



Development Environment

Access the ASL-Cluster - Linux

- **From a Linux-Desktop**
 - open console
 - `ssh -X username@asl73x.acc.gsi.de (x = 0.. 4)`
(If a full remote-desktop is needed, you can use the XDMCP-client of your choice)



Install XWin-32

- **XP**

Control Panel → Software → Add new Prog. → X-Win32 2012

- **Win7**

**Programms → Microsoft System Center 2012 →
ConfigurationManager → Softwarecenter → XWin32 2012**



Access the ASL-Cluster - Win

- **From a Windows-Desktop**
 - Check if XWin32 is installed (install it if not)
 - Open X-Config → Assistant ...
 - XDMCP (easy, but does not always work in this room)
 - SSH (some more clicks required)



Access the ASL-Cluster - Win

- **XDMCP**

- Create new XDMCP connection
- Host: asl73x.acc.gsi.de (x = 0.. 4), XDMCP-Mode: request
- Start connection



Access the ASL-Cluster - Win

• SSH

Welcome to the Connection Wizard! Please choose a name and type for your connection.

Name:

Typ:

LIVE

ssh

XDMCP

More...

Please enter a host to connect to.

Host:

asl730 ... asl734

Please enter your login name and password.

Anmeldung:

Kennwort:

Please enter a command to run on the remote host.

Befehl:

Linux

SunOS (Solaris)

HP-UX XTERM

HP-UX DTTERM

IBM-AIX

VMS

Other Unix

Linux (Xauth)

IRIX



Configure Linux-Environment

- Open the file “.bash_profile” with the editor of your choice. (E.g. gedit)
- Add the following two lines:

```
#load Fesa3 environment
```

```
source /opt/fesa/fesa-fwk/2.0.1/fesa-environment-gsi/fesa3_environment.conf
```

- Re-init the console:

```
source .bash_profile
```

Install the FESA-Eclipse-Plugin

- Type “eclipse &” in a terminal
- Define a default-workspace
- Click on “help → install new software”
- Press “add...” to add a new repository location
- Install all packages declare at the Wiki-page:
www-acc.gsi.de/wiki/FESA → v2.0.1 → Installation of FESA3 Dev. Environment

Best copy the links directly from the wiki-page!

SVNKit 1.7.x <http://eclipse.svnkit.com/1.7.x/>

- Install the SVNKit Library

Orbit <http://download.eclipse.org/tools/orbit/downloads/drops/R20130827064939/repository/>

- filter for log4j and install the “Apache Jakarta log4j Plug-in“

FESA-eclipse-plugin <https://www-acc.gsi.de/data/eclipse-kepler/fesa>

- install the “FESA3 Eclipse Plug-in for GSI“



Now let's start coding!