

Hatchit

Open-Source 3D Game Engine

Table of Contents

Introduction.....	3
1.0 Overview.....	3
1.1 Development.....	3
1.2 Licensing.....	3
0. Additional Definitions.....	3
1. Exception to Section 3 of the GNU GPL.....	4
2. Conveying Modified Versions.....	4
3. Object Code Incorporating Material from Library Header Files.....	4
4. Combined Works.....	4
5. Combined Libraries.....	4
6. Revised Versions of the GNU Lesser General Public License.....	5
1.3 Tools.....	5
1.4 Dependencies.....	5
Engine Systems.....	7

Introduction

1.0 Overview

Hatchit is an open-source game engine currently in development for Windows and Linux. The goal in developing Hatchit is to create a fully open game engine code base that utilizes the most modern rendering technologies possible.

1.1 Development

Hatchit is currently in development exclusively on the [GitHub](#) platform using Git version control system. We strongly request that all contributions be made through GitHub as we currently have no plans to move the project to a new repository. Development is open to anyone and we welcome all pull-requests.

1.2 Licensing

GNU LESSER GENERAL PUBLIC LICENSE

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1.3 Tools

Since we are supporting both Windows and Linux, we build using compilers available to both platforms. In addition, these compilers must support **C++11** and **C++14** standards. Currently this means we build and test using the following compilers:

- GCC 5.0+
- Clang 3.8.0+
- Microsoft C++ 19.0+ (Visual Studio 2015)

1.4 Dependencies

Due to the nature of Hatchit being an open-source project, we also use this to our advantage and leverage many different open-source libraries. This allows us to avoid having to “reinvent the wheel” and speeds up production. The following third-party libraries are currently used:

- [glfw](#)
- [bullet3](#)
- [assimp](#)
- [tinysql2](#)

- [Python 3.5](#)
- [Vulkan](#)
- [openal-soft](#)
- [fmt](#)
- [inih](#)
- [stb](#)
- [virtualenv](#)

NOTE: Use of these libraries is subject to change

Engine Systems
