Earth Plugin Layers

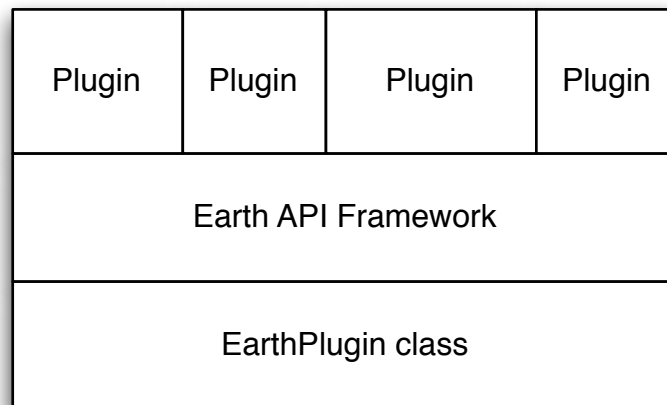| Plugin	Plugin	Plugin	Plugin
Earth API Framework			
EarthPlugin class			

Introduction

The diagram above shows the simplistic view of how will the new Earth plugins be stacked on Earth's own EarthPlugin class.

EarthPlugin Class

This class is provided by Earth itself, which is the parent class of file_monitor.

Earth API Framework

This is the later where all the APIs are stored and partitioned. It will be a framework for all the plugins to be developed on top of. This layer is the intermediary layer between the plugins and the EarthPlugin class. The following are what this layer is responsible of:

- Open up hooking methods for any plugins to use.
- Robust enough to be updated to allow new plugins to be integrated into Earth.
- Verify and authenticate plugins to be used.

Currently, the hooking methods are being explored and will be listed once file_monitor has been surveyed. As of now, most of the methods will be to get and post data into the database.

Plugins

This layer is where all the plugins are. They will only communicate with the Earth API Framework to get what they want done.

As of now, it has been agreed that the plugins can be either stored in the database, for convenience of portability, or run as a file, like any other plugins on the market.