

Here are some quick notes about installation on clean Debian etch machine

This page is aimed towards system administrators, if you want information how to customize design of page take a look at [SocialText CSS design](#) (which is included on bottom of this page).

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Helper packages

```
sudo apt-get install wv xpdf-utils unrtf unzip links
sudo cpan MP3::Tag
```

Install source

```
svn co https://repo.socialtext.net:8999/svn/socialtext/trunk socialtext
cd socialtext/nlw
```

```
# checkout latest Socialtext::Resting client
```

```
svn export --force https://repo.socialtext.net:8999/svn/socialtext-clients/trunk/rest/perl/Social
```

```
./configure --socialtext-open 1 --apache-proxy 0 --force-ssl-login 1
```

```
make
```

```
sudo bash
```

```
make install
```

```
update-rc.d -f apache-perl remove
```

```
update-rc.d st-apache defaults
```

```
update-rc.d ceqlotron defaults
```

```
/etc/init.d/st-apache start
```

```
/etc/init.d/ceqlotron start
```

Update existing checkout

```
cd sociaialtext
svn update
cd nlw
./configure --socialtext-open 1 --apache-proxy 0 --force-ssl-login 1
make
make test
sudo make install
sudo /etc/init.d/st-apache stop
sudo /etc/init.d/ceqlotron restart
sudo /etc/init.d/st-apache start
```

Add new admin user

```
sudo -u www-data st-admin create-user --email dpavlin@rot13.org --password wikidream \
  --first-name Dobrica --last-name Pavlinusic
sudo -u www-data st-admin add-workspace-admin --email dpavlin@rot13.org
```

Configuring mailer

postfix

Install and configure postfix for mail delivery

```
apt-get install postfix
vi /etc/postfix/main
```

Important lines are following:

```
alias_maps = hash:/etc/aliases, hash:/etc/aliases.deliver
alias_database = hash:/etc/aliases, hash:/etc/aliases.deliver
```

They add `/etc/aliases.deliver` (which SocialText generates with names of wiki workspaces) to configuration.

Next, we need to create `/etc/aliases.deliver.db` which is binary version of database needed for postfix. It's extremely important that `aliases.deliver` file is owned by `www-data` because postfix picks user which will do e-mail delivery based on owner of aliases file. If your owner of `/var/www/socialtext` is some other user than `www-data` you will have to modify following command appropriately:

```
# make www-data owner of file
chown www-data:root /etc/aliases.deliver
# allow root group to write in /etc/
```

```
chmod g+w /etc/  
# create /etc/aliases.deliver.db  
sudo postalias /etc/aliases.deliver
```

Now restart postfix as `root` user

```
/etc/init.d/postfix restart
```

crontab

Add following to `/etc/crontab` to refresh aliases database for postfix regularly:

```
*/10 * * * * root postalias /etc/aliases.deliver
```

Handling e-mail errors

```
sudo tail /var/log/mail.log | grep st-admin
```

```
dsn=5.3.0, status=bounced (Command died with status 13: "/usr/local/bin/st-admin  
deliver-email --workspace bio". Command output: open nlw-stats.log: Permission  
denied at /usr/local/share/perl/5.8.8/Socialtext/Statistics.pm line 103. END failed--call  
queue aborted. )
```

This problem is reported on `socialtext-devel` list, but no response so far.

```
# sudo vi +24 /usr/local/share/perl/5.8.8/Socialtext/Statistics.pm  
Readonly my $LOG_NAME => 'nlw-stats.log';  
Readonly my $LOG_PATH => $ENV{APACHE_LOG_DIR}  
    ? "$ENV{APACHE_LOG_DIR}/$LOG_NAME"  
    : "/tmp/$LOG_NAME";
```

Customize template

Remove "Did you know?" box from dashboard

```
sudo vi /usr/share/nlw/template/view/homepage
```

Or from your `socialtext/nlw` checkout (so that `make install` will install correct one):

```
vi share/template/view/homepage
```

