Mt Wilson

Installation

# Background

The Mt Wilson installation procedure must be fully automated in order to decrease development and testing costs and to make it easy for partners to integrate it into their own products.

# Architecture

In this document, installation refers to copying necessary files to and running necessary commands on the target server such that when the installation is complete, the Mt Wilson setup tasks are ready to be executed and the server can be started.

An environment file is a file containing shell variable definitions. If present, the environment file is read by the self-extracting installer in order to automate its choices and avoid the need for user input.

## Distribution

### Self-extracting installer

Mt Wilson is comprised of numerous Java archives, shell scripts, HTML content, and executable binaries. These are packaged into a zip file. This zip file is wrapped with an installation script and a self-extracting archive.

### Linux Package

Mt Wilson may also be available as a Linux package in Ubuntu, RedHat, SUSE, etc. Each Java archive, executable binary, and shell script collection might be packaged separately to let the package manager automatically install them as dependencies of the main package.

### Windows Package

Mt Wilson may also be available as a Windows Installer (.msi) package.

# Development Roadmap

Currently the “functions.sh” file contains functions to assist in the installation and setup of many features. This needs to be separated into one shell script per feature. For better performance, these separate scripts can be combined into a single functions.sh every time they are updated.

## Windows

On the build server, we can install WiX, Mono, and Wine together to allow us to integrate Windows Installer (.msi) generation into the build process.

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