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## Calling Instructions

Wednesday February 8th, 2012 at 1800 UTC (1200 CST / 1300 EST)  
sip:888@conference.freeswitch.org or via the good old PSTN at +1-919-386-9900  
iNum:+44-3300-100-295

Australia: +61 7 3188 7519 (Thanks to Jay Binks - NetSIP.com.au)

gtalk:conf+888@conference.freeswitch.org

Or click on [this link](#)

Or call Skype the skype user "skypiax5", you'll be automatically connected (max 20 concurrent users).

Codecs: PCMU/PCMA, G.722, CELT, Speex, Skype, among others

Press 0 to mute/unmute your self. Press \* to deaf/undeaf.

- What are the Beeps in the conference? One Beep - someone has joined, two beeps - someone has left.

## Agenda

Please add agenda items as needed. If you have a question you'd like to ask then edit the **Items Needing Discussion** section below. Be sure to put your name/nick on your question.

## News, Notes, & Miscellaneous Fun Stuff

- COMMUNITY QUESTION: How do you feel about having more discussions for things that are not FreeSWITCH-specific? For example, we are having a discussion today about git. I would like to know how you all feel about perhaps digging into other subjects that are useful to know but not necessary for FreeSWITCH.

- ◆ Idea: discussion on databases - tables, indices, triggers, etc. I personally would like to see a discussion on this subject, especially from the PostgreSQL perspective as that is now my favorite db. :)
- New (and new-ish) FreeSWITCH stuff (I'm trying to get caught up on ChangeLog)
  - ◆ vm\_auth\_only chan var and auth\_only param - allows voicemail module to do PIN verification w/o actually doing voicemail
  - ◆ valet parking: make auto unpark choose the one waiting the longest instead of the earliest ext val
  - ◆ add tod\_tz\_offset variable to set to the integer value of the tz offset or the tz-offset tag on a per-tag basis (r:65a75664)
  - ◆ sip\_jitter\_buffer\_plc chan var - set to 'false' to prevent the jb from enabling PLC; leave blank to preserve standard behavior (thanks crienzo)
  - ◆ mod\_sndfile now supports ogg and flac
  - ◆ Allow fail\_on\_single\_reject to do negated causes, i.e. fail\_on\_single\_reject=!UNALLOCATED\_NUMBER (r:522c0d53/FS-3675)
  - ◆ t38\_passthru=once handles goofy re-INVITE cases
  - ◆ add voicemail\_formatted\_caller\_id\_number param for templates in vm (r:94b9cc0f)
  - ◆ mod\_say now has 'PRONOUNCED\_YEAR' so that 1985 is "nineteen eighty-five"
  - ◆ new dp app: play\_and\_detect\_speech (thanks crienzo)
  - ◆ new sip param: "sip-options-respond-503-on-busy" send 503 BUSY as response to OPTIONS ping (thanks ledr)
  - ◆ add send\_info dp app and uuid\_send\_info FSAPI and execute\_on\_sip\_extra\_headers and api\_on\_sip\_extra\_headers handler variables (r:b9e28f85)
  - ◆ new chan variables to execute system commands in response to fax results:
    - ◇ system\_on\_fax\_result
    - ◇ system\_on\_fax\_failure
    - ◇ system\_on\_fax\_success

## Featured Presentation

- Travis Cross, git redux
- Audience questions
  - ◆ Is there a way to display the diff for a given commit? For example, I want to see what Ray did on commit 6fd2416da7ca58ff4bb80d7e5b3d1727937b78d0 without digging into fisheye...
    - ◇ [MC: Ray gave me the answer, but I would like to have it discussed further if that's okay, e.g. how can I show more context lines in the diff?]
    - ◇ git log -p 6fd2416da7ca58ff4bb80d7e5b3d1727937b78d0
  - ◆ Add your questions here

## Questions For Developers

- Add your questions here

Whats the difference between the free mod\_vmd/avmd and the paid version mod\_amd? vmd/avmd detects the actual 'beep' and takes A LOT of CPU. The amd module is simpler and tries to detect that a human has answered and said, 'hello'. The amd (answering machine detection) module is probably better described as "human detection". In any case mod\_amd works really well (disclaimer: I have personally used mod\_amd and even done some minor code contributions to it) and does not use much CPU power.

