XEngine UPDate Service Docment

目录

[XEngine UPDate Service Docment 1](#_Toc2516)

[Preface 3](#_Toc16503)

[Reader 3](#_Toc2923)

[Overview 3](#_Toc10659)

[Associate Module 3](#_Toc11954)

[一 Technical structure 3](#_Toc10636)

[1.1 Directory Structure 3](#_Toc24411)

[1.2 Source Directory 3](#_Toc15753)

[二 Configure Env 3](#_Toc3106)

[2.1 WINDOWS 3](#_Toc27931)

[2.1.1 Configure Environment 4](#_Toc2903)

[2.1.2 complie and run 4](#_Toc14047)

[2.2 LINUX 4](#_Toc1155)

[2.2.1 Evnironment Configure 4](#_Toc16914)

[2.2.2 Complie and Run 4](#_Toc4194)

[2.3 MacOS 4](#_Toc24877)

[2.4 Version Requirements 5](#_Toc2443)

[2.4.1 System Version 5](#_Toc5729)

[2.4.2 Software Version 5](#_Toc7037)

[三 Interface Protocol 5](#_Toc4351)

[四 Configure Description 5](#_Toc19177)

[4.1 Basic Configure 5](#_Toc4876)

[4.2 Log Configure 5](#_Toc18798)

[五 operation manual 6](#_Toc26774)

[5.1 Generate list 6](#_Toc14376)

[5.2 edit update 6](#_Toc9855)

[5.2 update file 6](#_Toc22464)

[appendix 7](#_Toc21726)

[Appendix 1 Type Define 7](#_Toc22999)

[Appendix 2 Protocol Define 7](#_Toc2339)

[Appendix 3 Transformation Definition 7](#_Toc26379)

|  |  |  |  |
| --- | --- | --- | --- |
| File Status：  [ ] Draft  [√] Release | File Name： | XEngine UPDate Service Docment | |
| Be A Version： | V1.2.0.1001 | |
| Released： | 2022-07-15 | |
| Writer： qyt | | |

# Preface

## Reader

Developer ,tester

## **Overview**

This document contains related technical descriptions and interface definitions

## Associate Module

The service used XEngine as Network Toolki.if you want to use code,you have to installed XEngine

# 一 Technical structure

Used to HTTP protocol though basic protoco

## Directory Structure

* XEngine\_Docment:docment path
* XEngine\_Release:complie release path
* XEngine\_Source:code path

## Source Directory

* XEngine\_UPDater:Cross-platform application
* Other projects are dependent modules

# 二 Configure Env

## 2.1 WINDOWS

Need to XEngine.

### 2.1.1 Configure Environment

Follow the instructions in the XEngine Readme file to execute the script to configure the environment

### 2.1.2 complie and run

When you complete with configuration.you can use vs open it and complie.

If environment not have error.complie is succesed.contrain 5 module and 1 exe program

After success, you can copy VSCopy.bat to your compilation directory, and running it will automatically copy the modules you need to your current program directory

Note: Xengine environment can be copied to your compilation directory through vscopy script, provided that you configure your xengine environment

## 2.2 LINUX

### 2.2.1 Evnironment Configure

If you use linux.you must running on ubuntu(20.04) or centos(8.x)...

### 2.2.2 Complie and Run

Configure complete.you can complie it.open terminal in you xengine\_storage dir and execute command.

complie:make

install:make FLAGS=InstallAll

clean:make FLAGS=CleanAll

If there is no error.you can see complied XEngine\_UPDateApp file in XEngine\_Releas

## 2.3 MacOS

MacOS requires 12 or above versions, and the compilation and operation mode can refer to linux

## 2.4 Version Requirements

### 2.4.1 System Version

Minimum version requirements:

WINDOWS: win7 sp1

Ubuntu:20.04

Centos:8.x

MacOS:12

### 2.4.2 Software Version

Minimum version requirements:

XEngine:V7.38

# 三 Interface Protocol

Use HTTP to implement network communication and software update

Payload json information update

# 四 Configure Description

Configure File:XEngine\_Config.ini

## 4.1 Basic Configure

Configure Information:ServiceConfig

* bIsDown:0 Just Check update,1 download
* nDlCount:max allow update of number download
* tszUPUrl:update address,need to program create
* tszLocalList:local update list address,need to program create
* tszDownPath:Download file temporary save path

## 4.2 Log Configure

Configure Information:XLog just only use to version without interface

* nMaxSize:max log file size
* nMaxCount:file back number
* nLogLeave:log level
* tszLogFile:log save address

# 五 operation manual

## 5.1 Generate list

Run the program in terminate or command.first create update list file

./XEngine\_UPDater -m ./The directory to be updated ./update url, it is recommended to use a relative path

Like:./XEngine\_UPDater -m ./XEngine\_Release\* http://www.xyry.org/file/xengine\_release.txt

After the updated list file is generated, you can open it in text to check whether the content is correct

Success will generate./XEngine\_Config/XEngine\_Release.list local configure

XEngine\_Release.txt remote configure,the file need update to the server

You can specify local list file through -f parament

## 5.2 edit update

Local file list XEngine\_Release.list will be auto update,The user does not need to modify it specially except to make sure that it generates no errors..

The remote list needs to be edited by the user. The remote list fields are as follows

MainVersion:mainly version,This version number is higher than the local version to update

MainDescription:Version description

DelList:List of files to delete, array[“1.exe”,”2.exe”]

UPList:update of file,this list file need to match your local file list

ModuleCode:module number,can be HASH

ModuleDownload:download address

ModuleName:module name

ModuleRun:is it run,1 is running

ModuleVersion:module version,Use this value to determine whether to update

If you need to update a module, you need to change the main version number, and then modify the version number of the module that needs to be updated..

## 5.2 update file

If your program download configuration is 0, then it will only check whether there is an update, otherwise it will automatically download the file that needs to be updated

After downloading the file, the system will automatically install the file to your directory and execute the cleanup procedure.

# appendix

## Appendix 1 Type Define

reference file:XEngine\_CommHdr.h

## Appendix 2 Protocol Define

reference file:XEngine\_ProtocolHdr.h

## Appendix 3 Transformation Definition

reference file:XEngine\_Types.h only LINUX