
agile-diamond Documentation

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Agile-Diamond

Agile-Diamond helps initiate and manage a software development project.

Overview

Agile-Diamond contains everything needed to start and control an Agile software project. These files expand into a template with sensible defaults for a small team to start building something. An Agile-Diamond project compiles into PDFs, DOCX, presentations, and a website.

1.1 Installation

```
pip install Agile-Diamond
```

1.2 Documentation

<http://agile-diamond.readthedocs.org>

Introduction

2.1 Quick Start

Agile-Diamond contains everything needed to start and control an Agile software project.

2.1.1 Prerequisites

See the [System Requirements](#) for help installing prerequisites.

2.1.2 Install

```
mkvirtualenv agile-diamond
pip install Agile-Diamond
```

2.1.3 Scaffold

Scaffold into a new directory

```
mkdir my-agile-project
agile-new.sh software my-agile-project
```

2.1.4 Use it

Edit the files to capture your work and then render a Project document.

```
make
```

2.1.5 Flask-Diamond

Agile-Diamond is well suited to application development using the [Flask-Diamond](#) framework. **Flask-Diamond** is a batteries-included Flask framework. Easily scaffold a working application with sensible defaults, then override the defaults to customize it for your goals.

2.2 System Requirements

Agile-Diamond requires some software to be installed in order to function. Once you have installed these requirements, you can follow the [Quick Start](#) to start your first project. The following packages should be installed globally, as the superuser, for all users on the system to access.

- Python 2.7.x.
- Python development libraries (i.e. header files for compiling C code)
- pip
- virtualenv
- virtualenvwrapper

The following sections describe the process for installing these requirements on various systems. In each of the following examples, it is assumed you will be using a root account (or some other privileged account).

If you do not have root access, then refer to the section [Unprivileged Installation](#) for information about creating a virtualenv in your user account.

2.2.1 Debian/Ubuntu

Agile-Diamond installs cleanly on Debian and Ubuntu systems released after 2011.

```
apt-get install python python-dev python-pip build-essential
apt-get install sqlite-dev
pip install --upgrade pip
pip install --upgrade virtualenv
pip install virtualenvwrapper
```

2.2.2 Redhat

Agile-Diamond can be installed on RedHat, but ensure your package manager is installing Python 2.7; as of August 2015, RHEL provides an older version.

```
yum install python python-devel python-pip
yum install sqlite-devel
pip install --upgrade pip
pip install --upgrade virtualenv
pip install virtualenvwrapper
```

2.2.3 OSX with Homebrew

Agile-Diamond installs pretty easily on OSX with Homebrew. Make sure you are using the *admin* user for this process, just like a normal Homebrew operation.

```
brew install python --universal --framework
brew install pyenv-virtualenv
brew install pyenv-virtualenvwrapper
brew install sqlite
pip install --upgrade pip
```

2.2.4 Windows with Cygwin

Here are a few resources to get you started:

- <http://www.pdxdpixel.com/blog/setting-up-python-and-virtualenv-windows-cygwin/>
- <http://atbrox.com/2009/09/21/how-to-get-pipvirtualenvfabric-working-on-cygwin/>
- <http://anythingsimple.blogspot.ca/2010/04/using-pip-virtualenv-and.html>
- <http://stackoverflow.com/questions/2173963/how-do-i-get-virtualenvwrapper-and-cygwin-to-co-operate>

Note: Have you done this install successfully? Let us know!

2.2.5 Unprivileged Installation

Sometimes, you do not have root access to the system. It is still possible to use Agile-Diamond, but the installation process is slightly different because it does not use `virtualenvwrapper`. Instead, you will create your `virtualenv` directly and use the *activate* macro to work on it.

```
curl -O https://raw.githubusercontent.com/pypa/virtualenv/master/virtualenv.py
python virtualenv.py my-diamond-app
. my-diamond-app/bin/activate
pip install Agile-Diamond
```


3.1 Agile-Diamond License

The MIT License (MIT)

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