

Status of LCG2/gLite porting

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- **Need for porting**
- **Overview of porting projects**
- **Grid-Ireland porting results**
- **Some Issues and Results**

- **x86 clusters where SL3 cannot be installed**
 - Hardware support requires more recent OS
 - Vendor support agreement requires specific OS
 - Grid resources are shared with users who require another OS
 - Existing OS already in use and sysadmins unwilling to change
- **Support for other architectures**
 - Grid-enable compute centres with existing resources
 - MacOS/X, AIX, IRIX, Solaris, IA64, ...
- **Definite need to port (at least) the WN software**
- **Question: is there a requirement to port service nodes?**

Overview of porting projects

- **CERN Openlab & SPACI**
 - Itanium (IA64) port available and tested for LCG 2.7.0
- **Grid-Ireland**
 - LCG 2.7.0 WN ports available for CentOS 4.3, SuSE 9.3, RH9/RH7.3, Mac OS X 10.3 (Darwin)
 - Work in progress on MacOS/X (Tiger), Solaris 10, EMT64 (CentOS 4.3, SuSE 9.3)
 - Dropping build of RH9/RH7.3 under gLite-3.0.x
- **GSI (Germany)**
 - Debian port (UI and WN)
- **IRB (Hungary)**
 - Debian: tar fixes (UI), chroot (CE+WN), converting RPMs to DEBs (ongoing); FreeBSD: tar (UI)
- **HPC2N Umea (Sweden)**
 - Porting gLite to Ubuntu (Debian)
- **PSNC (Poland)**
 - Opteron (x86_64) port for SL-3.0.6 for gLite-3.0.x. Due to finish soon

LCG-2.7.0 Porting Status

Arch	OS Type	Ver	Distro	VDT	Basic	VOMS	RGMA	RM	GFAL lcg_util	TOR- QUE	WMS
i386	Redhat	7.3	apt	1.2.2	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS
	Redhat	9	apt	1.2.2	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS
	CentOS	4.3	yum	1.2.2	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS
	SuSE	9.3	apt	1.2.2	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS
	SL	3.0.7	yum	1.2.2	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS
	Fedora Core	4	yum	1.2.2	RPMS	RPMS	RPMS	N/P	RPMS	2.0.0p7	RPMS
mips	IRIX	6.5	TAR	1.2.2	TAR	TAR	TAR	TAR	TAR	1.2.0p3	TAR
Power PC	AIX	5.2L	TAR	TAR	TAR	TAR	TAR	TAR	TAR	1.2.0p3	TAR
Power PC	Mac OS X	10.3	TAR	1.2.2	TAR	TAR	TAR	N/P	TAR	2.1.0	TAR
i386	Solaris	10	TAR	TAR	TAR	TAR	TAR	TAR	TAR	1.2.0p3	TAR
x86_64	SL	3.0.5	RPMS	RPMS	RPMS	RPMS	RPMS	RPMS	RPMS	1.2.0p3	RPMS

	Done		Not Started		Started		Drop Support
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Sought after Platforms

- **AIX 5.2L** or **SL3** running on IBM P5s (Germany, Israel, Hungary)
- **x86_64** is the big one of interest. Everyone wants it!
VDT-globus-1.3.10 integration should solve this issue.

Issues of Interest to Porting Groups (particularly TCD)

- Proxy support now in ETICS
- Source tarballs nearly ready for ETICS
- ETICS changing over to secure web-services
- Dynamic dependency inclusion available (This will help porting and security update inclusions greatly)