

**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/>.