

Markdown

This program is a simple packet manager that allows you to update and install from a self set up server. It can only handle tar.gz files and will most likely only function on unix systems.

The program doesn't need a large set up. To install files on the server you just need to place the tar.gz archives to where you want them on the folder and then start the server using by typing "python3 server.py [host] [port]" into the command line. Now you can add the packages to the server by typing install [packageName] [version] [path]. The package will now be known to the server as [packageName] and it's version from which it is checked if the clients are up to date is [version]. The file at [path] will be associated with this package and send if a client requests an update or installation.

The server also has the following commands:

clients lets the server print out a list of all clients their ips, if they are connected, when they were last connected and their systeminfo.

client [clientID] shows only the client with the given id.

packages shows a list of all the installed packages, their version and the path the file is on.

The client can be started by typing "python3 client.py [host] [port]" into the command line. It connects to the server with given host and port now. You can use the following commands in the client:

packages shows a list of all the installed packages, their version and the path they are installed in the client

upgrade shows a list of all the installed packages for which a new version is available.

available shows a list of all the packages that are not installed yet.

upgrade [packageName] downloads the newest version of the package.

install [packageName] [path] installs the package at the given path.