

Updater

Design Notes

Interactive Laboratories

Updater

Change Log

Version	Author	Changes
1.0.0.0	Rico	Initial revision

Updater

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Preface

This document is a compilation of notes to aid in describing the Updater program.

Updater

Update Process

Determining Files to Update

Updater will connect to the FTP site provided by configuration settings and proceed to direct itself to the appropriate directory for the platform. In order to limit bandwidth and verify the contents of a file, there will be a series of files containing MD5 hashes in binary form. Updater will then proceed to download the MD5 hash files and compare the values in them against the files stored locally. If the hash values are different, the differing file on the server will be obtained.

Directory Layout on the FTP Server

To facilitate in the process of determining files which need to be downloaded, the FTP server's directory layout for serving files must follow the following format:

/projects/<project>/<platform>/builds/<build type>/archive/<year>/<month>/<day>/<time>/.md5

/projects/<project>/<platform>/builds/<build type>/latest/.md5

/projects

Root directory for multiple projects to be available from one FTP site

<project>

Name of the project for which the files are to be updated

<platform>

Specify the platform the files are for

builds

A project may have various builds, such as Prototype, Alpha, Beta, Stable, Unstable, Release, PointRelease, 1.0, and so on

<build type>

Build type for a project, as listed in builds. This is an arbitrary value which is significant only to the developer's build naming convention

archive

Archived versions of the build for the project

<year>

Year of archive version

<month>

Month of archive version

<day>

Day of archive version

<time>

Time of build committed to FTP site in the format of HHMMSS (Hour/Minute/Second)

latest

Current build of the project for the build type

.md5

Contains the MD5 hashes in the form of <filename>.md5, where <filename> is the complete, relative file name to the directory as well as the file which will have been previously hashed by the uploader