Fix RSS feed errors

If you are using `{fetchrss http://blog.rot13.org/index.xml}` and having problems with RSS feeds, try to re-installing two perl modules:

```
sudo cpan XML::RSS XML::Atom
```

Change e-mail address of workspace

This configuration change will feed responses to e-mails generated by wiki back into wiki. You might not want to do that! :-)

```
st-admin set-workspace-config --workspace rot13 \  
  email_notification_from_address '"random unstructured stuff" <rot13@wiki.rot13.org>'
```

Access simple version of page

Every SocialText wiki has a lite version available at <http://wiki.example.com/lite/page/:workspace/>

For this wiki it's <http://saturn.ffzg.hr/lite/page/rot13>

Configure sane resource usage

Since SocialText wiki is designed to run on dedicated box, it's resource requirements are not for faint-hearted users. However, if you are installing it on machine with constraint hardware (or virtual machine) you might want to decrease number of `apache-perl` server which are created on startup and kept running. Each apache child takes about 80Mb of RAM, so lowering number of children will have beneficial effect on your memory usage.

If you open `/etc/apache-perl/st-httpd.conf` you will see comment that describes command used for generating this configuration. So, let's edit command limits, re-create config and restart apache:

```
vi +485 dev-bin/gen-config  
dev-bin/gen-config --sitewide --apache-proxy=0 --hostname=saturn.ffzg.hr  
/etc/init.d/st-apache reload
```

Convert RSS feed URLs to absolute

If you need to fetch RSS feeds from remote URLs and those providers create only relative URLs in feeds (like `svnweb` does) that this patch might help you: [FetchRSSPlugin.pm.diff](#)

It does dirty magic to prepend hostname before URL in feeds making them work from Socialtext wiki which is on different host.

Problems with 8-bit UTF-8 encoded characters in URLs

It seems that trunk of socialtext

```
Repository Root: https://repo.socialtext.net:8999/svn/socialtext
Repository UUID: 593ce9bc-2028-0410-bb98-c566b643a948
Revision: 6127
Node Kind: directory
Schedule: normal
Last Changed Author: jjp
Last Changed Rev: 6028
Last Changed Date: 2007-12-10 19:38:21 +0100 (Mon, 10 Dec 2007)
```

has problems with CGI.pm 3.31. As a temporary work-around use [backpan.sh](#) to download CGI.pm 3.29 which is known to work.

Enable html waf1 in workspace

This enables .html markup which enables embedded html into wiki page

```
st-admin set-workspace-config --workspace razmjnavjestina allows_html_waf1 1
```

Upgrade to 2.2

There are various problems with this upgrade.

Socialtext::Resting

For a start, you will have to install Socialtext::Resting client **in the middle** of `make install` because import of `help workspace` will fail.

You can get it from

<https://repo.socialtext.net:8999/svn/socialtext-clients/trunk/rest/perl/Socialtext-Resting>

Missing directory

```
mkdir /etc/apache-perl/socialtext-conf.d
```

Missing skins

<http://code.google.com/p/socialtext-skins/wiki/SkinningIssues>

Problem not yet solved.

SocialText CSS design

This page collect various parts which used to be in [Socialtext Open Wiki Install](#), but since they are more oriented towards wiki admins and designers, it's here as separate page.

~~file:///usr/share/nlw/rot13~~

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New skin (CSS design) creation

```
cd /usr/share/nlw/css/  
cp -r st rot13  
st-admin set-workspace-config --workspace rot13 skin_name rot13  
vi rot13/screen.css
```

See also [CSS kit](#) at SocialText Open Wiki

Keep local changes in SVN

It's important to save local modifications, because next `make install` **will overwrite** your changes in `/usr/share/nlw`. One possibility is to do overlay svn checkout over `/usr/share/nlw` and than `svn add` and `svn commit` every change:

```
cd /usr/share  
svn co file:///data/st-custom/share nlw.svn  
cd nlw.svn  
find . | cpio -pdu ../nlw/  
cd - && rm -Rf nlw.svn  
cd nlw  
svn info
```