Git Server

Did setup a *Git* server on (MX) *Linux*, which can be used via *SSH* as user “git”.

1. install packages `git` and `openssh`;
2. create a system user “git”:

```
sudo adduser --system --home /home/git --shell /usr/bin/git-shell --group git
```

3. change into it's home directory and run a shell as user “git” (`cd /home/git && sudo -u git bash`);
4. setup *SSH* directory:

```
mkdir .ssh && chmod 0700 .ssh
touch .ssh/authorized_keys && chmod 0600 .ssh/authorized_keys
```

5. append public key of each potential client somehow to `.ssh/authorized_keys`, for example by:

```
cat /from/somehow/id_rsa.pub >> .ssh/authorized_keys
```

6. (optional) provide a shell script `~/git-shell-commands/no-interactive-login` for testing authentication (test from extern with: `ssh git@gitsrv` or `ssh git`);

Finally init an “example” project (as user “git”, see above)

```
mkdir ~/example.git
git init --bare ~/example.git
```

and push something in, may be a bare “example” repository located on another network host:

```
git clone --mirror file:///home/repos/example example.git
cd example.git
git push --mirror git@gitsrv:example.git
```

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