

Package Description

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Edition 1

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Revision History

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1. Package Description

The program's functionality has been separated into modules to group similar operations and tasks. The kernel co-ordinates the communication between these modules.

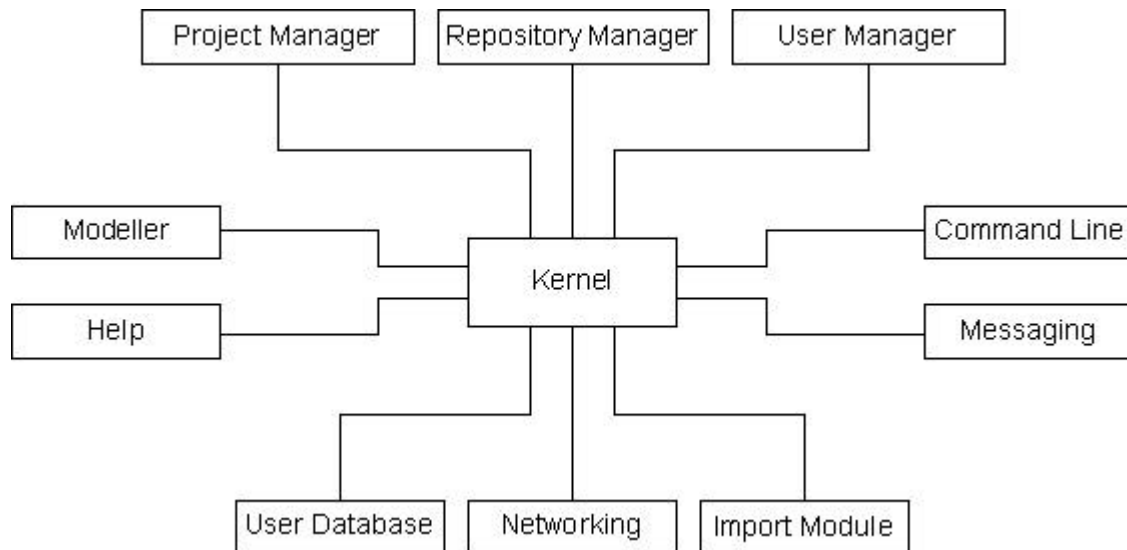


Figure 1 : Package Decomposition

- **Kernel** - The common binding between all modules. All traffic goes through the kernel. It dynamically loads modules as specified.
- **User Manager** - Handles CRUD (**C**reate **R**etrieve **U**ppdate **D**elate) operations for users.
- **Command Line** - Allows registered functions to be executed from the command prompt.
- **Messaging** - Involves both SMTP (**S**imple **M**ail **T**ransfer **P**rotocol) and direct messaging, at the users discretion, as well as an address book.
- **Import Module** - Allows a model from JMetric to be imported into cohesion and displayed.
- **Networking** - Provides a means for the client to communicate with the server and vice versa.
- **User Database** - Contains all the users and their details, permissions etc which are stored persistently in memory. The modules have access to these details.
- **Help** - Allows other modules to register help components so the user may browse or search any area.
- **Modeller** - Allows the creation of meta-models, models and packages using drag and drop techniques.

- **Project Manager** - Maintains permissions and models in a given project.
- **Repository Manager** - Allows projects and models to be checked in and out of the repository while maintaining the integrity of the models.