SignalWire

FreeSWITCH Ecosystem
Update September 2022

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Agenda

- Who Am I?
- What is FreeSWITCH
- Quick history of FreeSWITCH
- SignalWire's involvement
- Community engagement
- How you can help
- The next release
- Q&A / Discussion

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Who Am I?

- Telco geek since 1990-something
- Occasional music producer, DJ, and retro gaming enthusiast
- FreeSWITCH user since 2007 (Truphone)
- Founder and CEO Ziron (UK based wholesale voice and SMS provider) using FreeSWITCH from 2011-2020, sold in January 2020 to TelcoSwitch
- Director of Carrier Operations at SignalWire since July 2021

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What is FreeSWITCH?

- Free and open source real-time communications application server
- Founded in 2006 by Anthony Minessale, Brian West, Michael Jerris
- High performance SIP B2BUA (SBC)
- WebRTC and video support
- Powers many well known telcos and service providers (e.g. Five9s, Amazon Chime, Zoom Phone, Dialpad)

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- January 2006: FreeSWITCH announced at O'Reilly's ETEL conference
- June 2007: First major user goes public (Truphone)
- May 2008: FreeSWITCH 1.0.0 released
- August 2012: Version 1.2.0 released at ClueCon
- Early 2014: Version 1.4.0 released, support for SIP over Websocket and WebRTC
- September 2015: Version 1.6.0 released, added support for video transcoding and video conferencing, Verto protocol for WebRTC, and all WebRTC codecs and standards

SignalWire History

- May 2018: SignalWire acquires FreeSWITCH Solutions
- July 2018: 1.8.0 released at ClueCon
- August 2019: 1.10.0 released at ClueCon
- September 2019: FreeSWITCH repo moved from Bitbucket to SignalWire Github repository but remains open to all
- Lots of 1.10.x releases
- October 2021: 1.10.7 released

- Acquired FreeSWITCH Solutions in May 2018 for an undisclosed sum
- Operates a multi-cloud multi-continent software defined telecommunications network
- Provides commercial support and enterprise branch (FreeSWITCH Enterprise)
- "Sponsors" the FreeSWITCH open source project by paying for a number of developers, both full and part time, plus support roles (community Slack, Office Hours, etc)
- **FreeSWITCH is (and will continue to be) an open source project**

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- Office hours is back! Come and ask any questions to some of the devs and project founders

- Community Slack

- New community forums coming *very* soon!

- Dedicated Community Manager - Alex Rowell

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- Contribute to the community-led FreeSWITCH mods repos
  https://github.com/freeswitch
  - mod_unimrcp (led by long standing contributor Seven Du)
  - mod_janus (contributed by Richard Screene)
  - mod_mosquitto (MQTT) (contributed by Norm Brandinger)
  - They can still be built in-tree from the main repo
- Help fix bugs in sofia-sip (https://github.com/freeswitch/sofia-sip)
- Contribute bug fixes or modules from your company's private FreeSWITCH repo back to the community
  - Every pull request needs to come with a test that covers the new functionality, and, if not existent, validates the current one

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- FreeSWITCH is a stable, mature voice framework and the broader ecosystem needs to keep it that way

    - Lots of companies (an unknown number - reach out!) use FreeSWITCH in a myriad of ways.
    - Of that myriad, some are undocumented or exercise strange code paths
    - So we need to be careful with what is released these days (if anyone remembers 1.6.17-->1.619 were dangerous to use)

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The Next Release

At ClueCon

October 17th-20th

Chicago

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Q&A / Discussion

Thank you!

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