XtreemOS

Enabling Linux for the Grid

XOSAGA practical: create your own shell

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Information Society
Technologies

Example application: 'XOSAGA shell'

> Simple UNIX-like shell

> Implemented in Java

> All commands use Java XOSAGA underneath

You will get two versions:

> Reference implementation: fully functional, no source

> Tutorial framework: full source, missing commands

Your job: implement the missing commands

> ls, kill, cat

Functionality:

Browse filesystems (ls, cd, mkdir, cp, mv, rm)

Access files (touch, cat)

Run jobs (run, jobs, kill)

Manage security contexts (addc, lsc, rmc)

Change current filesystem and resource manager

DEMO

Practical

Follow the tutorial at the XtreemOS user wiki:

http://xtreemos-user.wiki.irisa.fr/tiki-index.php?page=XosagaShellTutorial

Develop and run at your own laptop or XtreemOS installation