CINT Christmas Present

Status for the December
Production Release

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The CINT Tree

Three CINT branches:

CINT 7.0 Dec Release

CINT 7.1 – Reflex Merge

HEAD = CINT 5/6

Branch @ typedefs, globals done

The Merge Work Branch

Merging G__value, variables and members

Status   Still coding, branch does not compile yet

Future   Test suite (CINT and ROOT), then upload
   into ROOT, then present at ROOT workshop

Development currently stalled because of Dec 15
   deadline for the Cint7 release branch

CINT7 Release Branch – Why?

Benchmark for us:

- we learn what it needs to publish and test cint7

- test binary compatibility

- have big roottest suite at hand, fixes are forwarded into work branch

Signal to outside world:

- we're getting somewhere

- get users' feedback on lib compatibility cint7 testing

CINT7 Release Branch – What?

- Typedefs and globals are handled by Reflex
- Many Reflex routines used: Lookup, declaring scopes, PointerBuilder etc
- All CINT tests passed
- ROOT starts up, but some failing roottests – still working on those until Dec 15

We find it to be a worthy test candidate nevertheless

CINT7 Release Branch, Plans + Status

Will be part of Dec 15 release, uploading into CVS today or on Monday

Requirements:

- build system changes for new module cint7

- default: off

- binary compatibility to allow for
  ```
  mv lib/libCint7.so lib/libCint.so
  ```

- Maybe root7.exe, or root -l -b -7? We'll see.

- Compatibility patches for cint5

CINT5 Changes

- sizeof(G__whatever) must be same for Cint5, Cint7
- No inline API functions – or they won't change when replacing library
- Symbol names must be identical: all C++ API functions and types now in namespace Cint

Old complex script to import sources from CINT to ROOT CVS. Sync was not really a sync.

Now using simple script for both cint5 and cint7, based on CVS vendor branches, real sync.

Vendor branches could be used for all external sources

…now that we understand how not to break CVS…