

NAME

gpg-wks-server – Server for the Web Key Service

SYNOPSIS

gpg-wks-server [**COMMAND**] [**OPTIONS**] [**ARGS**]

DESCRIPTION

gpg-wks-server is a server for the Web Key Service. It can handle incoming mails with the **--receive** command.

See the **EXAMPLES** section for procmail and crontab configurations.

You also need a webserver configured to alias requests to */.well-known/openpgp/* and below to the */var/lib/gnupg/wks/<wkd-domain>/* directory.

COMMANDS**--receive**

Receive a submission or confirmation.

--cron Run regular jobs.**--list-domains**

List configured domains, and checks some file and directory permissions.

--version

Show program version and some meta information.

-h, --help

Output a short usage information.

--warranty

Print warranty information.

--dump-options

Dump all available options and commands.

OPTIONS**-v, --verbose**

Enable verbose output.

-q, --quiet

Be somewhat more quiet.

--send Send the mail using sendmail.**-o, --output** *FILE*

Write the mail to *FILE*.

--from *ADDR*

Use *ADDR* as the default sender.

--header *NAME=VALUE*

Add "*NAME*: *VALUE*" as header to all mails.

Can be used to add a header for loop detections, see procmail example.

--debug

Set debugging flags. All flags are or-ed and flags may be given in C syntax (e.g. 0x0042) or as a comma separated list of flag names. To get a list of all supported flags the single word "help" can be used.

--gpg *GPG*

Use the specified command instead of **gpg**.

DIRECTORIES

/var/lib/gnupg/wks/

Contains a subdirectory for each domain to run the server for. Each subdirectory is supposed to contain what should show up on **https://.../.well-known/openpgp/**.

The user running **gpg-wks-server** needs write access to these subdirectories.

EXAMPLES

~/procmairc

Store received emails in **~/Mail/** (create it manually first), uses *From: key-submission@example.com* and *X-WKS-Loop: example.com* as loop detection:

```
MAILDIR=$HOME/Mail
```

```
LOGFILE=$HOME/Mail/from
```

```
LOCKFILE=$HOME/Mail/.lockmail
```

```
VERBOSE=yes
```

```
# filter out FROM_DAEMON mails (bounces, ...) into separate mailbox
```

```
:0
```

```
* ^FROM_DAEMON
```

```
from-daemon/
```

```
# archive (copy!) all "normal" mails
```

```
:0 c
```

```
archive/
```

```
# if not in a loop: handle mails with gpg-wks-server
```

```
:0 w
```

```
* !^From: key-submission@example.com
```

```
* !^X-WKS-Loop: example.com
```

```
|gpg-wks-server -v --receive \
```

```
  --header X-WKS-Loop=example.com \
```

```
  --from key-submission@example.com --send
```

```
# if handling failed: store in separate mailbox
```

```
:0 e
```

```
cruft/
```

~/forward

In case procmail is not used automatically the following **~/forward** file might be useful:

```
"|exec /usr/bin/procmail || exit 75"
```

The double quotes are supposed to be included in the file!

crontab

You should run the **--cron** command once a day. Edit the crontab with

```
crontab -e
```

and append the following line:

```
42 3 * * * gpg-wks-server --cron
```

SEE ALSO

- Latest draft for the Web Key Service protocol: <<https://tools.ietf.org/html/draft-koch-openpgp-webkey-service>>
- GnuPG on Web Key Service: <<https://wiki.gnupg.org/WKS>>

BUGS

Please report bugs to <<https://dev.gnupg.org>>.

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This manpage was written by **Stefan Bühler** for the Debian distribution (but may be used by others).