

NAME

git-remote-ext - Bridge smart transport to external command.

SYNOPSIS

```
git remote add <nick> "ext::<command>[ <arguments>...]"
```

DESCRIPTION

This remote helper uses the specified *<command>* to connect to a remote Git server.

Data written to stdin of the specified *<command>* is assumed to be sent to a `git://` server, `git-upload-pack`, `git-receive-pack` or `git-upload-archive` (depending on situation), and data read from stdout of *<command>* is assumed to be received from the same service.

Command and arguments are separated by an unescaped space.

The following sequences have a special meaning:

`'% '`

Literal space in command or argument.

`%%`

Literal percent sign.

`%s`

Replaced with name (`receive-pack`, `upload-pack`, or `upload-archive`) of the service Git wants to invoke.

`%S`

Replaced with long name (`git-receive-pack`, `git-upload-pack`, or `git-upload-archive`) of the service Git wants to invoke.

`%G` (must be the first characters in an argument)

This argument will not be passed to *<command>*. Instead, it will cause the helper to start by sending `git://` service requests to the remote side with the service field set to an appropriate value and the repository field set to the rest of the argument. Default is not to send such a request.

This is useful if the remote side is `git://` server accessed over some tunnel.

`%V` (must be first characters in argument)

This argument will not be passed to *<command>*. Instead it sets the *vhost* field in the *git://* service request (to the rest of the argument). Default is not to send *vhost* in such request (if sent).

ENVIRONMENT VARIABLES

GIT_TRANSLOOP_DEBUG

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

ENVIRONMENT VARIABLES PASSED TO COMMAND

GIT_EXT_SERVICE

Set to long name (*git-upload-pack*, etc...) of service helper needs to invoke.

GIT_EXT_SERVICE_NOPREFIX

Set to long name (*upload-pack*, etc...) of service helper needs to invoke.

EXAMPLES

This remote helper is transparently used by Git when you use commands such as "*git fetch <URL>*", "*git clone <URL>*", "*git push <URL>*" or "*git remote add <nick> <URL>*", where *<URL>* begins with **ext::**. Examples:

```
"ext::ssh -i /home/foo/.ssh/somekey user@host.example %S foo/repo"
```

Like *host.example:foo/repo*, but use */home/foo/.ssh/somekey* as keypair and *user* as the user on the remote side. This avoids the need to edit *.ssh/config*.

```
"ext::socat -t3600 - ABSTRACT-CONNECT:/git-server %G/somerepo"
```

Represents repository with path */somerepo* accessible over *git* protocol at the abstract namespace address */git-server*.

```
"ext::git-server-alias foo %G/repo"
```

Represents a repository with path */repo* accessed using the helper program "*git-server-alias foo*". The path to the repository and type of request are not passed on the command line but as part of the protocol stream, as usual with *git://* protocol.

```
"ext::git-server-alias foo %G/repo %Vfoo"
```

Represents a repository with path */repo* accessed using the helper program "*git-server-alias foo*". The hostname for the remote server passed in the protocol stream will be "*foo*" (this allows multiple virtual *Git* servers to share a link-level address).

```
"ext::git-server-alias foo %G/repo% with% spaces %Vfoo"
```

Represents a repository with path ***/repo with spaces*** accessed using the helper program "*git-server-alias foo*". The hostname for the remote server passed in the protocol stream will be

"foo" (this allows multiple virtual Git servers to share a link-level address).

"ext::git-ssl foo.example /bar"

Represents a repository accessed using the helper program "git-ssl foo.example /bar". The type of request can be determined by the helper using environment variables (see above).

SEE ALSO

gitremote-helpers(7)

GIT

Part of the **git(1)** suite