Is there a mod\_ that has a dial/originate example? [MC: could you expound upon this question a bit?] I would like to create or use a FS module that is basically a dialer. I would like a basic module that jsut does a call originate.

Is the support of bind variables for SQL Statements in the ODBC core planned ? Think of performance (avoid hard parses) and security (avoid sql injections)

Performance wise is there any difference between mod\_odbcquery and mod\_xml\_curl?

- They are completely different applications.. one only does a SQL query via odbc and then that's available as a channel variable. The other has you hit a web server (or lua script) then FS parses the XML to do whatever. What's the real question here? mod\_odbcquery has "fewer moving parts" if your situation is simple enough that it would be sufficient - [Avi Marcus](#) The real question here is, Does mod\_xml\_curl impose a greater resource load on FS than odbc\_query given that fs has to parse out the XML extra? Or is it just as much of a load as mod\_odbcquery is?

## Janitorial Items

- All of the new stuff that I have mentioned in news & notes needs to have a documentation check. I believe that some of those items have been added to the wiki by the beneficiary of the feature in question, however it would be really awesome if we could have a few of you take 5 minutes each and pick an item and do the leg work. If you have questions please let me know.

## Items Needing Documentation

- Add your items here

## Stuff started but needs some community input

- Add your items here

## Upcoming Presentations

- Feb 8 - Travis Cross,
- Feb 15 - 2600hz Project
- Feb 22 - Stefan Wintermeyer, Gemeinschaft 4
- Feb 29 - Raymond Chandler, TBA
- Mar 7 - Patterns, regexes, and dialplan how-to
- All other dates in March are OPEN

## Suggestions For Future Meetings & Future To Dos

- Math: Sofia internals
- Eliot Gable: mod\_ha\_cluster
  - ◆ What is mod\_ha\_cluster?
    - ◇ In short: N+X (N Masters + X slaves) HA replacement for "Pacemaker + Corosync managed FS"
  - ◆ What is planned for mod\_ha\_cluster?
    - ◇ In short: manage interfaces, IPs, firewall rules, master/slave status; eventually, share registrations and call states without shared DB and do 'sofia recover' on failover
  - ◆ When will it be available?
    - ◇ In short: Master/slave, interface, IPs, and firewall management within the next couple of months (if I have the amount of time available that I expect to have)
  - ◆ For additional details, or if you would like to beta test, be on the call
- Jeff Lenk: developing for FS in Windows environment

## Presenters Needed For These Topics

- SIP 101 (beginning SIP, how does it work, how to look at different SIP packets)
- mod\_shout/shoutcast, esp with one-way conferences for scalability
- Codec negotiation - early vs. late, why you need it, how to do it
- T.38 - what it is, how to use it, etc.
- Multi-tenancy (bounties welcome)
- Steve Underwood - SpanDSP, T.38, etc. with FreeSWITCH
- mod\_fifo vs. mod\_callcenter - why use one or the other? Strengths and weaknesses of each
- embedding FS in other applications (libfreeswitch)
- IPv6 - what it is, how to use, differences with IPv4, how to configure FS

## Need SIP Trunking or DIDs?

If you are looking for SIP Trunking, Origination or Termination please visit [www.VoiceNetwork.ca](http://www.VoiceNetwork.ca)

- Unlimited Incoming DIDs from \$3.95
- Per Minute DIDs from \$0.99 @ 0.01 per minute
- Outbound Canadian Termination from \$0.005 and USA from \$ 0.0125
- Free iNum's for each account

## See Also

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