

News on platforms and policies

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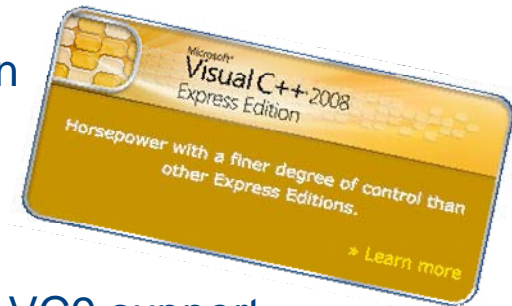
Platform News



- Currently porting LCG/AA s/w to new architectures / compilers

- **Windows VC9**

- We use Microsoft Visual C++ 2008 – Express Edition
 - The “free” version – so far no real obstacles found
- Several adaptations needed in configuration
 - Need to force the non debug STL for compilation
 - Additional files (.manifest)
- Needed to move to new gccxml 0.9.0_20081002 for VC9 support
- Builds take ages – problem with the virtual machine?



- **gcc 4.3(.2)**

- Including a rebuild of all external packages (32 and 64 bit)
- Running in the nightlies “dev” (HEAD of everything) slot since last week

- **slc5**

- 32 bit and 64 bit installations at our lxbuild xen node (lxbuild116)
- Builds shall start soon with gcc 4.1 (native slc5 compiler)
- no problems expected – we are building gcc 4.1 successful for some time



Tag unification proposal



- In the past we diverged for the tag names into different styles. A proposal was setup to
 - Unify the tag names again
 - Propose to use “Atlas” style, e.g. `x86_64-slc5-gcc41-opt`
 - For CMT based projects, derive information about the “host” and “target” - with a clear policy
 - Clear distinction between “host” and “target” properties

```
tag x86 64                host-x86 64
tag i686-slc5-gcc41-opt  target-i686 target-slc5 target-gcc41 ...
```

- Eg. will ease our life for cross compiling

```
macro_append cppflags "" host-x86_64&target_i686 " -m32 "
```

<https://twiki.cern.ch/twiki/bin/view/SPI/TagsUnifyProposal>



Proposal for a s/w removal



- Over time we accumulated a lot of software installations in the afs area (~ 1 TB up to now)
- Propose a 2 step process – executed twice/year
 - ① “Call of usage”
 - Ask for LCG Configurations currently used
 - Compute and mark the number of candidates for removal
 - ② “Backup and Remove”
 - Backup a package/version before removal into CASTOR
 - Remove the package/version from afs

<https://twiki.cern.ch/twiki/bin/view/SPI/SwRemovalProposal>