

# Build system discussion

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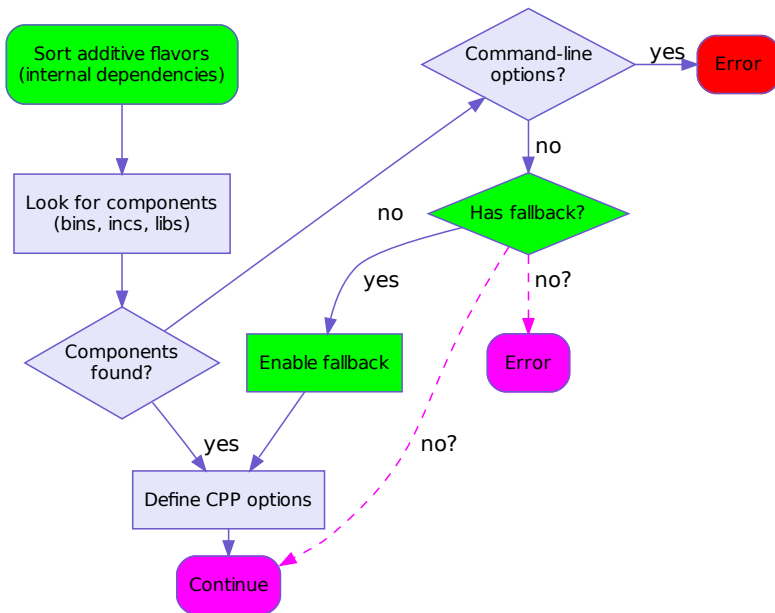
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Han-sur-Lesse, Belgium — 2011/04/11

# Alternative connector behavior



# Build-system test suite: new tests?

- Condition: all tests runnable before the build
- 01–09: check status of source tree
- 10–19: basic build-system consistency
- 20–29: enforce good maintenance practices
  
- 01: Bazaar conflict markers
- 02: source line lengths
- 03: one include of config.h in each source file
- 10: consistency of configuration  
→ environment.conf + options.conf + build-config.ac
- 11: consistency of build examples (test farm)
- 12: consistency of CPP options
- 20: forbidden flags in build examples (test farm)  
→ e.g. no optimizations in FCFLAGS\_EXTRA

# Redesigning the test suite

- Modularity required
- Config files instead of script hacking
- Introduce run modes (e.g. "source" & "install")
- Tag-based selection of tests
- Self-contained tests
- Easy access to full test info