



pkg-provides

A plugin for querying which package provides
a particular file



pkg-provides

Who I am ?

My name is Rodrigo Osorio

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\$DAYJOB at Honeywell working on how to bring
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pkg-provides

Do you what pkg is ?



pkg-provides

Pkg can be extended with pluggins

- Acces the pkg database
 - Run special commands
- Add hooks for existing comand
 - Replace existing command
- Extend the tool with new commands



pkg-provides

Pkg-provides is a FreeBSD *pkg* plugin to find which package provides a file

Do you remember *yum provide* ?



pkg-provides

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Date: Thu Jan 25 14:45:04 2018

New Revision: 459945

URL: <https://svnweb.freebsd.org/changeset/ports/459945>

Log:

Add new port: ports-mgmt/pkg-provides

pkg-provides is a pkg plugin write in C for querying which package provides a particular file.



Pkg-provides : syntax

Two simple command

Search:

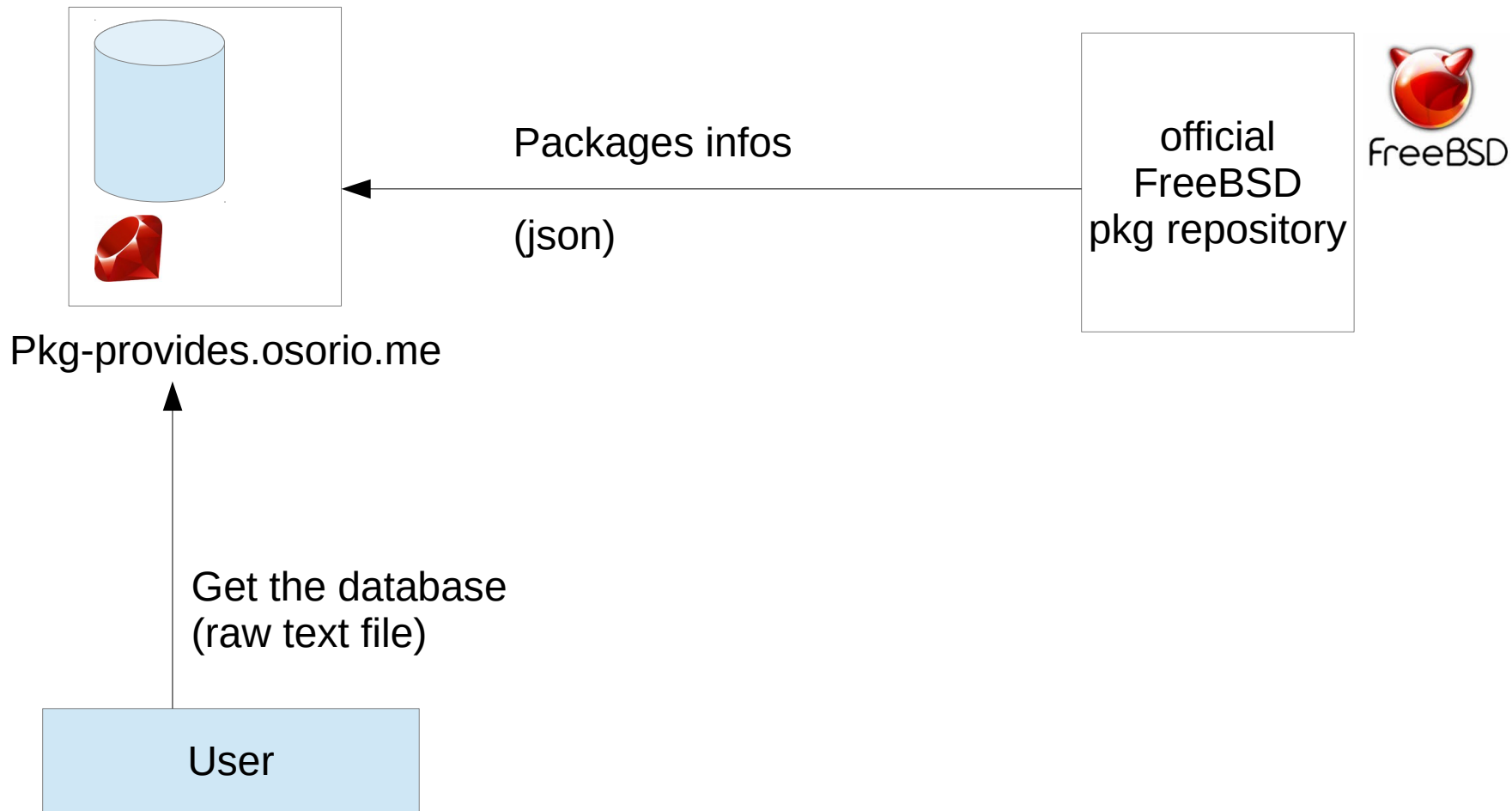
```
$ pkg provides {the-file-you-are-looking-for}
```

Update:

```
$ pkg provides -u[f]
```



Pkg-provides : syntax





Pkg-provides search

Pkg-provides accepts filename
with or without path :

```
$ pkg provides vim
```

```
$ pkg provides bin/vim
```



Pkg-provides search

And also perl regular expressions

\$ pkg provides 'bin/v.m\$'

\$ pkg provides 'bin/[a-z]+sh\$'



Pkg-provides search

You can also search for any kind of file ...

```
$ pkg provides 'libmpg123.so*'
```

```
$ pkg provides LWP/Simple.pm
```

```
$ pkg provides flexoffhandler.h
```



Pkg-provides output

```
$ pkg provide ^vim$
```

```
Name : vim-lite-8.0.1427
```

```
Desc : Improved version of the vi editor (lite package)
```

```
Repo : FreeBSD
```

```
Filename: /usr/local/bin/vim
```

```
Name : vim-8.0.1427
```

```
Desc : Improved version of the vi editor
```

```
Repo : FreeBSD
```

```
Filename: /usr/local/bin/vim
```



Pkg-provides

Future :

- Improve the way I store the information
- Improve the speed
- Make the service more secure (https, sign files)



Pkg-provides

Future :

- Make it an official FreeBSD feature ????
- Build other tools using this database



Pkg-provides

Demo



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Questions ?



Pkg-provides

Thank you ...