



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'pulse-cli-syntax.5'***

**C:\>man pulse-cli-syntax.5**

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### NAME

pulse-cli-syntax - PulseAudio Command Line Interface Syntax

### SYNOPSIS

~/.config/pulse/default.pa

/etc/pulse/default.pa

/etc/pulse/system.pa

### DESCRIPTION

PulseAudio provides a simple command line language used by configuration scripts, the pacmd interactive shell, and the modules module-cli and module-cli-protocol-{unix,tcp}. Empty lines and lines beginning with a hashmark (#) are silently ignored. Several commands are supported.

Note that any boolean arguments can be given positively as '1', 't', 'y', 'true', 'yes' or 'on'. Likewise, negative values can be given as '0', 'f', 'n', 'false', 'no' or 'off'. Case is ignored.

### GENERAL COMMANDS

help Show a quick help on the commands available.

### STATUS COMMANDS

list-modules

Show all currently loaded modules with their arguments.

list-cards

Show all currently registered cards

list-sinks or list-sources

Show all currently registered sinks (resp. sources).

list-clients

Show all currently active clients.

list-sink-inputs or list-source-outputs

Show all currently active inputs to sinks a.k.a. playback streams (resp. outputs of sources a.k.a. recording streams).

stat Show some simple statistics about the allocated memory blocks and the space used by them.

info or ls or list

A combination of all status commands described above (all three commands are synonyms).

## MODULE MANAGEMENT

load-module name [arguments...]

Load a module specified by its name and arguments. For most modules it is OK to be loaded more than once.

unload-module index|name

Unload a module, specified either by its index in the module list or its name.

describe-module name

Give information about a module specified by its name.

## VOLUME COMMANDS

set-sink-volume|set-source-volume index|name volume

Set the volume of the specified sink (resp. source). You may specify the sink (resp. source) either by its index in the sink/source list or by its name. The volume should be an integer value greater or equal than 0 (muted). Volume 65536 (0x10000) is 'normal' volume a.k.a. 100%. Values greater than this amplify the audio signal (with clipping).

set-sink-mute|set-source-mute index|name boolean

Mute or unmute the specified sink (resp. source). You may specify the sink (resp. source) either by its index or by its name. The mute value is either 0 (not muted) or 1 (muted).

set-sink-input-volume|set-source-output-volume index volume

Set the volume of a sink input (resp. source output) specified by its index.

The same volume rules apply as with `set-sink-volume`.

`set-sink-input-mute|set-source-output-mute index boolean`

Mute or unmute a sink input (resp. source output) specified by its index.

The same mute rules apply as with `set-sink-mute`.

## CONFIGURATION COMMANDS

`set-default-sink|set-default-source index|name`

Make a sink (resp. source) the default. You may specify the sink (resp. source) by its index in the sink (resp. source) list or by its name.

Note that defaults may be overridden by various policy modules or by specific stream configurations.

`set-card-profile index|name profile-name`

Change the profile of a card.

`set-sink-port|set-source-port index|name port-name`

Change the profile of a sink (resp. source).

`set-port-latency-offset card-index|card-name port-name offset`

Change the latency offset of a port belonging to the specified card

`suspend-sink|suspend-source name|index true|false`

Suspend or resume the specified sink or source (which may be specified either by its name or index), depending whether `true` (suspend) or `false` (resume) is passed as last argument. Suspending a sink will pause all playback and suspending a source will pause all capturing. Depending on the module implementing the sink or source this might have the effect that the underlying device is closed, making it available for other applications to use. The exact behaviour depends on the module.

`suspend boolean`

Suspend all sinks and sources.

## MOVING STREAMS

`move-sink-input|move-source-output index sink-index|sink-name`

Move sink input (resp. source output) to another sink (resp. source).

## PROPERTY LISTS

`update-sink-proplist|update-source-proplist index|name properties`

Update the properties of a sink (resp. source) specified by name or index.

The property is specified as e.g. device.description="My Preferred Name"

update-sink-input-proplist|update-source-output-proplist index properties

Update the properties of a sink input (resp. source output) specified by index. The properties are specified as above.

## SAMPLE CACHE

list-samples

Lists the contents of the sample cache.

play-sample name sink-index|sink-name

Play a sample cache entry to a sink.

remove-sample name

Remove an entry from the sample cache.

load-sample name filename

Load an audio file to the sample cache.

load-sample-lazy name filename

Create a new entry in the sample cache, but don't load the sample immediately. The sample is loaded only when it is first used. After a certain idle time it is freed again.

load-sample-dir-lazy path

Load all entries in the specified directory into the sample cache as lazy entries. A shell globbing expression (e.g. \*.wav) may be appended to the path of the directory to add.

## KILLING CLIENTS/STREAMS

kill-client index

Remove a client forcibly from the server. There is no protection against the client reconnecting immediately.

kill-sink-input|kill-source-output index

Remove a sink input (resp. source output) forcibly from the server. This will not remove the owning client or any other streams opened by the same client from the server.

## LOG COMMANDS

set-log-level numeric-level

Change the log level.

set-log-meta boolean

Show source code location in log messages.

set-log-target target

Change the log target (null, auto, journal, syslog, stderr, file:PATH, new? file:PATH).

set-log-time boolean

Show timestamps in log messages.

set-log-backtrace num-frames

Show backtrace in log messages.

## MISCELLANEOUS COMMANDS

play-file filename sink-index|sink-name

Play an audio file to a sink.

dump Dump the daemon's current configuration in CLI commands.

dump-volumes

Debug: Shows the current state of all volumes.

shared Debug: Show shared properties.

exit Terminate the daemon. If you want to terminate a CLI connection ("log out")

you might want to use ctrl+d

## META COMMANDS

In addition to the commands described above there are a few meta directives supported by the command line interpreter.

.include filename|folder

Executes the commands from the specified script file or in all of the \*.pa files within the folder.

.fail and .nofail

Enable (resp. disable) that following failing commands will cancel the execution of the current script file. This is ignored when used on the interactive command line.

.ifexists filename

Execute the subsequent block of commands only if the specified file exists. Typically filename indicates a module. Relative paths are resolved using the module directory as the base. By using an absolute path, the existence of other files can be checked as well.

.else and .endif

A block of commands is delimited by an `.else` or `.endif` meta command. Nesting conditional commands is not supported.

## AUTHORS

The PulseAudio Developers <pulseaudio-discuss (at) lists (dot) freedesktop (dot) org>; PulseAudio is available from <http://pulseaudio.org/>

## SEE ALSO

`default.pa(5)`, `pacmd(1)`, `pulseaudio(1)`

Manuals                      User                      `pulse-cli-syntax(5)`