

Move to SL4 gLite-3.1

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- **Why?**
 - Newer hardware can't run SL3
 - Many resources (like CERN) move to SL4 soon
 - October - December
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- **What was the plan?**
 - Plan was to move before end of year:
 - SL4 and VDT1.3.x + gLite-3.1
 - *First 32 bit and 64 bit (IA64 and x86-64)*
 - *Not moving gLite-3.0 and VDT1.2*

- **What combinations are possible?**
 - Real ports:
 - SL4 32bit
 - *Vdt-1.2 and vdt-1.3*
 - *No major problems expected for C code*
 - *Adaptation to stricter C++ code required*
 - SL4 64bit
 - *Vdt-1.3 required for X-86-64 (opteron)*
 - Open-SSL 0.96
 - Hacks: SL4 + some SL3 libs + gLite-3.0
 - Has been done and documented at some sites
 - *LAL +++*
 - Is seen as a last resort solution for Uis and WNs

- **What is available from VDT?**
 - Currently VDT-1.3 is not available on SL4 X86-64
 - On request by the end of the year. (via EMT)
- **Build system for SL4 32bit VDT-1.3**
 - gLite-3.1 branch builds about 80% successful
 - Not much effort went into porting
 - From now on EMT has put this as a fixed agenda point
 - Alberto 're-blocks' the build, separate builds for:
 - Client libs
 - Services

- **Near term strategy**
 - Concentrate on 32bit client libraries to allow WN and UI migration
 - Goal is to have them ready by mid October
 - Services will follow
 - Priority until end of the year on hardening and fixes
 - *Only one set of developers*
- **What if.....**
 - Large number of resource require SL4 before the clients are ready?
 - The SL4 + some SL3 + gLite-3.0 client hacks will be supported
 - *We'll try to avoid this*

- **What was gLite-3.1?**
 - In the history of predefined releases at a predefined date:
 - gLite-3.0 +
 - Re-factored WMS + gLite-CE
 - VDT-1.3.X
 - SRM-2.2 support (clients + servers)
 - Several new services
 - *DGAS, gpbox, glexec on WN.....*
- **But.....**
- **New release process is more flexible**
 - Components are updates and released when they are ready
 - Stand alone services can have 'stand alone' dependencies
 - Example: WMS condor version
 - Requires some changes in the tools to define releases and configuration

- **What will be called gLite-3.1?**
 - 1st release based on vdt-1.3 and SL4
- **WMS version based on 3.1 branch can be released as soon as ready**
 - First successful build yesterday
 - Will be tested in the next weeks
 - Return to 1 main branch
- **Upgrades and new components based on TCG and EMT prioritization**
 - No 'big bang' flood of new components
 - Gradual transition
 - Sites upgrade based on their own pace (as they always did)