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".

Selecting a Version

The primary FreeSWITCH™ releases are:

- **Current Public Release 1.10**, created 5 August, 2019, is **recommended for production systems**. Sounds and prompts release is 1.0.52 as of 19 August, 2016.
- **Current Branch**, contains in-test fixes going into the **next maintenance level** of the current public release.
- **Development**, containing the latest fixes and features, intended as the **next release**.

> ⚠ **A Note About Bugs and Issues**
>
> Bugs or issues with the current public release *must* be tested using the *latest* Development release to determine if the problem is already fixed. Issues must be tested using Development before opening bug reports for them to be considered. If the bug persists in Development, then file an issue on GitHub: https://github.com/signalwire/freeswitch/issues

> ⚠ If you're using FreeSWITCH™ version 1.8 which is tagged **End Of Life**, you should upgrade to 1.10 NOW.

Download Current Public Release

The latest maintenance level of the current public release of FreeSWITCH™ can be downloaded from freeswitch-files via a browser. For linux, it's easier to copy/paste the command line below. This single long 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/ | grep -oE "freeswitch-[0-9]*\.[0-9]*\.[0-9]*\.-release\.tar\.bz2" | tail -n 1) && echo Downloading $FSfile && curl https://files.freeswitch.org/freeswitch-releases/$FSfile | tar -xj && mv ${FSfile/.tar.bz2//} freeswitch
```

Download Current Branch

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://github.com/signalwire/freeswitch.git
```

Download Development

Download the latest development release using the "git clone" command below which creates the **freeswitch** directory and downloads the FreeSWITCH™ development source files.

```
git clone https://github.com/signalwire/freeswitch.git
```

SignalWire STACK

SignalWire STACK is a supported version of FreeSWITCH that comes with expert engineering services

SignalWire also offers Cloud Hosted resources including low-cost PSTN and SMS services for your FreeSWITCH Installation.

Using mod_signalwire in your FreeSWITCH server, and a SignalWire cloud account, you can connect to SignalWire to terminate SIP calls with no configuration.

Full details available by calling **877.742.2583** or by visiting freeswitch.com or signalwire.com

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✅ 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

Pre-Built Binaries

The easiest way to get FreeSWITCH™ is to install a pre-built package for your operating system, available for some Linux and Unix distributions and Windows.

Debian 10 Package (FreeSWITCH 1.10)

Debian 10 Buster (preferred) The development team uses and builds against Debian 10 "Buster". They recommend Debian because of its stable, yet updated, kernel and wide support.

Centos 7 Package (FreeSWITCH 1.10)
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 Source Code

FreeSWITCH™ is available for source compilation on Unix , Linux, macOS, and Windows for the following reasons:

- Pre-built binaries are not available
- You want to see the entire process
- You want to build the Development version because you require the very latest features or patches, or wish to hack FreeSWITCH

Debian 10 Buster Source

FreeSWITCH™ 1.10 depends on a number of libraries included with Debian 10, which is now the distribution of choice for FS core development team. Follow the instructions on the Debian 10 Buster page; refer to Debian Post-Install Tasks for finishing touches.

macOS

There is an installer and comprehensive macOS guide containing 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 10 "Buster" 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/freeswitch-
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.