

```

j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ exitnano handlers/main.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ][ 2 linhas lidas ] GNU nano 4.8 handlers/main.yml
^G Ajuda^O Gravar^W Procurar^K Cortar txt ^J Justificar ^C Pos cursor M-U Desfazer M-A Marcar txt
^X Sair^R Carregar^_ Substituir ^U Colar txt ^T Ortografia ^ Ir p/ linha M-E RefazerM-6 Copiar txt
---
[?12l[?25h[?25lModificado
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l
[?12l[?25h[?25l[?12l[?25h[?25l [?12l[?25h[?25ln[?12l[?25h[?25la[?12l[?25h[?25lm[?12l[?25h[?25le[?12l[?25h[?25l[?12l[?
25h[?25l [?12l[?25h[?25lR[?12l[?25h[?25le[?12l[?25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25li[?12l[?25h[?25lc[?12l[?25h[?
25li[?12l[?25h[?25la[?12l[?25h[?25lr[?12l[?25h[?25l [?12l[?25h[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?
12l[?25h[?25lh[?12l[?25h[?25le[?12l[?25h[?25l2[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25ls[?12l[?25h[?25le[?12l[?25h[?25lr[?12l[?25h[?25lv[?12l[?25h[?25li[?12l[?
25h[?25lc[?12l[?25h[?25le[?12l[?25h[?25l[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25ln[?12l[?25h[?25la[?12l[?25h[?25lm[?12l[?
25h[?25le[?12l[?25h[?25l[?12l[?25h[?25l [?12l[?25h[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?12l[?25h[?
25lh[?12l[?25h[?25le[?12l[?25h[?25l2[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25ls[?12l[?25h[?25lt[?12l[?25h[?25la[?12l[?
25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25l[?12l[?25h[?25lr[?12l[?25h[?25le[?12l[?25h[?25ls[?12l[?25h[?
25lt[?12l[?25h[?25la[?12l[?25h[?25lr[?12l[?25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25ld[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25lb[?12l[?25h[?25le[?12l[?25h[?25lc[?12l[?25h[?25lo[?12l[?25h[?25lm[?12l[?
25h[?25le[?12l[?25h[?25l[?12l[?25h[?25l [?12l[?25h[?25lt[?12l[?25h[?25lr[?12l[?25h[?25lu[?12l[?25h[?25le[?12l[?25h[?25l
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l M-D Formato DOSM-A AnexarB SeguranÃaC Cancelar M-M Formato
MacM-P Prepor^T P/ ficheiros
Nome do ficheiro onde escrever: handlers/main.yml [?12l[?25h[?25l [ A escrever... ][ 6 linhas escritas ]^O Gravar^W
Procurar^K Cortar txt ^J Justificar ^C Pos cursorU Desfazer M-A Marcar txtX Sair ^R Carregar^_ Substituir ^U Colar txt
^T Ortografia ^ Ir p/ linha M-E Refazer M-6 Copiar txt
[?12l[?25h[?25l[?12l[?25h[?1049l
[?1l>[?2004l]j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ molecule lint
INFO default scenario test matrix: dependency, lint
INFO Performing prurun...
INFO Using .cache/roles/nunomourinho.leantime_ansible symlink to current repository in order to enable Ansible to find
the role using its expected full name.
INFO Added ANSIBLE_ROLES_PATH=~/.ansible/roles:/usr/share/ansible/roles:/etc/ansible/roles:./.cache/roles
INFO Running default > dependency
WARNING Skipping, missing the requirements file.
WARNING Skipping, missing the requirements file.
INFO Running default > lint
COMMAND: set -e
yamllint .
ansible-lint

