

NAME

`git-upload-pack` – Send objects packed back to `git-fetch-pack`

SYNOPSIS

`git-upload-pack` [`--[no-]strict`] [`--timeout=<n>`] [`--stateless-rpc`]
[`--advertise-refs`] `<directory>`

DESCRIPTION

Invoked by `git fetch-pack`, learns what objects the other side is missing, and sends them after packing.

This command is usually not invoked directly by the end user. The UI for the protocol is on the `git fetch-pack` side, and the program pair is meant to be used to pull updates from a remote repository. For push operations, see `git send-pack`.

OPTIONS

`--[no-]strict`

Do not try `<directory>/git/` if `<directory>` is no Git directory.

`--timeout=<n>`

Interrupt transfer after `<n>` seconds of inactivity.

`--stateless-rpc`

Perform only a single read-write cycle with stdin and stdout. This fits with the HTTP POST request processing model where a program may read the request, write a response, and must exit.

`--http-backend-info-refs`

Used by `git-http-backend`(1) to serve up `$GIT_URL/info/refs?service=git-upload-pack` requests. See "Smart Clients" in [the HTTP transfer protocols](#)^[1] documentation and "HTTP Transport" in [the Git Wire Protocol, Version 2](#)^[2] documentation. Also understood by `git-receive-pack`(1).

`<directory>`

The repository to sync from.

ENVIRONMENT**GIT_PROTOCOL**

Internal variable used for handshaking the wire protocol. Server admins may need to configure some transports to allow this variable to be passed. See the discussion in `git`(1).

SEE ALSO

`gitnamespaces`(7)

GIT

Part of the `git`(1) suite

NOTES

1. the HTTP transfer protocols
`file:///usr/share/doc/git/html/technical/http-protocol.html`
2. the Git Wire Protocol, Version 2
`file:///usr/share/doc/git/html/technical/protocol-v2.html`