Module Decomposition Diagram

for the Brahma Project

Loadable Application Manager is the module responsible for managing the various applications that Brahma Application will be able to accept. It will provide ways of loading and unloading applications conforming to an interface at runtime using the File System Watcher and the Dependency Resolver.

Dependency Resolver

File System Watcher

Loadable Application

Manager

Extension Points

Extensions Manager

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 loadable applications for the Brahma Application.

Extensions Manager is the module responsible for registering and managing extensions to our system through the Extension Points provided. It uses the Dependency Resolver to resolve dependencies between extensions.

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