```

```

Loading custom .yamllint config file, this extends our internal yamllint config.
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ nano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ][ 209 linhas lidas ] GNU nano 4.8 tasks/tasks.yml
^G Ajuda^O Gravar^W Procurar^K Cortar txt ^J Justificar ^C Pos cursor M-U Desfazer M-A Marcar txt
^X Sair^R Carregar^_ Substituir ^U Colar txt ^T Ortografia ^ Ir p/ linha M-E RefazerM-6 Copiar txt
---- name: Atualiza a cache (equivalente a apt update)apt:update_cache: truecache_valid_time: 3600- name: "Atualiza o
sistema operativo"apt:upgrade: safe- name: "Instalar as dependencias necessÃria ao programa leantime"apt:pkg:- mc-
screen- git- apache2- mysql-server- php- php-mysql- php-ldap- php-cli- php-soap- php-json- graphviz- php-xml- php-gd- php-
zip- libapache2-mod-php- php-dev- libmbedtls-dev- gcc- make- autoconf- libc-dev
[?12l[?25h[?25l- autoconf- libc-dev - pkg-config- pwgen- curl- unzip - zip - php-mbstring- expect- net-tools - python3-
mysqldb - python3-apt- python3-pycurl
# Fonte de inspiraÃÃo: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/service_module.html- name:
"Instala o serviÃo apache2 no arranque do sistema"service:name: apache2state: startedenabled: true
# Fonte: https://www.mydailytutorials.com/using-ansible-find-module-search-filesfolder- name: "Rotina Auxiliar: Procura o
caminho do ficheiro php.ini do servidor apache2"find:paths: /etcpatterns: "php.ini"recurse: trueregister: caminho_php_ini
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/lineinfile_module.html- name: "Ativa vÃrias
opÃÃes no ficheiro php.ini, utilizando o mÃdulo lineinfile."ansible.builtin.lineinfile:path: "{ {
caminho_php_ini.files[0].path } }"regex: "{ { item.regex } }"line: "{ { item.line } }"
[?12l[?25h[?25lregex: "{ { item.regex } }"line: "{ { item.line } }"with_items:regex: "^file_uploads" line: "file_uploads =
1"regex: "^upload_max_filesize" line: "upload_max_filesize = 1G"regex: "^max_file_uploads" line: "max_file_uploads =
20"regex: "^post_max_size" line: "post_max_size = 2G"regex: "^memory_limit" line: "memory_limit = 2G"- regex:
"^max_input_time" line: "max_input_time = 3600"
# Fonte: https://docs.ansible.com/ansible/2.7/modules/file_module.html- name: Cria a directoria temporÃria leantime e a
directoriar de apache leantimefile:path: "{ { item.path } }"state: directory mode: 0755 owner: www-data group: www-
datawith_items:- path: "/tmp/leantime"- path: "/var/www/leantime"
# Fonte: Ansible for DevOps - Server and configuration management for humans de Jeff Geerling, pÃgina 98
- name: "Cria a base de dados de mysql para o leantime" mysql_db: "db=leantime_database state=present"
- name: "Cria o utilizador para a base de dados leantime"no_log: truemysql_user:
[?12l[?25h[?25lno_log: truemysql_user: name: "{ { login_leantime } }"password: "{ { password_leantime } }"priv:
"leantime_database.*:ALL"host: localhoststate: present
- name: "Cria o utilizador para a base de dados leantime"no_log: truemysql_user:name: "{ { login_leantime } }"password: "
{ { password_leantime } }"priv: "leantime_database.*:ALL"host: localhoststate: present
"Faz o download do software leantime a partir do repositÃrio git"get_url:url:
https://github.com/Leantime/leantime/releases/download/{ { versao_leantime } }/Leantime-{ { versao_leantime } }.zipdest:

