TOSS 3 Development Environment

LC User Meeting

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What to expect in this talk

AKA, don't shoot the messenger

- This talk focuses on software currently in /usr/local
- We are still working out details
- We would like your feedback

What and why?

- CTS-1 and TOSS 3 are coming!
- Packaging software will be changing (from Debian -> Koji + Spack)
- We would like a more consistent tri-lab compute environment

There are many changes coming.

- Adding /usr/tce
- Restart from "scratch" (not all SW versions in TOSS 2 will appear in TOSS 3)
  - Intel compiler example
    - some major versions will probably be deprecated (i.e. version 9)
    - only 1 <major>.<minor> for older versions (i.e., 13.0, 13.1, 14.0, 15.0 instead of 19 currently installed)
- What are “defaults”?
- Migrating from dotkits to Lua-based modules

Tri-lab collaboration will improve cross-lab compatibility

- Some packages will still be site-specific
- What is installed will be site specific
- ... but, many packages will be ready on demand at other sites

What do you think?

- We would like your feedback!
- https://lc.llnl.gov/confluence/display/LCTOOLS/TOSS+3+Development+Environment
- Code team meeting
- Contact Greg Lee lee218@llnl.gov Scott Futral futral2@llnl.gov

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