

NAME

gpg-wks-client – Client for the Web Key Service

SYNOPSIS

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

DESCRIPTION

gpg-wks-client is a simple command line client for the Web Key Service. The executable is usually located in `/usr/lib/gnupg`. It allows a user to create a publication request and to respond to a received confirmation request. Communication with the Web Key Service is done via email. It also can lookup the fingerprint of a **USER-ID** in the Web Key Directory.

COMMANDS**--supported USER-ID**

Check whether provider of the given **USER-ID** supports the Web Key Service protocol, i.e. whether it has a Web Key Directory providing a submission address.

Similar to:

```
gpg-connect-agent --dirmngr 'WKD_GET --submission-address -- USER-ID' /bye
```

--check USER-ID

Check whether a key is available, and whether the listed key is valid for the requested **USER-ID**. You might want to use

```
gpg -v --auto-key-locate=clear,wkd,nodefault --locate-key USER-ID
```

instead.

--create FINGERPRINT USER-ID

Create a publication request for the **USER-ID** in the key with the given **FINGERPRINT**. List all possible keys (including the fingerprint) for a **USER-ID** with:

```
gpg --list-key USER-ID
```

By default the publication request will be printed to **STDOUT**. You can also write it to a file using the **--output** option or send it using sendmail with the **--send** option.

--receive

Receive a MIME confirmation request on **STDIN** and acknowledge it.

By default the confirmation response will be printed to **STDOUT**. You can also write it to a file using the **--output** option or send it using sendmail with the **--send** option.

--read Receive a plain text confirmation request. Similar to **--receive**, but takes only the message body on **STDIN**.

--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.
- status-fd FD**
Write status info to this FD.
- 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**.
- fake-submission-addr MAILADDR**
Send mail to MAILADDR instead of the submission address queried through Web Key Service.

EXAMPLES

Send a publication request

First find the fingerprint (a long string of hex digits) of the key you want to publish:

```
gpg --list-key "Alice <alice@example.com>"
```

Now create and send the publication request:

```
/usr/lib/gnupg/gpg-wks-client --create --send 0123456789ABCDEF0123456789ABCDEF01234567 "Alice <alice@example.com>"
```

Instead of "Alice <alice@example.com>" you can also just give *alice@example.com*.

Confirm a confirmation request

Paste the full mail containing the confirmation request (including headers) you got from the Web Key Service on STDIN after starting:

```
/usr/lib/gnupg/gpg-wks-client --receive --send
```

SEE ALSO

- Latest draft for the 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).