```

[illegible]

```
Mansible.builtin.template:[?12l[?25h[?25l78
M- name: Copia o template do site para a pÃ¡sta /etc/apache2/sites-available[?12l[?25h[?25l78
M # Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/template_module.html[?12l[?25h[?25l[?12l[?
25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25lse[?12l[?25h[?25l
[?12l[?25h[?25l
[?12l[?25h[?25l78
M[?12l[?25h[?25l78Mline: 'dbPassword="{ { password_leantime } }"'[?12l[?25h[?25l78
M- regexp: 'dbPassword=""'[?12l[?25h[?25l78
Mline: 'dbDatabase=""leantime_database""[?12l[?25h[?25l78
line: 'dbUser="{ { login_leantime } }"'- regexp: 'dbDatabase=""'[?12l[?25h[?25l78
M- regexp: 'dbUser=""'[?12l[?25h[?25l78
Mwith_items:[?12l[?25h[?25l78
Mreplace: "{ { item.line } }"[?12l[?25h[?25l78
Mregexp: "{ { item.regexp } }"[?12l[?25h[?25l78
Mpath: /var/www/leantime/config/configuration.php[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?
25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25ld[?12l[?25h[?
25l[?12l[?25h[?25lse[?12l[?25h[?25l
[?12l[?25h[?25l78Mnotify: Reiniciar apache2
[?12l[?25h[?25l
owner: root[?12l[?25h[?25l M-D Formato DOSM-A AnexarB SeguranÃ§aC Cancelar M-M Formato MacM-P Prepor^T P/
ficheiros
Nome do ficheiro onde escrever: tasks/tasks.yml [?12l[?25h[?25l [ A escrever... ] [ 213 linhas escritas ] ^O Gravar ^W
Procurar ^K Cortar txt ^J Justificar ^C Pos cursorU Desfazer M-A Marcar txtX Sair ^R Carregar ^\ Substituir ^U Colar txt
^T Ortografia ^ Ir p/ linha M-E Refazer M-6 Copiar txt
[?12l[?25h[?25l/etc/apache2/sites-available/leantime.confowner: rootgroup: www-data mode: '0777'
- name: "Apaga o link 000-default.conf na pasta sites-enabled do apache2"ansible.builtin.file:path: /etc/apache2/sites-
enabled/000-default.confstate: absentnotify: Reiniciar apache2
- name: "Activa o mÃ³dulo mod_rewrite no apache" apache2_module: name: rewritesstate: presentnotify: Reiniciar apache2
# Tarefa: Criar o administrador da aplicaÃ§Ã£o leantime- name: "Cria o administrador da aplicaÃ§Ã£o leantime"uri: url:
http://localhost/installmethod: POST body format: form-urlencoded body: email: "{ { login_website } }" password: "{ {
password_website } }" firstname: "{ { first_name_website } }" lastname: "{ { last_name_website } }" company: "{ {
company_website } }"install: Install status_code: 200 register: login
[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l
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# [?12l[?25h[?25l [?12l[?25h[?25lF[?12l[?25h[?25lo[?12l[?25h[?25ln[?12l[?25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25l.[?12l[?
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25li[?12l[?25h[?25lb[?12l[?25h[?25l.[?12l[?25h[?25le[?12l[?25h[?25li[?12l[?25h[?25lo[?12l[?25h[?25ln[?12l[?25h[?
25ls[?12l[?25h[?25l/[?12l[?25h[?25la[?12l[?25h[?25ln[?12l[?25h[?25ls[?12l[?25h[?25li[?12l[?25h[?25lb[?12l[?25h[?25ll[?
12l[?25h[?25le[?12l[?25h[?25l/[?12l[?25h[?25lb[?12l[?25h[?25lu[?12l[?25h[?25li[?12l[?25h[?25ll[?12l[?25h[?25lt[?12l[?
25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25l/[?12l[?25h[?25lm[?12l[?25h[?25le[?12l[?25h[?25lt[?12l[?25h[?25la[?12l[?25h[?
25l [?12l[?25h[?25lm[?12l[?25h[?25lo[?12l[?25h[?25ld[?12l[?25h[?25lu[?12l[?25h[?25ll[?12l[?25h[?25le[?12l[?25h[?25l.[?
12l[?25h[?25lh[?12l[?25h[?25lt[?12l[?25h[?25lm[?12l[?25h[?25ll[?12l[?25h[?25l#[?12l[?25h[?25le[?12l[?25h[?25lx[?12l[?
25h[?25la[?12l[?25h[?25lm[?12l[?25h[?25lp[?12l[?25h[?25ll[?12l[?25h[?25le[?12l[?25h[?25ls[?12l[?25h[?25l78
M[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l
# [?12l[?25h[?25l [?12l[?25h[?25lF[?12l[?25h[?25lo[?12l[?25h[?25lr[?12l[?25h[?25lÃ§[?12l[?25h[?25la[?12l[?25h[?25l [?
12l[?25h[?25lo[?12l[?25h[?25l [?12l[?25h[?25lr[?12l[?25h[?25le[?12l[?25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25li[?12l[?
25h[?25lc[?12l[?25h[?25li[?12l[?25h[?25lo[?12l[?25h[?25l [?12l[?25h[?25ld[?12l[?25h[?25lo[?12l[?25h[?25l [?12l[?25h[?
25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?12l[?25h[?25lh[?12l[?25h[?25le[?12l[?25h[?25l2[?12l[?25h[?25l78
M[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25ln[?12l[?
25h[?25la[?12l[?25h[?25lm[?12l[?25h[?25le[?12l[?25h[?25l.[?12l[?25h[?25l [?12l[?25h[?25lO[?12l[?25h[?25lb[?12l[?25h[?
25lr[?12l[?25h[?25li[?12l[?25h[?25lg[?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25le[?
12l[?25h[?25lx[?12l[?25h[?25le[?12l[?25h[?25lc[?12l[?25h[?25lu[?12l[?25h[?25lÃ§[?12l[?25h[?25lÃ¶[?12l[?25h[?25lo[?
12l[?25h[?25l [?12l[?25h[?25ld[?12l[?25h[?25lo[?12l[?25h[?25ls[?12l[?25h[?25l [?12l[?25h[?25lh[?12l[?25h[?25la[?12l[?
25h[?25ln[?12l[?25h[?25ld[?12l[?25h[?25ll[?12l[?25h[?25le[?12l[?25h[?25lr[?12l[?25h[?25ls[?12l[?25h[?25l78
M[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25lm[?12l[?
25h[?25le[?12l[?25h[?25lt[?12l[?25h[?25la[?12l[?25h[?25l.[?12l[?25h[?25l [?12l[?25h[?25lf[?12l[?25h[?25ll[?12l[?25h[?
25lu[?12l[?25h[?25ls[?12l[?25h[?25lh[?12l[?25h[?25l [?12l[?25h[?25lh[?12l[?25h[?25la[?12l
```

