# Trunk

A **Trunk** is a link to another system, such as a phone carrier, pbx, etc, to send and receive calls. A **Trunk** will need a **Trunk Handler** defined beforehand to function properly.

# Adding a Trunk

1) Enter the CLI's configuration mode

2) Ensure you have already made a **Trunk Handler**, while you can create a **Trunk** without defining one, you will still need to define one to ensure that the phone system is properly configured.

3) Enter the name of the **Trunk** you wish to create. You will be prompted with the minimum required settings

```
vbox-markm(config)# trunk building_a
!! Notice: Editing new item: building_a
!! Notice: Minimum requirements needed for insert:
!!   device_type
!!   desc
!!   capacity
vbox-markm(config-trunk building_a)#
```

4) Enter the minimum required settings for adding the **Trunk**, you can use the **"?" key** to get a description of all the available settings.

```
vbox-markm(config-trunk building_a)# capacity 50
vbox-markm(config-trunk building_a)# desc "Main building"
vbox-markm(config-trunk building_a)# device_type
SIP         IAX2        DAHDI       VIRTUAL     SIP-VIRTUAL       ### Used tab to get a list
of the available devices.
vbox-markm(config-trunk building_a)# device_type SIP
```

5) After adding the trunk, use the **show** command to ensure your settings have been saved.

```
vbox-markm(config-trunk building_a)# show
! Generating running-config
!!!!

! -------------- Trunks ----------------
trunk building_a
  capacity 50
  desc "Main building"
  device_type SIP
  prestart_media no
  record no
  trunk_handler_name default
  sip
    allow ulaw,alaw,adpcm,gsm
    call-limit 50
    canreinvite no
    disallow g723,slin,ilbc,lpc10,g729,speex,g726aal2,g722
    host dynamic
    nat yes
    qualify yes
    rtpholdtimeout 60
    rtptimeout 60
    secret 9a97c729fdce1f0a5d68495f82c5159e
    sendrpid yes
    trustrpid no
    username building_a
    exit
  exit

exit

vbox-markm(config-trunk building_a)#
```

6) Next define a **Trunk Handler** that the **Trunk** will use.

```
vbox-markm(config-trunk building_a)# trunk_handler_name
audiocodes                local_loop                pstn                      nycvoip
branch                    nbs- 9734067200           default                   localyny
chvoip                    Nathans_Test_TrunkHandler
vbox-markm(config-trunk building_a)# trunk_handler_name Nathans_Test_TrunkHandler
```

7) Lastly, do a **show** command to ensure your settings are saved.

```
vbox-markm(config-trunk building_a)# show
! Generating running-config
!!!!

! -------------- Trunks ----------------
trunk building_a
  capacity 50
  desc "Main building"
  device_type SIP
  prestart_media no
  record no
  trunk_handler_name Nathans_Test_TrunkHandler
  sip
    allow ulaw,alaw,adpcm,gsm
    call-limit 50
    canreinvite no
    disallow g723,slin,ilbc,lpc10,g729,speex,g726aal2,g722
    host dynamic
    nat yes
    qualify yes
    rtpholdtimeout 60
    rtptimeout 60
    secret 9a97c729fdce1f0a5d68495f82c5159e
    sendrpid yes
    trustrpid no
    username building_a
    exit
  exit

exit

vbox-markm(config-trunk building_a)#
```

# Trunk Settings Description

You can also use the "**?**" key to view the description while in the CLI.  * indicates a required setting.

| | |
|---|---|
| callerid_name | Force this callerid name when receiving calls from this trunk |
| callerid_number | Force this callerid number when receiving calls from this trunk |
| capacity | (*) Maximum number of concurrent calls to/from this trunk |
| desc | (*) Non-functional description |
| device_type | (*) Protocol that this device will use |
| do | To run exec commands in config mode |
| exit | Exit from this level (with notification of incomplete config) |
| iax | Change IAX-specific trunk settings |
| incoming_context_label | |
| no | Clear settings |
| prestart_media | |
| record | Whether to record all calls to/from this device |
| show | Show the running-config for the current item |
| sip | Change SIP-specific trunk settings |
| trunk_handler_name | Name of the trunkhandler to use for incoming call processing |

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