

pkgenpack

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Name

pkgenpack — PackageKit Pack Generator

Synopsis

```
pkgenpack [--help] [--verbose] [--with-package-list] [--output] [--package] [--updates]
```

Description

This manual page documents briefly the **pkgenpack** command.

pkgenpack is the command line client for PackageKit for creating service packs.

What is a Service Pack?

A service pack is a tarball which contains a set of packages and their dependencies. The user can reduce the dependencies to be packed using the `--with-package-list` option. Along with the dependencies, a service pack has a file named `metadata.conf` which contains the information about the distribution and creation date of the pack.

Creating a Service Pack?

A service pack is created using the command **pkgenpack**.

Options

This program follows the usual GNU command line syntax, with long options starting with two dashes ('-'). A summary of options is included below.

`--help`

Show summary of options.

`--verbose`

Show extra debugging information.

`--with-package-list`

Set the filename of dependencies to be excluded.

Generally, the file list of packages is generated when doing a PackageKit refresh on the target system. If not specified, **pkgenpack** uses `/var/lib/PackageKit/system.package-list` by default.

`--output`

The directory to put the pack file, or the current directory if omitted.

`--package`

The package to be put into the ServicePack.

--update

Put all updates available in the ServicePack.

Naming a Service Pack

The only valid extension for a service pack is ".servicepack".

Examples

1. Tim is facing problems with his Internet connection at home. He needs a service pack with `valgrind` and its dependencies for his system. He asks James to generate a pack for him. Both know James's system should contain similar packages as Tim's system, as both of them have installed Fedora 9 two days ago.

James simply runs:

```
[james@jamesbook:~]$ pkgenpack --output=/media/USB/TimPacks --package=valgrind
```

This generates a file `/media/USB/TimPacks/valgrind-fedora-9-i686.servicepack` on the USB key Tim gave to James. Tim can now go home, insert the USB key and double clicks on the `valgrind-fedora-9-i686.servicepack` file to be prompted to install these packages.

2. Bill wants to create a service pack named `kdegames-fedora-9-i686.servicepack` for his new system which does not have an internet connection. He generates a list of packages on his system using `pkcon list-create` and copies that list to his USB key. He then gives that USB to Rishi who has a good internet connectivity. Rishi runs the following command on his system:

```
[rishi@devils-temple:~]$ pkgenpack --with-package-list=/media/USB/bill.package-list \
--output=/home/rishi/Desktop --program=kdegames
```

This generates a service pack, `kdegames-fedora-9-i686.servicepack`, on Rishi's Desktop, which can be distributed to Bill and users with similar requirements.

Installing A Service Pack

Service Packs can be installed using `pkcon`. For example:

```
[hacker@tim-lounge:~]$ pkcon install /media/USB/TimPacks/valgrind-fedora-9-i686.servicepack
```

See Also

`pkmon` (1). `pkcon`(1).

Author

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