Siberian CMS Single App Edition installation notes and usage hints
for v4.9.3,
4 Apr 2017

- Project home page (documentation is also there): https://www.siberiancms.com/
- Project sources and bug tracker on GitHub: https://github.com/Xtraball/SiberianCMS

Generally just a web hosting with MySQL database is needed to install SiberianCMS. But domain name is required for the installation (some.name.tld, not name.tld/some_folder). Some packages should be available on the server, and not all web hostings may provide that. Also not strictly necessary, but there should be option to add record to crontab to launch some Siberian CMS processes.
We used Debian 8 virtual machine (20GB HDD/2 GB RAM) to host 6 installations of SiberianCMS. Separate domain names were created and Apacke configured accordingly.

Siberian CMS has to web pages – content editing backend – accessed by just goint to **your.domain.tld** and backoffice that is accessible at **your.domain.tld/backoffice**. They use the same login/password, that is set during installation.

It's recommended time after time to enter backoffice page and check and install updates. Same just after installation – there might be a number of updates that are not included in the installation. Updates are installed one after one in Settings → Modules in the backoffice.

You might want to turn off the question about offline mode that application asks on first startup, this is set in content editing backend in Settings→Advanced.

In order to be able to add Youtube videos via Video section in Custom page feature, you have to add Youtube API key. This is done in backoffice.

Similarly, for users to be able to login with Facebook in the application Facebook app_id might be required, we did no test that.

You might need some sort of web server to store video or audio files there – in some places Siberian CMS only offers an option to specify link to file and gives no option to upload audio or video file.

Application icon, application name and startup image are stored within application itself, so in order to change them you have to recompile and republish the app. All other contents is taken from server and could be changed "on fly". The application needs restarting, since it gets content on startup.

If there is no access to Internet, the application on startup just shows startup image and does not display any error messages.

Under Android you can install the application to a phone without publishing to Google Play – just copy the APK file to phone using USB cable, set "Allow untrusted sources" in phone's settings and open the APK file using phone's file browser.

To make screenshot of the appliation for Google Play or to test the app or e.g use it via browser on Windows phone you can go to

http://your.domain.tld/var/apps/browser/index-prod.html

There you will find exactly the same content that is shown by the app.

Sometimes, when trying to generate application sources it may happen, that application stays in "Generating" status and it never gets completed. This may happen, e.g. if the server was restarted during generation process. To cancel generation you have to go to backoffice and click "Remove locks" button on the Dashboard. They you need to delete all records from table **source_queue** in Siberian database.

In case of any problem check Siberian CMS forum or bugtracker on the GitHub page. A similar problem might be discussed there. Remember, that Siberian CMS is opensource, so you can try to fix problems yourself / find someone who can do it.

Below is the instructions for Siberian CMS installation on Debian 8 (Jessie) that we used. We did not configure cron and email sending. Please read all notes here, since sometimes Siberian CMS is not very user friendly on installation and e.g. "Error connecting to database" might need something quite different.

apt-get install apache2 mysql-server zip php5 php5-mysql php5-gd php5-curl optipng jpegoptim pngquant default-jdk
  During installation it will ask to create mysql root password. Enter something secure enough.

wget https://www.siberiancms.com/version/siberian_sae.install.zip
unzip siberian_sae.install.zip
rm /var/www/html/index.html
  Otherwise Apache will open it first, not index.php.
cp index.php /var/www/html/
chown www-data:www-data /var/www/html -R
  With this we set owner to /var/www/html folder and index.php, contained in it to www-data. This is needed, since index.php will be downloading installation files, so it needs write access to the folder where it's located. (Or may be more correctly it would be as in Siberian docs: Set the permissions to 750 on the Siberian install folder (The permissions must be applied on this folder. Do not recursively change the permissions!), and set the permissions to 644 on the .htaccess and htaccess.txt files of your Siberian install folder. Then, try again.)

mysql -uroot -p
  Enter the password that was specified when installing mysql.
  CREATE DATABASE app1;
  CREATE USER 'app'@'localhost' IDENTIFIED BY 'password';
  GRANT ALL PRIVILEGES ON app.* TO 'app'@'localhost' with grant option;
  quit;

```
a2enmod rewrite

nano /etc/apache2/sites-enabled/000-default.conf
  Add below lines after "DocumentRoot /var/www/html"
      <Directory /var/www/html>
            Options Indexes FollowSymLinks
            AllowOverride all
      </Directory>

service apache2 restart
```

  Open the web site in browser. The page will be slow to load (since actual installation tarball is being dowloaded on server meanwhile). Then installation wizard will show up. During the connection to the database, if you get a message "error", that means the mod_rewrite isn't enabled on your server and/or Apache can't read the htaccess file. See with your hosting provider to enable this and retry to install. It will be ok only once when you enter your-install-url.com/whatever you are redirected to your-install-url.com

  Install updates via web interface in Settings -> Modules