



## **Certification Testbeds**

Configuration Testbed

Xen testbed

The full testbed

www.eu-egee.org







## **Goals of the Certification Testbed**

**Enabling Grids for E-sciencE** 

- Certificate that the middle-ware work and it is deployable
- Simulate different configurations
  - SE dpm + pool (MySQL / Oracle)
  - gliteCE + lcg CE
  - WMS and RB with different job submissions
  - and lot of others ...
- Running the current production release
  - Always a set of nodes ready to validate any urgent update
- Running the base release and patch(s) that we select to include in the release
  - Certification process itself
- Possibility to reinstall any version quickly
  - With the virtualization technology just few minutes are necessary
- Have a good heterogeneous environment to run the test suite in a useful way.

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## Configuration testbeds

**Enabling Grids for E-sciencE** 

- Testbeds made with all types of node and use by the developers of YAIM.
- It is a small testbed that change really often.
- Also use to create and test the relocatable WN

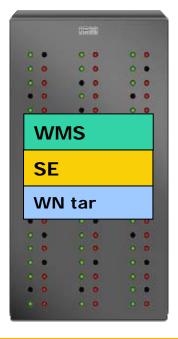
UI	CE/MON	BDII	LFC_MSQL
GliteCE	dpmMysql	SEclassic	VOBOX
gliteWMS	dpm_pool	WN	WN:tgz

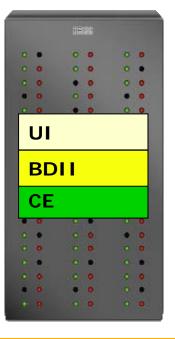
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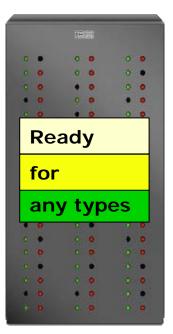
Enabling Grids for E-sciencE

- Tesbed made with 4 Xen machines containing 3 nodes each
- Permit to reinstall from scratch any type of nodes in less than 20 minutes.
- To store nodes images of working testbed with given version
- SmartFrog permit to install all nodes with one command











## The Full Testbed

Enabling Grids for E-sciencE

UI-1

**MAS** 

UI-2

**WMS** 

BDII

RB

**gLiteCE** 

CE

dpmMysql

Dcache

WN

WN

**FTS** 

Proxy

RB

**BDII** 

CE

**DPMMysql** 

WN

WN

MON

LFC-MySQL

**LFC-Oracle** 

DPMOracle

FTS server

**VOMS** 

PIC

Condor

UCY

GRNET

Torque RB WMS

CESGA

SGE

DESY

Dcache



- https://twiki.cern.ch/twiki/bin/view/EGEE/EGEETestbeds
- https://twiki.cern.ch/twiki/bin/view/EGEE/CertTestBedWorl
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