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openerp-server.conf for OpenERP 7 explained

Nikola Stojanoski — January 31, 2013 in Development • 56 comments

Here are the options that you can use in your openerp-server.conf file to tweak your OpenERP 7 installation.

In one of my previous posts Install OpenERP 7.0 from trunk I've written how to start your server with a start scrip just changing the ports and all other default settings. You can also start your server with a specified config file with -c command.

```
./server/openerp-server -c /path/to/openerp-server.conf
```

Here is the config file spitted into parts for easy understanding.

Server startup config – Common options

```
# Admin password for creating, restoring and backing up databases
admin_passwd = admin

# default CSV separator for import and export
csv_internal_sep = ,

# to compress reports
reportgz = False

# disable loading demo data for modules to be installed (comma-separated, use "all" for all modules)
without_demo = False

# Use this for big data importation, if it crashes you will be able to continue at the current state. Provide
a filename to store intermediate importation states.
import_partial =

# file where the server pid will be stored
pidfile = None

# specify additional addons paths (separated by commas)
addons_path = /full/path/to/addons

# Comma-separated list of server-wide modules default=web
server_wide_modules = None
```

XML-RPC / HTTP – XML-RPC Configuration

```
# disable the XML-RPC protocol
xmlrpc = True

# Specify the TCP IP address for the XML-RPC protocol. The empty string binds to all interfaces.
xmlrpc_interface =

# specify the TCP port for the XML-RPC protocol
xmlrpc_port = 8069

# Enable correct behavior when behind a reverse proxy
proxy_mode = False
```

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XML-RPC / HTTPS – XML-RPC Secure Configuration

```
# disable the XML-RPC Secure protocol
xmlrpcs = True

# Specify the TCP IP address for the XML-RPC Secure protocol. The empty string binds to all interfaces.
xmlrpcs_interface =

# specify the TCP port for the XML-RPC Secure protocol
xmlrpcs_port = 8071

# specify the certificate file for the SSL connection
secure_cert_file = server.cert

# specify the private key file for the SSL connection
secure_pkey_file = server.pkey
```

NET-RPC – NET-RPC Configuration

```
# enable the NETRPC protocol
netrpc = False

# specify the TCP IP address for the NETRPC protocol
netrpc_interface =

# specify the TCP port for the NETRPC protocol
netrpc_port = 8070
```

WEB – Web interface Configuration

```
# Filter listed database REGEXP
dbfilter = .*
```

Static HTTP – Static HTTP service

```
# enable static HTTP service for serving plain HTML files
static_http_enable = False

# specify the directory containing your static HTML files (e.g '/var/www/')
static_http_document_root = None

# specify the URL root prefix where you want web browsers to access your static HTML files (e.g '/')
static_http_url_prefix = None
```

Testing Group – Testing Configuration

```
# Launch a YML test file.
test_file = False

# If set, will save sample of all reports in this directory.
test_report_directory = False

# Enable YAML and unit tests.
test_enable = False

# Commit database changes performed by YAML or XML tests.
test_commit = False
```

Logging Group – Logging Configuration

```
# file where the server log will be stored
logfile = None

# do not rotate the logfile
logrotate = True

# Send the log to the syslog server
syslog = False
```

```
# setup a handler at LEVEL for a given PREFIX. An empty PREFIX indicates the root logger. This option can be r
epeated. Example: "openerp.orm:DEBUG" or "werkzeug:CRITICAL" (default: ":INFO")
log_handler = [':INFO']

# specify the level of the logging. Accepted values: info, debug_rpc, warn, test, critical, debug_sql, error,
debug, debug_rpc_answer, notset
log_level = info
```

SMTP Group – SMTP Configuration

```
# specify the SMTP email address for sending email
email_from = False

# specify the SMTP server for sending email
smtp_server = localhost

# specify the SMTP port
smtp_port = 25

# specify the SMTP server support SSL or not
smtp_ssl = False

# specify the SMTP username for sending email
smtp_user = False

# specify the SMTP password for sending email
smtp_password = False
```

Database related options

```
# specify the database name
db_name = False

# specify the database user name
db_user = openerp

# specify the database password
db_password = False

# specify the pg executable path
pg_path = None

# specify the database host
db_host = False

# specify the database port
db_port = False

# specify the the maximum number of physical connections to posgresql
db_maxconn = 64

# specify a custom database template to create a new database
db_template = template1
```

Internationalisation options

```
translate_modules = ['all']
```

Security-related options

```
# disable the ability to return the list of databases
list_db = True
```

Advanced options – Advanced options

```
# enable debug mode
debug_mode = False

# specify reference timezone for the server (e.g. Europe/Brussels")
timezone = False
```

```
# Force a limit on the maximum number of records kept in the virtual osv_memory tables. The default is False,
which means no count-based limit.
osv_memory_count_limit = False

# Force a limit on the maximum age of records kept in the virtual osv_memory tables. This is a decimal value e
xpressed in hours, and the default is 1 hour.
osv_memory_age_limit = 1.0

# Maximum number of threads processing concurrently cron jobs (default 2)
max_cron_threads = 2

# Use the unaccent function provided by the database when available.
unaccent = False
```

Multiprocessing options

```
# Specify the number of workers, 0 disable prefork mode.
workers = 0

# Maximum allowed virtual memory per worker, when reached the worker be reset after the current request (defau
lt 671088640 aka 640MB)
limit_memory_soft = 671088640

# Maximum allowed virtual memory per worker, when reached, any memory allocation will fail (default 805306368
aka 768MB)
limit_memory_hard = 805306368

# Maximum allowed CPU time per request (default 60)
limit_time_cpu = 60

# Maximum allowed Real time per request (default 120)
limit_time_real = 120

# Maximum number of request to be processed per worker (default 8192)
limit_request = 8192
```
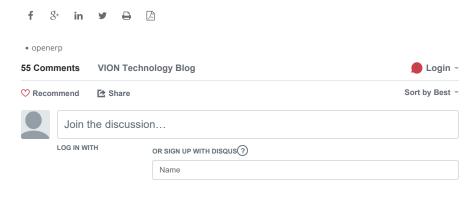
There are few more options that you can find in this file

```
vi server/openerp/tools/config.py
```

You can download the config file with all comments from here

OpenERP: http://www.openerp.com

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        Hello, please suggest me the best openerp configuration or minimum server spesification.
        I'm using openerp 7 and already deployed to server (OS : Centos, Physical Memory 12GB).
        Openerp application used for 13000 concurrent users. then openerp server used all of physical
        memory server (+11GB).
        Is it normal when openerp use 11GB Physical Memory ?
        or do you have any suggestion best configuration or other optimization ?
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```

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