



EDGeS

Hands on XWHEP

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The EDGeS project receives Community research funding

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Hands on XWHEP

XWHEP developed by IN2P3.

<http://dghep.lal.in2p3.fr/>

Based on XtremWeb developed by INRIA.

<http://www.xtremweb.net/>

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Joint EGEE-EDGeS Summer School
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Hands on XWHEP

What do we want?

- A running XWHEP server.
- A PnP XWHEP worker.
- A PnP XWHEP client.



Hands on XWHEP

What is needed?

- **Java 1.5+** (make sure keytool is in your PATH.)

```
sh ./jre-1_5_0_19-linux-i586.bin
```

```
export PATH=/root/jre1.5.0.19/bin:$PATH
```

- **MySQL 5**

see BOINC tutorial, page 2...



Hands on XWHEP

Prepare:

- your mysql admin login/password for the xwconfigure script to create new DB
- a new mysql user login/password for the XWHEP server to access the DB after install
- a new XWHEP admin login/password.
- a new XWHEP worker login/password.
- a name, a passphrase and 3 passwords to generate the certificate.

```
DBHOST="localhost"
DBADMINLOGIN="root"
DBADMINPASSWORD=""
DBNAME="xtremweb"
DBUSERLOGIN="xtremweb"
DBUSERPASSWORD="xwdbuser"
XWADMINLOGIN="administrator"
XWADMINPASSWORD="xwadminpassword"
XWORKERLOGIN="worker"
XWORKERPASSWORD="xworkerpassword"
CERTCN="xwcert"
CERTOU="lal"
CERTO="cnrs"
CERTL="orsay"
CERTC="fr"
SSLKEYPASSPHRASE="xwcertpassphrase"
SSLKEYSERVERPASSWORD="xwcertserverpas"
SSLKEYWORKERPASSWORD="xwcertworkerp"
SSLKEYCLIENTPASSWORD="xwcertclientpass"
XWSERVER="localhost"
XWUPGRADEURL="http://dghep.lal.in2p3.fr/la
```

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- Download and unarchive binary package.

<http://dghep.lal.in2p3.fr/lal/XWHEP-5.7.2-bin.tar.gz>

- Execute xwconfigure.

This script will configure and create xwhep database, certificates, conf files... and installers.

- Check newly created installers of your XWHEP platform.

installers are used to deploy your configured platform (server, client and worker on linux, mac and win32)

- Use installers to deploy your XWHEP platform.



Hands on XWHEP

Installers are:

- rpm and deb packages for linux
- pkg for macosx (Remote Desktop)
- msi package for Windows (Active Directory)



Hands on XWHEP

- **Server and Worker installers on linux do (rpm & deb):**
 - install everything (xw*, libs, keys, conf files...) in /opt/XWHEP.{server|worker}
 - creates /etc/init.d/xtremweb.{server|worker} service
 - creates xwhep user on the computer
- **Server and Worker installers on macosx do:**
 - install everything (xw*, libs, keys, conf files...) in /private/etc/XWHEP.{server|worker}
 - creates xwhep StartupItem
 - creates xwhep user on the computer
- **Mods are possible if you install from source package**



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Thank you!

If any questions, contact:

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