

# Installing dev system (git + chiliproject)

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## Install Debian Squeeze (6.0)

1. Download the current Debian x64 network installation ISO. (Currently debian-6.0.2.1-amd64-netinst.iso)
2. Create a new x64 virtual machine. If Debian 6 isn't available then choose Debian 5. Allocate enough CPUs, RAM and disk space. Mount the ISO as a CD that will be connected at power on.
3. Run through the Debian installer. When asked what components to install then deselect all options.
4. Disable installation of "recommended" dependencies by running:  
`echo APT::Install-Recommends "false"; > /etc/apt/apt.conf.d/80myconf`
5. Install the ssh server and some basic utilities:  
`apt-get install openssh-server vim less sudo ca-certificates`

## Install Apache, PostgreSQL and Chiliproject

6. Install Apache, PostgreSQL and the prerequisites of Chiliproject:  
`apt-get install ruby1.8 ruby1.8-dev rubygems1.8 build-essential postgresql libpq5 libpq-dev apache2-mpm-prefork libapache2-mod-passenger`
7. Install the bundler gem that will be used to get the rest of Chiliproject's dependencies:  
`gem install bundler`
8. Create an empty database for Chiliproject:  
`sudo -u postgres psql  
CREATE ROLE chiliproject LOGIN ENCRYPTED PASSWORD 'some_password' NOINHERIT VALID UNTIL 'infinity';  
CREATE DATABASE chiliproject WITH ENCODING='UTF8' OWNER=chiliproject;  
\q`
9. Create a directory and a user account for Chiliproject:  
`mkdir /srv/chiliproject  
adduser --system --home /srv/chiliproject --group --disabled-login chiliproject`
10. Download chiliproject (currently version 2.1.1) and extract it to /srv/chiliproject:  
`cd /srv/chiliproject  
tar xf some_path/chiliproject-2.1.1.tar.gz --strip=1  
rm .gitignore .gitmodules .hgignore files/delete.me log/delete.me`
11. Make the Ruby gems available in PATH and install Chiliproject's dependencies using bundle:  
`export PATH=$PATH:/var/lib/gems/1.8/bin  
bundle install --without=sqlite mysql mysql2 openid rmagick test`  
Look for a green success message at the end.
12. Copy config/database.yml.example to config/database.yml and change the production section:  
`production:  
 adapter: postgresql  
 database: chiliproject  
 host: localhost  
 username: chiliproject  
 password: some_password  
 encoding: utf8`

13. Copy config/configuration.yml.example to config/configuration.yml and change the mail delivery section to:

```
default:
  # Outgoing emails configuration (see examples above)
  email_delivery:
    delivery_method: :smtp
    smtp_settings:
      address: l-exch01
      port: 25
```

14. Generate the session store secret:

```
rake generate_session_store
```

15. Create the database tables and load default data:

```
RAILS_ENV=production rake db:migrate
```

```
RAILS_ENV=production rake redmine:load_default_data
```

16. Give chiliproject ownership of directories where it will write data. Change the owner of environment.rb to make the application run in the correct user context:

```
chown -R root.root .
```

```
chown -R chiliproject.chiliproject files log tmp public/plugin_assets
```

```
config/environment.rb
```

17. Create /etc/apache2/sites-available/chiliproject:

```
<VirtualHost _default_:80>
  ServerAdmin webmaster@localhost
  DocumentRoot /srv/chiliproject/public
  <Directory /srv/chiliproject/public>
    Options FollowSymLinks
    AllowOverride None
    Order deny,allow
    Allow from all
  </Directory>

  ErrorLog /var/log/apache2/error.log

  # Possible values include: debug, info, notice, warn, error, crit,
  # alert, emerg.
  LogLevel warn

  CustomLog /var/log/apache2/chiliproject.log combined
</VirtualHost>
```

18. Replace the default site with the new site:

```
a2dissite default
```

```
a2ensite chiliproject
```

```
/etc/init.d/apache2 reload
```

19. Chiliproject is installed and you should be able to log on using admin/admin.

20. Enable LDAP authentication by clicking Administration followed by LDAP authentication and adding a new mode with these settings:

```
Host: l-dom01
```

```
Port: 389
```

```
Account: some_user
```

```
Password: some_password
```

```
Base DN: dc=lorensbergs,dc=com
```

```
Login: sAMAccountName
```

```
First name: givenName
```

```
Last name: sn
```

```
Email: mail
```