

# Using the Sencha Command to Rebuild Optimized JS code

## Background

- RADIUSdesk uses the ExtJS toolkit for the GUI
- The version used is the GPL version 7.0 (The Non-GPL version is already at 7.4)
- We assume you have standard install of the Git code of RADIUSdesk.

## Get the Sencha Command

- Go to this URL: <https://www.sencha.com/products/extjs/cmd-download/>
- Select under the **Installers without JRE Included** the **LINUX 64-BIT** link and download the latest installer.
- As the link states, there is no JRE bundled with the installer, you have to install a JRE on your system for the JRE to work correct.
- Install a JRE on Ubuntu 20.04

```
sudo apt install default-jre
```

## Install the Sencha Command

- Unzip the Sencha Command file

```
unzip SenchaCmd-7.4.0.39-linux-64-no-jre.zip
#This is the output
#Archive:  SenchaCmd-7.4.0.39-linux-64-no-jre.zip
# inflating: SenchaCmd-7.4.0.39-linux-amd64.sh
```

- Run the installer shell (using the file which was produced during the unzip)

```
./SenchaCmd-7.4.0.39-linux-amd64.sh
#This might be needed (!=== REPLACE '/home/system' with the user you are
logged in as===!)
export PATH=$PATH:/home/system/bin/Sencha/Cmd/7.4.0.39
```

- Depending if you are on a system with some desktop (like Xfe) or without one, the installer will ask you some questions about the install. Just select the defaults to complete the install.
- After the install, you should be able to run the Sencha command

```
sencha help
```

## Check out the GPL version of ExtJS

- A git repo with the GPL version of ExtJS 7.0 is here: <https://github.com/tremmez/extjs-gpl>
- Select a working directory where you want to check it out into

```
#As an example
cd /home/system/Documents/sencha
git clone https://github.com/tremmez/extjs-gpl.git extjs-gpl-7.0
```

## Link it to the JS Code

- If you have a standard Git install of RADIUSdesk there will be the following folder  
**/var/www/rd\_code/rd**
- Create the following symbolic link

```
sudo ln -s /home/system/Documents/sencha/extjs-gpl-7.0
/var/www/rd_code/rd/ext
```

## Change the ownership and make create a dev area

- We will create a dev area to test our changes and see if they are working.
- We assume a user called **system** will edit the files. Change to fit your environment.

```
sudo ln -s /var/www/rd_code/rd /var/www/html/rd_dev
sudo chown -R system. /var/www/rd_code
sudo chown -R www-data. /var/www/html/cake3/rd_cake/tmp
sudo chown -R www-data. /var/www/html/cake3/rd_cake/logs
sudo chown -R www-data. /var/www/html/cake3/rd_cake/webroot/img/realms
sudo chown -R www-data.
/var/www/html/cake3/rd_cake/webroot/img/dynamic_details
sudo chown -R www-data.
/var/www/html/cake3/rd_cake/webroot/img/dynamic_photos
sudo chown -R www-data.
/var/www/html/cake3/rd_cake/webroot/img/access_providers
sudo chown -R www-data. /var/www/html/cake3/rd_cake/webroot/img/nas
sudo chown -R www-data. /var/www/html/cake3/rd_cake/webroot/files/imagecache
```

## Confirm everything is working

- The following URL will display the non-optimized code
- [http://127.0.0.1/rd\\_dev/#dashboard](http://127.0.0.1/rd_dev/#dashboard)
- You can now modify the code and test the changes under that URL
- Once you are happy with all your changes its time to optimize the code

```
cd /var/www/rd_code/rd
```

```
sencha app build production
#Note there will be some JRE related warnings... thats normal
```

- After the build it optimised you can reach it here
- [http://127.0.0.1/rd\\_dev/build/production/Rd/#dashboard](http://127.0.0.1/rd_dev/build/production/Rd/#dashboard)
- -OR-
- <http://127.0.0.1/rd>

## Making your changes 'LIVE'

- To serve these latest changes under the document root of Nginx

```
sudo cp -R /var/www/html/rd/* /var/www/html/
```

From:

<https://www.radiusdesk.com/docuwiki/> - **RADIUSdesk**

Permanent link:

[https://www.radiusdesk.com/docuwiki/technical\\_discussions/sencha\\_command](https://www.radiusdesk.com/docuwiki/technical_discussions/sencha_command)

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