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[?12l[?25h[?25l
[?12l[?25h[?1049l
[?1l>[?2004l]0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ molecule lint
INFO default scenario test matrix: dependency, lint
INFO Performing prerun...
INFO Using .cache/roles/nunomourinho.leantime_ansible symlink to current repository in order to enable Ansible to find
the role using its expected full name.
INFO Added ANSIBLE_ROLES_PATH=~/.ansible/roles:/usr/share/ansible/roles:/etc/ansible/roles:./.cache/roles
INFO Running default > dependency
WARNING Skipping, missing the requirements file.
WARNING Skipping, missing the requirements file.
INFO Running default > lint
COMMAND: set -e
yamllint .
ansible-lint
```

```
Loading custom .yamllint config file, this extends our internal yamllint config.
]0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ molecule converge
INFO default scenario test matrix: dependency, create, prepare, converge
INFO Performing prerun...
INFO Using .cache/roles/nunomourinho.leantime_ansible symlink to current repository in order to enable Ansible to find
the role using its expected full name.
INFO Added ANSIBLE_ROLES_PATH=~/.ansible/roles:/usr/share/ansible/roles:/etc/ansible/roles:./.cache/roles
INFO Running default > dependency
WARNING Skipping, missing the requirements file.
WARNING Skipping, missing the requirements file.
INFO Running default > create
WARNING Skipping, instances already created.
INFO Running default > prepare
WARNING Skipping, instances already prepared.
INFO Running default > converge
```

```
PLAY [Converge]
*****
```

```
TASK [Gathering Facts]
*****
ok: [ubuntu-20.04]
```

```
TASK [Include leantime_ansible]
*****
```

```
TASK [leantime_ansible : Atualiza a cache (equivalente a apt update)]
*****
ok: [ubuntu-20.04]
```

```
TASK [leantime_ansible : Atualiza o sistema operativo]
*****
ok: [ubuntu-20.04]
```

```
TASK [leantime_ansible : Instalar as dependencias necessÃ¡ria ao programa leantime]
*****
ok: [ubuntu-20.04]
```

```
TASK [leantime_ansible : Instala o serviÃ§o apache2 no arranque do sistema]
*****
^C
```

```
Aborted!
]0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ molecule destroy
INFO default scenario test matrix: dependency, cleanup, destroy
INFO Performing prerun...
INFO Using .cache/roles/nunomourinho.leantime_ansible symlink to current repository in order to enable Ansible to find
the role using its expected full name.
INFO Added ANSIBLE_ROLES_PATH=~/.ansible/roles:/usr/share/ansible/roles:/etc/ansible/roles:./.cache/roles
INFO Running default > dependency
WARNING Skipping, missing the requirements file.
WARNING Skipping, missing the requirements file.
INFO Running default > cleanup
WARNING Skipping, cleanup playbook not configured.
INFO Running default > destroy
```

