Antelope Contrib Issues

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Why new version control system?

CVS is

- slow, cumbersome

- tied to one central computer

- hard to change names, rearrange directories

- file oriented

- generally creaky

Why git?

- convinced by talk Linus Torvalds gave at google.

- oriented to whole directory hierarchy rather than files

- easy to rearrange, rename

- work (on notebooks) disconnected from net

- fast

- much more capable

Why 64 bit?

- now feasible: machines and software support

- some programs hitting limits, largely miniseed

- memory issues tend to disappear

- speed?

Significant changes for c programmers?

▷ mostly, integers and pointers become 64 bit

▷ various pitfalls, mostly around variable argument lists

▷ many changes now in include files

Skew between release and development

▷ include file differences can cause compilation failures

▷ BRTT will provide 4.10p development branch libraries and include files -- details tbd

▷ already providing window on contrib compiles

regression tests

- What are they?

  - compare output from two runs, hope for same results

- certify perl script is a framework for managing regression tests

- currently ~900 tests for antelope

- essential for port to 64 bit

- part of 4.10 release

more detail
if you want

- git introduction

- 64 bit programming issues

- certify introduction