Building RPMs using Docker

Starting with sipXcom 15.10 it is possible to build RPMs using Docker. This allows you to build RPMs from any Linux distribution (Windows and Mac don't seem to be working yet).

Step-by-step guide

Make sure docker is installed and started:

```
yum install docker
service docker start
```

Get the build image:

```
docker pull dizzy/docker-dev-rpm
```

Clone the sipXcom git repository to a local directory:

```
git clone https://github.com/sipXcom/sipxecs.git
```

Check out the branch you are going to build:

```
cd sipxecs
git checkout -b release-15.10 origin/release-15.10
```

Set up the build process (make sure you use the correct path):

```
./build_docker_rpm.sh --source-dir=/usr/local/src/sipxecs --version=15.10 --project=init
```

Build the RPM you want (again, make sure path is correct):

```
./build_docker_rpm.sh --source-dir=/usr/local/src/sipxecs --version=15.10 --project=sipXbridge
```

or build the entire project:

```
./build_docker_rpm.sh --source-dir=/usr/local/src/sipxecs --version=15.10 --project=sipx
```

After the build is complete, the RPMs will be in

`./build/repo/CentOS_6/x86_64`

If you want to test specific RPMs, you can replace an individual RPM on your test server by copying the RPM over, and then running:

```
rpm -iv --replacepkgs --replacefiles sipxbridge-15.10-7870.21f47.x86_64.rpm
```

Related articles

- Building
- Building RPMS on CentOS or Fedora
- Building RPMs using Docker

- Building sipXecs in Netbeans