

INSTALL

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Before Starting Installtion

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Step 1: Ruby, PostgreSQL and GNUPG

OpenPKSD-TKS need Ruby, PostgreSQL and GNUPG package and assume tools are installed under local directory to avoid "Server system don't work after my distribution is updated" situation. So, you have to install Ruby, PostgreSQL and GNUPG.

Step 2: Install Directory

Make install directory. Default is "/tk".

OpenPKSD-TKS Install

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Step 0: Extract tar archive file

```
# tar zxvfp openpkd-tks-x.x.x.tar.gz
```

Step 1: Make /tk as install directory.

```
# mkdir /tk
# chmod tks /tk
# chgrp tks /tk
```

Step 2: OpenPKSD-KTS install it.

Simply, you type "tar"f, "./configure" and "make install".

```
% cd /tkc
% tar zxvf /somewhere/openpkcd-tks-"version-number".tar.gz
% cd openpkcd-tks-"version-number"
% ./configure
% make install
```

Step 3: Database initialization.

Database initialization is required before you run OpenPKSD-TKS system. You must initialize new database if you don't have it.

**** CAUTION ** DON'T DO THAT IF YOU ALREADY HAVE OpenPKSD-TKS DATABASE. IF YOU DO THAT, YOUR DATABASE MIGHT BE CORRUPTED.**

```
% /tkc/bin/init_db
```

Step 4: Run Database (postgresql)

OpenPKSD-TKS is required PostgreSQL database engine. So, you must run PostgreSQL daemon by "start_db" script before you start openpkcd-tks services.

```
% /tkc/bin/start_db
```

**** NOTE **** Some directories (default: "/tkc/var/...") must be permitted to create and to write for user who run "start_db".

Step 5: Stop Database

If you need to stop PostgreSQL daemon, use "stop_db" script.

**** CAUTION ** DON'T USE "kill" COMMAND WHEN YOU STOP PostgreSQL DAEMON. IF YOU DO THAT, DATABASE MIGHT BE CORRUPTED.**

```
% /tkc/bin/stop_db
```

Step 6: Init Tables

If you run openpkd-tks first time on your site, you have to initialize database tables.

```
% /tks/bin/table_init
```

Note: bin/start_db.sh is required before run this procedure.

Run OpenPKSD

After PostgreSQL daemon was started, you may run OpenPKSD start script.

```
% cd /openpkd
% bin/start_openpkd.sh
```

Init DB By Your Pubring

Read doc/howto_init_openpkd.txt file before you do that.

cgi-bin command installation

See file docs/cgi-base_lookup.txt.

Acknowledgement

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The Information-technology Promotion Agency(IPA) was established on October 1, 1970 by the Japanese statute "Law on Facilitation of Information Processing." Its purpose was to promote information processing through high-level computer applications, primarily by encouraging the development and wider utilization of computer program products and providing aid to companies in the information processing service. In order to ensure that the agency would be amply infused with the creativity and independent spirit of the private sector, it was founded by eminent people drawn from the private sector, and was authorized by the government as the sole official organization under the Law on Facilitation of Information Proceeding. IPA's original capital was also jointly funded by the government and private sources.

More detail, see <http://www.ipa.go.jp/ipa-e/index-e.html>

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