



SL5

GDB

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Sites

- Need a clear definition of what base OS install (including SL4 compatibility libraries) is required.
- Any packages required which are not present in the operating system will need to be identified and supplied through an additional repository.
- They will also need a location for the approved version of the compiler and associated toolsets.
 - We heard after the meeting that gcc4.3 is now in SL5 but there are questions over compatibility with other distributions.
- Sites were asked for feedback on whether they are prepared to install SL5 with the SELinux feature disabled (as above) for ATLAS.
- Sites were requested to make SL5 WNs available behind a separate CE so that VOs could consciously choose to use them. This will also enable the sites to move WNs easily between SL4 and SL5 to meet the changing requirements of the experiments.



Memory Footprint

- ATLAS showed evidence that the memory footprint of a job was much bigger in 64bit than 32.
- Each process has a VMEM footprint of 50MB(5MB) in 64(32) bit.
- So a 'Hello World' job is 450MB cf 60MB.
- This has particular impact at sites which limit the virtual memory (VMEM) of jobs. Such sites should be identified and approached.
- Killing jobs based on RSS is a problem too as the kernel strives to keep pages in memory.
 - Does anyone know how to change this?



What Now?

- We now need to agree a timescale.
- It was not felt feasible to expect everyone to change before STEP09 as preparation is starting now. The September timeline of ATLAS was felt to be too late.
- I proposed July as a possible transition time.
- This timescale should be confirmed by the MB.
- Who will define and publicise?
 - Base install (SA3)
 - gcc4.3 Compiler ??



Additional Issues

- It would be useful for at least some sites to be running SL5 during STEP09 as a realistic test.
- I am not sure I understand how this will work. If sites have to explicitly target SL5 CEs in their matchmaking, will this happen in STEP09?
- Oxford reported ATLAS automatically installing their software release on an SL5 test cluster behind a separate CE