

# Patton 4524 Time of Day and Day of Week Routing

This is an example that assumes the following:

You are in US, New York Timezone. You are using all 4 FXO ports. You want the gateway to auto send the calls to a hunt group (300) from 8:30am-5:00pm during the work week but want them to go to your Auto Attendant (100) at all other times.

The Auto DST-RULES are good through Fall 2016. The example below is marked up for you to be able to adapt it your your environment and is taken from a working example at one of our customer sites.

```
#-----#
#
# SN4524/JO/EUI
# R5.8 2011-09-05 H323 SIP FXS FXO
# 2011-12-09T09:30:39
# SN/00A0BA02D98C
# Generated configuration file
#
#-----#

cli version 3.20
clock local default-offset -05:00
# this assumes your time zone is USA, New York. You can replace your clock offset to refelct your timezone and
your DST start/stop date and times
clock local dst-rule SPRING2011 -04:00 from 02:00 mar 13rd 2011 until 03:00 nov 6th 2011
clock local dst-rule SPRING2012 -04:00 from 02:00 mar 11st 2012 until 03:00 nov 4th 2012
clock local dst-rule SPRING2013 -04:00 from 02:00 mar 10th 2013 until 03:00 nov 3rd 2013
clock local dst-rule SPRING2014 -04:00 from 02:00 mar 9th 2014 until 03:00 nov 2nd 2014
clock local dst-rule SPRING2015 -04:00 from 02:00 mar 8th 2015 until 03:00 nov 1st 2015
clock local dst-rule SPRING2016 -04:00 from 02:00 mar 13rd 2016 until 03:00 nov 6th 2016
dns-client server 192.168.0.16
webserver port 80 language en
sntp-client
#replace NTP1 and NTP2 with your networks preferred NTP ip addresses
sntp-client server primary NTP1 port 123 version 4
sntp-client server secondary NTP2 port 123 version 4
sntp-client local-clock-offset
#replace fx01.sipdomain.tld with the hostname of this device for your network
system hostname fx01.sipdomain.tld

system

    ic voice 0
        low-bitrate-codec g729

profile ppp default

profile call-progress-tone US_Dialtone
    play 1 1000 350 -13 440 -13

profile call-progress-tone US_Alertingtone
    play 1 2000 440 -19 480 -19
    pause 2 4000

profile call-progress-tone US_Busytone
    play 1 500 480 -24 620 -24
    pause 2 500

profile tone-set default
profile tone-set US
    map call-progress-tone dial-tone US_Dialtone
    map call-progress-tone ringback-tone US_Alertingtone
    map call-progress-tone busy-tone US_Busytone
    map call-progress-tone release-tone US_Busytone
    map call-progress-tone congestion-tone US_Busytone

profile voip default
    codec 1 g711alaw64k rx-length 20 tx-length 20
    codec 2 g711ulaw64k rx-length 20 tx-length 20
```

```

profile pstn default

profile sip default
  no autonomous-transitioning

profile aaa default
  method 1 local
  method 2 none

context ip router

  interface LAN
#replace the ip address and mask with the one you will be using for your device
  ipaddress 1.2.3.4 255.255.255.0
  tcp adjust-mss rx mtu
  tcp adjust-mss tx mtu

context ip router
#replace the address 5.6.7.8 with the device real gateway ip address
  route 0.0.0.0 0.0.0.0 5.6.7.8 0

context cs switch
  digit-collection timeout 3

  routing-table called-e164 SIP_TO_ISDN
    route default dest-service OUTBOUND

  routing-table day-of-week RT_DATE
    route saturday dest-interface IF-SIP1 MAP_WEEKEND
    route sunday dest-interface IF-SIP1 MAP_WEEKEND
    route default dest-table RT_TOD

  routing-table time RT_TOD
    route default dest-interface IF-SIP1 MAP_WEEKEND
#change this time to reflect your actual office hours
    route 08:30:00-17:30:00 dest-service HUNT1

  mapping-table time to called-e164 MAP_WEEKEND
# outside of the normal working, hours, specify the Auto Attendant you use to send calls for all other
times, the default AA on sipx is 100
    map default to 100

  interface sip IF_SIPX
    bind context sip-gateway GW-SIP
    route call dest-table SIP_TO_ISDN
# replace with your sipx hostname
    remote pbx.sipdomain.tld
# replace 300 with your hunt group number for daytime calls and pbx.sipdomain.tld with your sipx hostname
    address-translation outgoing-call to-header user-part fix 300 host-part fix pbx.sipdomain.tld

  interface fxo IF_FX00
    route call dest-table RT_DATE
    route call dest-interface IF_SIPX
    disconnect-signal loop-break
    disconnect-signal busy-tone
    ring-number on-caller-id
    dial-after timeout 2
    mute-dialing
    use profile tone-set US

  interface fxo IF_FX01
    route call dest-table RT_DATE
    route call dest-interface IF_SIPX
    disconnect-signal loop-break
    disconnect-signal busy-tone
    ring-number on-caller-id
    dial-after timeout 2
    mute-dialing
    use profile tone-set US

```

```
interface fxo IF_FXO2
  route call dest-table RT_DATE
  route call dest-interface IF_SIPX
  disconnect-signal loop-break
  disconnect-signal busy-tone
  ring-number on-caller-id
  dial-after timeout 2
  mute-dialing
  use profile tone-set US

interface fxo IF_FXO3
  route call dest-table RT_DATE
  route call dest-interface IF_SIPX
  disconnect-signal loop-break
  disconnect-signal busy-tone
  ring-number on-caller-id
  dial-after timeout 2
  mute-dialing
  use profile tone-set US

service hunt-group OUTBOUND
  drop-cause normal-unspecified
  drop-cause no-circuit-channel-available
  drop-cause network-out-of-order
  drop-cause temporary-failure
  drop-cause switching-equipment-congestion
  drop-cause access-info-discarded
  drop-cause circuit-channel-not-available
  drop-cause resources-unavailable
  drop-cause user-busy
  route call 1 dest-interface IF_FXO3
  route call 2 dest-interface IF_FXO2
  route call 3 dest-interface IF_FXO1
  route call 4 dest-interface IF_FXO0

context cs switch
  no shutdown

location-service SIPX_SERVER
  domain 1 sipx.voice.mydomain.loc

context sip-gateway GW-SIP

  interface IF_SIPX
    bind interface LAN context router port 5060

context sip-gateway GW-SIP
  bind location-service SIPX_SERVER
  no shutdown

port ethernet 0 0
  medium auto
  encapsulation ip
  bind interface LAN router
  no shutdown

port ethernet 0 1
  medium 10 half
  shutdown

port fxo 0 0
  flash-hook-duration 50
  use profile fxo us
  caller-id format bell
  encapsulation cc-fxo
  bind interface IF_FXO0 switch
  no shutdown

port fxo 0 1
  flash-hook-duration 50
  use profile fxo us
```

```
caller-id format bell
encapsulation cc-fxo
bind interface IF_FX01 switch
no shutdown

port fxo 0 2
flash-hook-duration 50
use profile fxo us
caller-id format bell
encapsulation cc-fxo
bind interface IF_FX02 switch
no shutdown

port fxo 0 3
flash-hook-duration 50
use profile fxo us
caller-id format bell
encapsulation cc-fxo
bind interface IF_FX03 switch
no shutdown
```