

Beyond Linux® From Scratch (systemd Edition) - Version 12.1		
Chapter 13. Programming		
	/	
GDB-14.1	Running a Git Server	

# Git-2.44.0

## Git

Git

Git

. Git [Mercurial-6.6.3](#), Bazaar, [Subversion-1.14.3](#), [CVS](#), Perforce, Team Foundation Server  
가

LFS 12.1

- (HTTP): [git-2.44.0.tar.xz](#)
- MD5 Sum: 7e4eb7c45e9ba7c90fa51deeea49732f
- : 7.1 MB
- : 307 MB ( , 18 MB 가)
- : 0.3 SBU ( =4, 0.4 SBU 가, 5 SBU ( ))

가

- [git-manpages-2.44.0.tar.xz](#) ([asciidoc-10.2.0](#), [xmlto-0.0.28](#))
- [git-htmldocs-2.44.0.tar.xz](#) ([asciidoc-10.2.0](#)).

## Git

- [cURL-8.6.0](#) http, https, ftp ftp Git
- [Apache-2.4.58](#)
- [Fcron-3.2.1](#) , git
- [GnuPG-2.4.4](#) , Git

- [OpenSSH-9.6p1](#) , ssh Git
- [pcre2-10.42](#) PCRE-8.45
- [Subversion-1.14.3](#) Perl , , git svn
- [Tk-8.6.13](#) Git gitk Tk
- [Valgrind-3.22.0](#)
- [SASL](#) , git send-email
- [Base64](#) , git send-email
- [IO-Socket-SSL-2.085](#) , SSL SMTP git send-email
  
- [Systemd-255](#) , Linux-PAM-1.6.0 , git

(man, html, )

- [xmlto-0.0.28](#)
- [asciidoc-10.2.0](#)
- [dblatex](#) PDF
- [docbook2x](#)

Git

Git .

```
./configure --prefix=/usr \
            --with-gitconfig=/etc/gitconfig \
            --with-python=python3 &&
make
```

/ HTML  
가 .

[asciidoc-10.2.0](#) man html .

```
make html
```

[asciidoc-10.2.0](#) [xmlto-0.0.28](#) man .

```
make man
```

. make  
test -k |& tee test.log. 가 , grep '^not ok'  
test.log | grep -v TODO .

root

```
make perllibdir=/usr/lib/perl5/5.38/site_perl install
```

## man page, HTML

```
root          man          .
```

```
make install-man
```

```
root          html         .
```

```
make htmldir=/usr/share/doc/git-2.44.0 install-html
```

## man page, html

```
man page          root          .
```

```
tar -xf ../git-manpages-2.44.0.tar.xz \
  -C /usr/share/man --no-same-owner --no-overwrite-dir
```

```
html          root          .
```

```
mkdir -vp /usr/share/doc/git-2.44.0 &&
tar -xf ../git-htmldocs-2.44.0.tar.xz \
  -C /usr/share/doc/git-2.44.0 --no-same-owner --no-overwrite-dir &&

find /usr/share/doc/git-2.44.0 -type d -exec chmod 755 {} \; &&
find /usr/share/doc/git-2.44.0 -type f -exec chmod 644 {} \;
```

## html-docs html ( )

```
html-docs          . root
```

```
mkdir -vp /usr/share/doc/git-2.44.0/man-pages/{html,text} &&
mv /usr/share/doc/git-2.44.0/{git*.txt,man-pages/text} &&
mv /usr/share/doc/git-2.44.0/{git*.,index.,man-pages/}html &&

mkdir -vp /usr/share/doc/git-2.44.0/technical/{html,text} &&
mv /usr/share/doc/git-2.44.0/technical/{*.txt,text} &&
mv /usr/share/doc/git-2.44.0/technical/{*.,}html &&
```

```
mkdir -vp /usr/share/doc/git-2.44.0/howto/{html,text} &&
mv /usr/share/doc/git-2.44.0/howto/{*.txt,text} &&
mv /usr/share/doc/git-2.44.0/howto/{*.,}html &&

sed -i '/^<a href=/s|howto/|&html/|' /usr/share/doc/git-2.44.0/howto-index.html &&
sed -i '/^\\* link:/s|howto/|&html/|' /usr/share/doc/git-2.44.0/howto-index.txt
```

- `-with-gitconfig=/etc/gitconfig:`

Git /etc/gitconfig .
- `-with-python=python3:`

가 Python 2 Python 3 . Python Perforce git
- `-with-libpcre2:`

p4 PCRE2가 JIT가 .
- `-with-libpcre1:`

PCRE2 PCRE가 JIT가 .
- `tar -xf ../git-manpages-2.44.0.tar.gz -C /usr/share/man --no-same-owner:`

git-manpages-2.44.0.tar.gz untar . -C tar가 /usr/share/man . -no-same-owner tar가 .
- `mv /usr/share/doc/git-2.44.0 ...:`

( ) .
- `find ... chmod ...:`

tar .

Git

~/.gitconfig /etc/gitconfig

- : git, git-receive-pack, git-upload-archive, git-upload-pack( ), git-cvsserver, git-shell, gitk scalar
- /usr/libexec/git-core, /usr/lib/perl5/5.38/site\_perl/Git, /usr/share/{doc/git-2.44.0,git-core,git-gui,gitk,gitweb}

- **git**
- **git-cvsserver**  
Git CVS
- **gitk**  
Git (Tk-8.6.13 )
- **git-receive-pack**  
git send-pack
- **git-shell**  
SSH Git
- **git-upload-archive**  
git archive -remote git
- **git-upload-pack**  
git fetch-pack
- **scalar**  
Git

From:  
<https://gamu.kr/dokuwiki/> -

Permanent link:  
<https://gamu.kr/dokuwiki/beyondlinuxfromscratch/installedpackages/git-2.44.0>

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