



## ***Linux Ubuntu 26.04 Manual Pages on command 'git-remote-fd.1'***

***\$ man git-remote-fd.1***

GIT-REMOTE-FD(1)

Git Manual

GIT-REMOTE-FD(1)

### NAME

git-remote-fd - Reflect smart transport stream back to caller

### SYNOPSIS

"fd::<infd>[,<outfd>][/<anything>]" (as URL)

### DESCRIPTION

This helper uses specified file descriptors to connect to a remote Git server. This is not meant for end users but for programs and scripts calling git fetch, push, or archive.

If only <infd> is given, it is assumed to be a bidirectional socket connected to a remote Git server (git-upload-pack, git-receive-pack, or git-upload-archive). If both <infd> and <outfd> are given, they are assumed to be pipes connected to a remote Git server (<infd> being the inbound pipe and <outfd> being the outbound pipe).

It is assumed that any handshaking procedures have already been completed (such as sending service request for git://) before this helper is started.

<anything> can be any string. It is ignored. It is meant for providing information to the user in the URL in case that URL is displayed in some context.

## ENVIRONMENT VARIABLES

### GIT\_TRANSLOOP\_DEBUG

If set, prints debugging information about various reads/writes.

## EXAMPLES

`git fetch fd::17 master`

Fetch master, using file descriptor #17 to communicate with git-upload-pack.

`git fetch fd::17/foo master`

Same as above.

`git push fd::7,8 master (as URL)`

Push master, using file descriptor #7 to read data from git-receive-pack and file descriptor #8 to write data to the same service.

`git push fd::7,8/bar master`

Same as above.

## SEE ALSO

`gitremote-helpers(7)`

## GIT

Part of the `git(1)` suite

Git 2.53.0

03/02/2026

GIT-REMOTE-FD(1)