

# ToolChain and Build System Working Group

Cambridge DevSummit 2012



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# meta mode

- vastly better dependency tracking
  - requires small kernel module
- requires bmake import



# bmake import

- Import soon installed as bmake
  - `WITH_BMAKE` option to install as make
- Add compatibility shims to \*.mk
- Merge :tu and :tl back to 7-STABLE
- Need to work with portmgr on transition



# Build system direction

- Need to start a discussion on toolchain@
- A few starting points
  - Switch to a staging model
  - 1st class external toolchain support



# Other bits

- lldb useful for simple things
  - need a port soon
- mclinker making progress
  - expected to be good enough for 10
- libc++ needs more testing
  - needs to be enabled automatically



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# Clang by default

- Cross build does work
  - WIP for -target based native cross
- Some bootstrap work needed
  - Need to make buildworld “Just Work”
- Ports getting better



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# Clang by default

- Cross build does

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Flagday  
October 1st



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