CentOS 7 and RHEL 7

About

FreeSWITCH project has been moved to GitHub: https://github.com/signallwire/freeswitch
Please open new issues in: https://github.com/signallwire/freeswitch/issues

This article contains FreeSWITCH™ installation instructions on hosts with CentOS7 or RHEL7 operating system.

Linux

Sofia-sip and SpanDSP Notice!

⚠️ SpanDSP and sofia-sip
   Sofia-sip and SpanDSP dependencies have been removed from the FreeSWITCH™ tree since v1.10.4 Release (05 August 2020).
   You can find source files of Sofia-sip here: https://github.com/freeswitch/sofia-sip
   SpanDSP sources are here: https://github.com/freeswitch/spandsp
   Packages for Sofia-sip and SpandDSP are available for all supported platforms from our packaging repos.
   You might have to visit each directory, run ./bootstrap.sh then ./configure then make install

Installing from RPM Packages

Easy Way

Release

FreeSWITCH™ can be installed from packages as follows

```
yum install -y https://files.freeswitch.org/repo/yum/centos-release/freeswitch-release-repo-0-1.noarch.rpm
epel-release
yum install -y freeswitch-config-vanilla freeswitch-lang-* freeswitch-sounds-*
systemctl enable freeswitch
```

FreeSWITCH™ is now installed and can be accessed with

FreeSwitch CLI

```
fs_cli -rRS
```

Master for Testing

⚠️ WARNING not suitable for production

The master branch of FreeSWITCH™ can be installed from packages as follows

```
yum install -y https://files.freeswitch.org/repo/yum/centos-dev/freeswitch-dev-repo-0-1.noarch.rpm epel-release
```
And then install as follows

```bash
yum install -y freeswitch-config-vanilla freeswitch-lang-* freeswitch-sounds-*
systemctl enable freeswitch
```

### Compiling from source code

#### Building from source

**Release**

FreeSWITCH™ can be built from source if you desire but it is not recommended.

In case of errors about "no usable spandsp" or sofia-sip, compile and install spandsp and sofia-sip first, then

```bash
echo 'PRG_CONFIG_PATH=/usr/local/lib/pkgconfig'
where ls /usr/local/lib/pkgconfig should list at least
sofia-sip-ua.pc spandsp.pc
Then FreeSWITCH should compile properly.
```

```bash
yum install -y https://files.freeswitch.org/repo/yum/centos-release/freeswitch-release-repo-0-1.noarch.rpm
eyepel-release
yum-builddep -y freeswitch
yum install -y yum-plugin-ovl centos-release-scl rpmdevtools yum-utils git
```  

```bash
scl enable devtoolset-4 'bash'
```

```bash
cd /usr/local/src
git clone -b v1.10 https://github.com/signalwire/freeswitch.git freeswitch
cd /usr/local/src/freeswitch
./bootstrap.sh -j
./configure --enable-portable-binary
  --prefix=/usr --localstatedir=/var --sysconfdir=/etc
  --with-gnu-ld --with-python --with-erlang --with-openssl
  --enable-core-odbc-support --enable-zrtp
make
make -j install
make -j cd-sounds-install
make -j cd-moh-install
```

### Master for Testing

**WARNING** not suitable for production

FreeSWITCH™ can be built from source if you desire but it is not recommended.
yum install -y https://files.freeswitch.org/repo/yum/centos-dev/freeswitch-dev-repo-0-1.noarch.rpm epel-release
yum-builddep -y freeswitch
yum install -y yum-plugin-ovl centos-release-scl rpmdevtools yum-utils git
yum install -y devtoolset-4-gcc*
scl enable devtoolset-4 'bash'
cd /usr/local/src

git clone https://github.com/signalwire/freeswitch.git freeswitch
cd /usr/local/src/freeswitch
./configure --enable-portable-binary \
  --prefix=/usr --localstatedir=/var --sysconfdir=/etc \
  --with-gnu-ld --with-python --with-erlang --with-openssl \
  --enable-core-odbcsupport --enable-zrtp
make -j
make --j install
make --j cd-sounds-install
make --j cd-moh-install

Building packages from source (Obsolete)

Release

FreeSWITCH™ can be built from source as a packages if you desire but it is not recommended as we host the package builds already (see above)

yum install -y http://files.freeswitch.org/freeswitch-release-1-6.noarch.rpm epel-release
yum install -y git alsa-lib-devel autoconf automake bison broadvoice-devel bzip2 curl-devel libdb4-devel
  e2fsprogs-devel erlang flite-devel g722_1-devel gcc-c++ gdbm-devel gnutls-devel libcap-devel ldns-devel
  libcdeo2-devel libcurl-devel libedit-devel libidn-devel libjpeg-devel libmpg123-devel libnss3-devel libopenssl-devel
  libpq-devel libShapes-devel libssh2-devel libsqlite-devel libtool libvorbis-devel libx11-devel ltdl-devel
  libz-devel libxml2-devel libxml2-devel libxml2-devel

SWITCH_VERSION=$(cat build/next-release.txt); echo Building $SWITCH_VERSION; scripts/ci/src_tarball.sh; scripts/ci/get_extra_sources.sh; mv ../src_dist ./; scripts/ci/rpmbuilder.sh $SWITCH_VERSION; echo Completed Build for FreeSWITCH $SWITCH_VERSION

cd /usr/local/src

SWITCH_VERSION=$($cat build/next-release.txt); echo Building $SWITCH_VERSION; scripts/ci/src_tarball.sh; scripts/ci/get_extra_sources.sh; mv ../src_dist ./; scripts/ci/rpmbuilder.sh $SWITCH_VERSION; echo Completed Build for FreeSWITCH $SWITCH_VERSION

Master for Testing

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e2fsprogs-devel flite-devel g722_1-devel gcc-c++ gdbm-devel gnutls-devel libbc2-devel ldns-devel
libcdec2-devel libcurl-devel libedit-devel libidn-devel libjpeg-devel libogg-devel libicals-devel
libisndfile-devel libtheora-devel libstiff-devel libtool libuuid-devel libvorbis-devel libxml2-devel lua-
devel lzo-devel mongo-c-driver-devel ncurses-devel net-snmp-devel openssl-devel pcre-devel perl perl-
ExtUtils-Embed pkgconfig portaudio-devel postgresql-devel python-devel python-devel soundtouch-devel speex-
devel sqlite-devel unbound-devel unixODBC-devel wget which yaml-devel libshout-devel libmpg123-devel lame-
devel rpm-build libX11-devel libyuv-devel

cd /usr/local/src
git clone https://github.com/signalwire/freeswitch.git freeswitch
cd /usr/local/src/freeswitch
SWITCH_VERSION=$(cat build/next-release.txt); echo Building $SWITCH_VERSION; scripts/ci/src_tarball.sh; scripts/ci/get_extra_sources.sh; mv ../src_dist .; scripts/ci/rpmbuilder.sh $SWITCH_VERSION; echo Completed Build for FreeSWITCH $SWITCH_VERSION