

NAME

p11-kit – Tool for operating on configured PKCS#11 modules

SYNOPSIS

p11-kit list-modules

p11-kit extract ...

p11-kit server ...

DESCRIPTION

p11-kit is a command line tool that can be used to perform operations on PKCS#11 modules configured on the system.

See the various sub commands below. The following global options can be used:

-v, --verbose

Run in verbose mode with debug output.

-q, --quiet

Run in quiet mode without warning or failure messages.

LIST MODULES

List system configured PKCS#11 modules.

```
$ p11-kit list-modules
```

The modules, information about them and the tokens present in the PKCS#11 modules will be displayed.

EXTRACT

Extract certificates from configured PKCS#11 modules.

This operation has been moved to a separate command **trust extract**. See **trust(1)** for more information

SERVER

Run a server process that exposes PKCS#11 module remotely.

```
$ p11-kit server pkcs11:token1 pkcs11:token2 ...
```

```
$ p11-kit server --provider /path/to/pkcs11-module.so pkcs11:token1 pkcs11:token2 ...
```

This launches a server that exposes the given PKCS#11 tokens on a local socket. The tokens must belong to the same module. To access the socket, use **p11-kit-client.so** module. The server address and PID are printed as a shell-script snippet which sets the appropriate environment variable:

```
P11_KIT_SERVER_ADDRESS and P11_KIT_SERVER_PID.
```

EXTRACT TRUST

Extract standard trust information files.

This operation has been moved to a separate command **trust extract-compat**. See **trust(1)** for more information

REMOTE

Run a PKCS#11 module remotely.

```
$ p11-kit remote /path/to/pkcs11-module.so
```

```
$ p11-kit remote pkcs11:token1 pkcs11:token2 ...
```

This is not meant to be run directly from a terminal. But rather in a **remote** option in a **pkcs11.conf(5)** file.

This exposes the given PKCS#11 module or tokens over standard input and output. Those two forms, whether to expose a module or tokens, are mutually exclusive and if the second form is used, the tokens must belong to the same module.

BUGS

Please send bug reports to either the distribution bug tracker or the upstream bug tracker at

<https://github.com/p11-glue/p11-kit/issues/>.

SEE ALSO**pkcs11.conf(5)**

Further details available in the p11-kit online documentation at <https://p11-glue.github.io/p11-glue/p11-kit/manual/>.