ABSTRACT

GNU/Linux comes in various distributions and the installation of various packages in them differs. The way they are packaged are different as well as the method of distributing the package related files. This produces incompatibility within various GNU/Linux distributions. In order to avoid this Universal Package Manager is suggested which has the following architecture. All files of a package are installed under a single directory with the name being that of the package itself. In order to maintain the distribution's integrity, based on the package information and the distribution, symbolic links are created in the directories like /usr/bin, /usr/lib etc where the file should actually have resided. When a package is deleted, the corresponding folder is deleted. The project is focused on management of .deb, tar.gz and rpm packages.

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