Installation

About

This page describes FreeSWITCH™ numbering conventions, basic download instructions, and directions to useful installation pages.

Conventions

The FreeSWITCH™ numbering format is "version.release.maintenance". The release numbering convention is even numbers for current public releases and odd numbers for development branches.

Selecting a Version

The primary FreeSWITCH™ releases are: **Current public release**, recommended for production systems. **Current branch**, contains in-test fixes since the current public release, intended as the next maintenance release. **Master development**, containing the latest fixes and features, intended as the next major release.

> **A Note About Bugs and Issues**
> If you find bugs or issues with the current public release, they must be tested using the *latest* Master because it's possible the problem was fixed. Also, the developers require all bugs to be tested using the *latest* Master before considering any bug reports.
>
> If the bug persists in Master, then you **must** file a JIRA ticket.

> If you're using FreeSWITCH™ version 1.6 which is tagged **End Of Life**, you should upgrade to 1.8 NOW.

Download Current Public Release

The current public version/release of FreeSWITCH™ **recommended for production systems is 1.8**, created 31 July, 2018 followed by maintenance levels. The current release of sounds and prompts is 1.0.51 as of 9 October, 2014.

The latest maintenance level of the current public version of FreeSWITCH™ can be downloaded from freeswitch-files via a browser. If you're using linux it's much easier to copy/paste the long command line below. This single line performs: 1- Determines the latest public release available. 2- Downloads the compressed source file. 3- Decompresses the file into a folder in the current directory. 4- Renames the folder to **freeswitch**. If you don't want the folder renamed remove the last && to the end of the line.

```
FSfile=$(curl -s https://files.freeswitch.org/releases/freeswitch/ | sed -n
's/.*"\(freeswitch\-[0-9]*\.[0-9]*\.[0-9]*\.tar\.bz2\)".*/\1 /p' | tail -n 1) && echo
Downloading $FSfile && curl https://files.freeswitch.org/freeswitch-releases/$FSfile |
tar -xj && mv ${FSfile/.tar.bz2//} freeswitch
```

Download Current Branch

The **current branch** contains fixes going into the **next maintenance level for the release**. Download the current branch using the -b argument followed by 'v' concatenated with the release number. The git command creates the **freeswitch** directory and downloads the FreeSWITCH™ source files, replace # with the release number.

```
git clone -b v1.# https://freeswitch.org/stash/scm/fs/freeswitch.git
```

Download Master Development

The *master development* release contains the latest fixes and features going into the *next release*. Download the latest master release using the "git clone" command below which creates the **freeswitch** directory and downloads the FreeSWITCH™ master development source files.

```
git clone https://stash.freeswitch.org/scm/fs/freeswitch.git
```

FreeSWITCH Adavantage
FreeSWITCH Advantage Support The **FreeSWITCH Advantage** provides commercial-grade support services based on a trouble-free installation package to get you up and running quickly and profitably. Full details available at freeswitch.com

If you're new to FreeSWITCH™ consider purchasing the Mastering FreeSWITCH™ book and be sure to read this introductory article: http://www.linuxpromagazine.com/Issues/2009/106/TALK-SOFT.

Installation Methods

Easy Way

The easiest way to get FreeSWITCH™ is to install the package for your operating system. Pre-built binaries are available for installation on some Linux and Unix distributions as well as Windows.

Debian 8 Package (FreeSWITCH 1.6)

Debian 8 Jessie (preferred) The development team uses and builds against Debian 8 "Jessie". They recommend Debian because of its stable, yet updated, kernel and wide support.

Centos 7 Package (FreeSWITCH 1.6)

CentOS 7 and RHEL 7

Windows

Freeswitch Installer .msi

The binary MSI installer is built each weekend from Git head, includes default modules and 8KHz sounds, and is available for both x86 (32-bit) and x64 (64-bit).

Compiling Master Source Code

If you require the very latest features or patches or wish to hack FreeSWITCH you may compile from source code. FreeSWITCH™ is available for source compilation on Unix and Linux distributions as well as Windows.

Debian 8 Jessie Source

FreeSWITCH™ 1.6 depends on a number of libraries included with Debian 8, which is now the distribution of choice for FS core development team. Follow the instructions on the Debian 8 Jessie page; refer to Debian Post-Install Tasks for finishing touches.

macOS

The comprehensive macOS guide contains instructions for setting up FreeSwitch™ on a Mac with features such as autostart, emailing voicemails and log management.

OpenBSD

Special notes for building from source on OpenBSD.

Smartos

Recently updated installation guide for SmartOS

Updating Binaries

Config Changes
In version 1.4 the names of a number of configuration settings were changed, so you can not simply use old config files on your new FreeSWITCH™ binaries.

Settings of the form sip_*_media have become rtp_*_media because they properly control RTP media streams, SIP has nothing to do with them.

For example, sip_secure_media is now called rtp_secure_media.

Deprecated Instructions

Deprecated Packages

FreeSWITCH™ is developed on Debian 8 "Jessie" which is the much preferred platform. These instructions for older operating systems are maintained as a courtesy, but are unlikely to work without a great deal of effort.

Debian 7 Package (FreeSWITCH 1.4)

Debian Wheezy Package

CentOS 6 Package

```
rpm -Uvh
http://files.freeswitch.org/freesw
itch-release-1-0.noarch.rpm
```

```
yum install
freeswitch-config-vanilla
```

```
yum install sox freeswitch-sounds*
```

Enjoy FreeSWITCH!

Deprecated Compiling From Source Code

These deprecated instructions are FreeSWITCH you may compile from source code. FreeSWITCH™ is available for source compilation on Unix and Linux distributions as well as Windows.

Debian 7 Source

Makefile that builds FreeSWITCH™ including libraries and build dependencies.

CentOS 6 Source

Makefile that builds FreeSWITCH™ including libraries and build dependencies.

Unix Variants

- DragonFlyBSD
- FreeBSD
- NetBSD
- OpenBSD
- Solaris

Mac OS X

Instructions for non-supported OS X systems can be found at Mac OS X Archive.

Windows

Compile with Visual Studio.