Module Decomposition Diagram

for the Brahma Project

Dependency Resolver

File System Watcher

Plugin Manager

Extension Points

Extensions Manager

Extensions

Plugins

Plugin Manager is the module responsible for managing the various plugins that Brahma Application will be able to accept. It will provide ways of loading and unloading plug-ins at runtime using the File System Watcher and the Dependency Resolver.

Dependency Resolver is the module that resolves dependencies for a given jar, detects cyclic dependencies and other problems related to dependencies.

File System Watcher listens for real-time changes to a given part of the file system to detect the addition/removal of jar files that are potential plugins for the Brahma Application.

Extensions Manager is the module responsible for registering and managing extensions to our system through the Extension Points provided.

The Extension Points are interfaces that provide hooks for Extensions to extend the Brahma Application.

Extensions are Java application using some or all of the provided Extension points in order to extend the functionality of the Brahma Application.

Plugins are arbitrary Java applications that can be managed through the Plugin Manager. They are not extensions to the Brahma Application; it only manages their life cycle.