**Cmake overview**

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| **No.** | **Description** | **Version** |
| 1 | Intial Version | 1.0 |
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**Introduction:**

CMake is a cross-platform, free and open-source make system. It is used to control the software compilation process using simple platform-independent and compiler-independent configuration files. It generates native makefiles and workspaces that can be used in the compiler environment of your choice. It supports directory hierarchies and applications that depend on multiple libraries. It is used in conjunction with native build environments such as Make, Qt Creator, Ninja, Apple's XCode and Microsoft visual studio.

It has minimal dependencies, requiring only a c++ compiler on its own build system. It is quite sophisticated. It is possible to support complex environments requiring system configuration, preprocessor generation, code generation, and template instantiation.