

# Roadmap for CLion 2017.1

Analyzing the feedback we've got on CLion 2016.3, we think we need to first concentrate on CMake workflow updates. The following changes are planned and might be (if possible) back-ported to 2016.3.x updates:

- ★ (CLion 2016.3.2 EAP) Exclude CMake generation directory from version control and find usages (CPP-4300).
- ~~Add ability to change CMake defaults (CPP-1887). The most popular case here is to have a default generation directory configured for all user projects.~~
- ★ (CLion 2016.3.2 EAP) Bring back the ability to add additional CMake configurations (CPP-3159). Right now it's only possible to switch them in Settings | Build, Execution, Deployment | CMake. However, we consider making a UI to add any number of configurations to a project. In addition, a switcher to exclude the configuration from indexing could probably be useful for configurations that are not used for code editing.

## CLion 2017.1

- Language support:
  - ★ More C++14 coming to CLion. You can check what's left on this new [webhelp page](#).
  - Initial support of C++17:
    - ★ nested namespaces (CPP-3623)
    - ~~initializers in if and switch statements (CPP-8234).~~
- Indexing and resolve:
  - ★ (CLion 2016.3.2 EAP) GCC 6 support that requires proper handling of #include\_next in CLion (CPP-3821).
  - ★ Support for precompile headers and -include (CPP-53).
- ★ Code analysis: modernize C++14 intentions
- ★ Refactorings: bug-fixes
- Toolchains: Microsoft compiler support
  - ★ Ability to use MSVC to compile your project in CLion.
  - ★ Support for NMake generator in CMake.
  - ~~Specific language extensions.~~
- ★ Debugger: assembly view
- ★ Unit testing: Catch support