

Patton 4114 FXO 5.4 multipurpose configuration

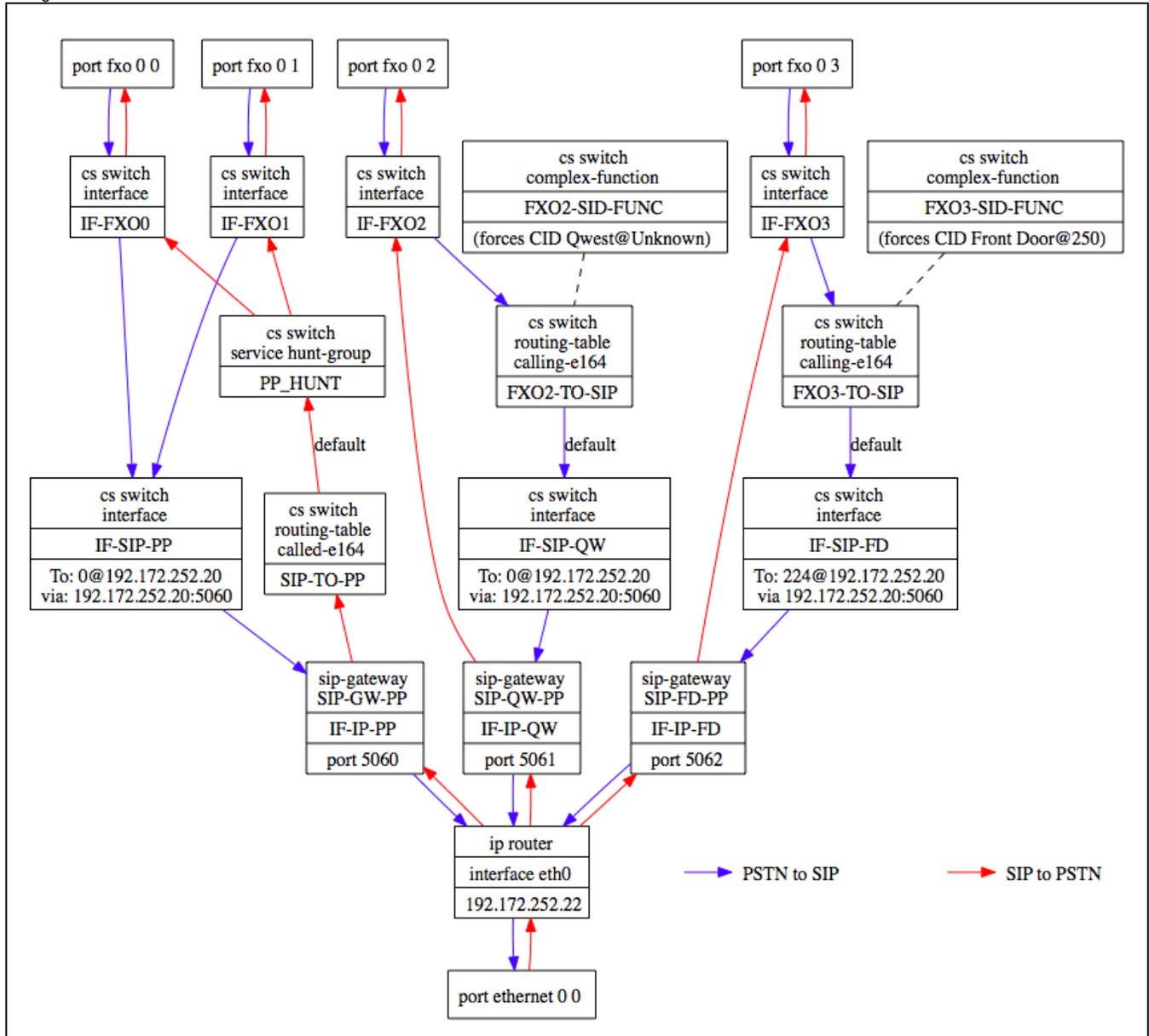
Here is a working configuration for a Patton 4114 FXO running 5.4 where the ports are used for varying purposes (not just a simple milking machine setup).

Overview of setup

1. FXO port 0 and 1 are connected to analog trunks on an ITSP's DTA (a grandstream). In this config I refer to them as 'PP'.
 - a. Inbound calls
 - i. Callerid is provided by the DTA Bell style
 - ii. Both ports ring for the same call if they are both free; there is a 1 ring delay on the 2nd port so both ports don't answer
 - iii. Inbound calls are directed to '0' (the AA) on sipXecs
 - b. Outbound calls
 - i. sipXecs is configured to see these two ports together as an unmanaged gateway on UDP port 5060
 - ii. Either port can be used to make outbound calls
 - iii. 1+10 digit dialing is used
2. FXO port 2 is connected to a POTS Qwest line that does not provide callerid, QW is the abbreviation used for these elements
 - a. Inbound calls
 - i. Calls are directed to '0' (the AA) on sipXecs
 - ii. Callerid is fixed as Unknown, name 'Qwest'
 - b. Outbound calls
 - i. sipXecs is configured to see this port as an unmanaged gateway on UDP port 5061
3. FXO port 3 is connected to a Viking W2000A-EWP doorphone, FD is the abbreviation for these elements
 - a. Inbound calls
 - i. Calls are directed to extension 224 on sipXecs (a hunt group)
 - ii. The callerid is set to number '250' name 'Front Door'
 1. Internally the hunt group goes to several Polycom 650's and 335's which are configured to issue a 'ding dong' distinctive ring on calls from '250' (via the speed dial RT feature and the SAF wave file feature).
 - iii. The input gain is pushed up by 6db as the doorphone's mic is pretty quiet
 - b. Outbound calls
 - i. sipXecs is configured to see this port as an unmanaged gateway on UDP port 5062
 - ii. The door phone does not provide dialtone, going off hook opens the intercom, there is some special setup in the config to deal with this
 - iii. sipXecs is configured with a custom dial rule just for this, when you dial '250' with '0' extra digits it sends a '1'. The patton is configured to strip the 1 out so you don't hear DTMF at the door when dialing out to it.

Patton plumbing

The Patton internally has a number of components you plumb up between the ethernet port and each FXO port. In some cases the same component is used for PSTN -> SIP calls and SIP -> PSTN calls. Below is a chart showing the high level plumbing (but not all the configuration details) for this configuration.



Configuration

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#-----#
#
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