftp**space, forums
 - (Limited) shell account
 - Admin: • Can modify **his** project: Modify bug-tracker, change roles of members, approve users, delete mail/disapprove news, change License

Buzzword Compliance

- We do NOT use
 - OGSA
 - OGSII
 - Globus-2/Globus-3
 - Webservices
- However, seems to make sense to mention the buzzwords here!