Command-line interface (CLI)

Help & version

`-h,--help`
shows help text with all available options

`--version`
shows Odoo version e.g. "Odoo Server 16.0"

Running the server

`-d<database>,--database<database>`
database(s) used when installing or updating modules. Providing a comma-separated list restricts access to databases provided in the list.

For advanced database options, take a look below.
`-i<modules>,--init<modules>`
comma-separated list of modules to install before running the server (requires `-d`).
`-u<modules>,--update<modules>`
comma-separated list of modules to update before running the server. Use `all` for all modules. (requires `-d`).
`--addons-path<directories>`
comma-separated list of directories in which modules are stored. These directories are scanned for modules.
`--upgrade-path<upgrade_path>`
specify an additional upgrade path.
`--load<modules>`
list of server-wide modules to load. Those modules are supposed to provide features not necessarily tied to a particular database. This is in contrast to modules that are always bound to a specific database when they are installed (i.e. the majority of Odoo addons). Default is `base,web`.
`-c<config>,--config<config>`
path to an alternate configuration file. If not defined, Odoo checks `ODOO_RC` environmental variable and default location `$HOME/.odoorc`. See configuration file section below.
`-D<data-dir-path>,--data-dir<data-dir-path>`
directory path where to store Odoo data (eg. filestore, sessions). If not specified, Odoo will fallback to a predefined path. On Unix systems its one defined in `$XDG_DATA_HOME` environmental variable or `~/.local/share/Odoo` or `/var/lib/Odoo`.

`-s,--save`

saves the server configuration to the current configuration file (`$HOME/.odoorc` by default, and can be overridden using `-c`).

`--without-demo`

disables demo data loading for modules installed comma-separated, use `all` for all modules. Requires `-d` and `-i`.

`--pidfile=<pidfile>`

path to a file where the server pid will be stored

`--stop-after-init`

stops the server after its initialization.

`--geoip-db<path>`

Absolute path to the GeoIP database file.

Database

`-r<user>,--db_user<user>`

database username, used to connect to PostgreSQL.

`-w<password>,--db_password<password>`

database password, if using password authentication.

`--db_host<hostname>`

host for the database server

`--db_port<port>`

port the database listens on, defaults to 5432

`--db-filter<filter>`

hides databases that do not match `<filter>`. The filter is a regular expression, with the additions that:

`--db-template<template>`

when creating new databases from the database-management screens, use the specified template database. Defaults to `template0`.

`--pg_path</path/to/postgresql/binaries>`

Path to the PostgreSQL binaries that are used by the database manager to dump and restore databases. You have to specify this option only if these binaries are located in a non-standard directory.

`--no-database-list`

Suppresses the ability to list databases available on the system

`--db_sslmode`

Control the SSL security of the connection between Odoo and PostgreSQL. Value should be one of 'disable', 'allow', 'prefer', 'require', 'verify-ca' or 'verify-full' Default value is 'prefer'

`--unaccent`

Use the unaccent function provided by the database when available.

Emails

`--email-from<address>`

Email address used as <FROM> when Odoo needs to send mails

`--from-filter<address or domain>`

Define which email address the SMTP configuration will apply to. For example, "Admin" <admin@example.com> => "Admin" <notifications@mycompany.com>.

`--smtp<server>`

Address of the SMTP server to connect to in order to send mails

`--smtp-port<port>`

`--smtp-ssl`

If set, odoo should use SSL/STARTSSL SMTP connections

`--smtp-user<name>`

Username to connect to the SMTP server

`--smtp-password<password>`

Password to connect to the SMTP server

`--smtp-ssl-certificate-filename<path/to/cert.pem>`

An SSL certificate is to be used for authentication. If set, then `smtp-ssl-private-key` is required.

`--smtp-ssl-private-key-filename<path/to/key.pem>`

An SSL private key is used for authentication. If set, then `smtp-ssl-certificate` is required.

Internationalisation

`--load-language<languages>`

specifies the languages (separated by commas) for the translations you want to be loaded

`-l,--language<language>`

specify the language of the translation file. Use it with –i18n-export or –i18n-import

`--i18n-export<filename>`

export all sentences to be translated to a CSV file, a PO file or a TGZ archive and exit.

`--i18n-import<filename>`

import a CSV or a PO file with translations and exit. The '-l' option is required.

`--i18n-overwrite`

overwrites existing translation terms on updating a module or importing a CSV or a PO file.

`--modules`

specify modules to export. Use in combination with –i18n-export

HTTP

`--no-http`

do not start the HTTP or long-polling workers

`--http-interface<interface>`

TCP/IP address on which the HTTP server listens, defaults to `0.0.0.0` (all addresses)

`-p<port>`

`--http-port<port>`

Port on which the HTTP server listens, defaults to 8069.

`--gevent-port<port>`

TCP port for websocket connections in multiprocessing or gevent mode, defaults to 8072. Not used in default (threaded) mode.

`--proxy-mode`

enables the use of `X-Forwarded-*` headers through Werkzeug's proxy support. Only enable this when running behind a trusted web proxy!

Logging

By default, Odoo displays all logging of level `info` except for workflow logging (`warning` only), and log output is sent to `stdout`. Various options are available to redirect logging to other destinations and to customize the amount of logging output.

`--logfile<file>`

sends logging output to the specified file instead of stdout. On Unix, the file can be managed by external log rotation programs and will automatically be reopened when replaced

`--syslog`

logs to the system's event logger: syslog on unices and the Event Log on Windows.

Neither is configurable

`--log-db<dbname>`

logs to the `ir.logging` model (`ir_logging` table) of the specified database. The database can be the name of a database in the "current" PostgreSQL, or a PostgreSQL URI for e.g. log aggregation.

`--log-handler<handler-spec>`

LOGGER:LEVEL, enables `LOGGER` at the provided `LEVEL` e.g. `odoo.models:DEBUG` will enable all logging messages at or above `DEBUG` level in the models.

`--limit-request<limit>`

Number of requests a worker will process before being recycled and restarted.

Defaults to *8196*.

`--limit-memory-soft<limit>`

Maximum allowed virtual memory per worker. If the limit is exceeded, the worker is killed and recycled at the end of the current request.

Defaults to *2048MiB*.

`--limit-memory-hard<limit>`

Hard limit on virtual memory, any worker exceeding the limit will be immediately killed without waiting for the end of the current request processing.

Defaults to *2560MiB*.

`--limit-time-cpu<limit>`

Prevents the worker from using more than <limit> CPU seconds for each request. If the limit is exceeded, the worker is killed.

Defaults to *60*.

`--limit-time-real<limit>`

Prevents the worker from taking longer than <limit> seconds to process a request. If the limit is exceeded, the worker is killed.

Differs from `--limit-time-cpu` in that this is a "wall time" limit including e.g. SQL queries.

Defaults to *120*.

`--max-cron-threads<count>`

number of workers dedicated to cron jobs. Defaults to *2*. The workers are threads in multithreading mode and processes in multiprocessing mode.