```
PLAY [Destroy]
*****
```

```
TASK [Destroy molecule instance(s)]
*****
changed: [localhost] => (item=ubuntu-20.04)
```

TASK [Populate instance config]

\*\*\*\*\*

ok: [localhost]

TASK [Dump instance config]

\*\*\*\*\*

changed: [localhost]

PLAY RECAP

\*\*\*\*\*

localhost : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Pruning extra files from scenario ephemeral directory

j0;admlcal@devOps: ~/leantime\_ansibleadmlcal@devOps:~/leantime\_ansible\$ molecule test

INFO default scenario test matrix: dependency, lint, cleanup, destroy, syntax, create, prepare, converge, idempotence, verify, cleanup, destroy

INFO Performing prerun...

INFO Using .cache/roles/nunomourinho.leantime\_ansible symlink to current repository in order to enable Ansible to find the role using its expected full name.

INFO Added ANSIBLE\_ROLES\_PATH=~/.ansible/roles:/usr/share/ansible/roles:/etc/ansible/roles:./.cache/roles

INFO Running default > dependency

WARNING Skipping, missing the requirements file.

WARNING Skipping, missing the requirements file.

INFO Running default > lint

COMMAND: set -e

yamllint .

ansible-lint

Loading custom .yamllint config file, this extends our internal yamllint config.

INFO Running default > cleanup

WARNING Skipping, cleanup playbook not configured.

INFO Running default > destroy

PLAY [Destroy]

\*\*\*\*\*

TASK [Destroy molecule instance(s)]

\*\*\*\*\*

ok: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config]

\*\*\*\*\*

ok: [localhost]

TASK [Dump instance config]

\*\*\*\*\*

skipping: [localhost]

PLAY RECAP

\*\*\*\*\*

localhost : ok=2 changed=0 unreachable=0 failed=0 skipped=1 rescued=0 ignored=0

INFO Running default > syntax

playbook: /home/admlcal/leantime\_ansible/molecule/default/converge.yml

INFO Running default > create

PLAY [Create]

\*\*\*\*\*

TASK [Create molecule instance(s)]

\*\*\*\*\*

changed: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config dict]

\*\*\*\*\*

ok: [localhost] => (item={'changed': True, 'log': '/home/admlcal/.cache/molecule/leantime\_ansible/default/vagrant-ubuntu-20.04.out', 'Host': 'ubuntu-20.04', 'HostName': '127.0.0.1', 'User': 'vagrant', 'Port': '2222', 'UserKnownHostsFile': '/dev/null', 'StrictHostKeyChecking': 'no', 'PasswordAuthentication': 'no', 'IdentityFile': '/home/admlcal/.cache/molecule/leantime\_ansible/default/vagrant/machines/ubuntu-20.04/virtualbox/private\_key', 'IdentitiesOnly': 'yes', 'LogLevel': 'FATAL', 'invocation': {'module\_args': {'instance\_name': 'ubuntu-20.04', 'instance\_interfaces': [{'auto\_config': True, 'network\_name': 'private\_network', 'type': 'dhcp'}], 'instance\_raw\_config\_args': ['vm.network', 'forwarded\_port', 'guest: 80, host: 8080'], 'platform\_box': 'ubuntu/focal64', 'provider\_memory': 2048, 'provider\_cpus': 2, 'state': 'up', 'config\_options': {}, 'provider\_name': 'virtualbox', 'provider\_options': {}, 'provision': False, 'force\_stop': False, 'platform\_box\_version': None, 'platform\_box\_url': None, 'provider\_override\_args': None, 'provider\_raw\_config\_args': None, 'workdir': None}}, 'failed': False, 'item': {'box': 'ubuntu/focal64', 'cpus': 2,



'instance\_raw\_config\_args': ['vm.network 'forwarded\_port', guest: 80, host: 8080"], 'interfaces': [{ 'auto\_config': True, 'network\_name': 'private\_network', 'type': 'dhcp'}], 'memory': 2048, 'name': 'ubuntu-20.04'}, 'ansible\_loop\_var': 'item'})

TASK [Convert instance config dict to a list]  
\*\*\*\*\*

ok: [localhost]

TASK [Dump instance config]  
\*\*\*\*\*

changed: [localhost]

PLAY RECAP  
\*\*\*\*\*

localhost : ok=4 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Running default > prepare

PLAY [Prepare]  
\*\*\*\*\*

TASK [Bootstrap python for Ansible]  
\*\*\*\*\*

ok: [ubuntu-20.04]

PLAY RECAP  
\*\*\*\*\*

ubuntu-20.04 : ok=1 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Running default > converge

PLAY [Converge]  
\*\*\*\*\*

TASK [Gathering Facts]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [Include leantime ansible]  
\*\*\*\*\*

TASK [leantime ansible : Atualiza a cache (equivalente a apt update)]  
\*\*\*\*\*

changed: [ubuntu-20.04]

TASK [leantime ansible : Atualiza o sistema operativo]  
\*\*\*\*\*

changed: [ubuntu-20.04]

TASK [leantime ansible : Instalar as dependencias necess ria ao programa leantime]  
\*\*\*\*\*

changed: [ubuntu-20.04]

TASK [leantime ansible : Instala o servi  o apache2 no arranque do sistema]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime ansible : Rotina Auxiliar: Procura o caminho do ficheiro php.ini do servidor apache2]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime ansible : Ativa v rias op  es no ficheiro php.ini, utilizando o m dulo lineinfile.]  
\*\*\*\*\*

changed: [ubuntu-20.04] => (item={'regex': '^file\_uploads', 'line': 'file\_uploads = 1'})  
changed: [ubuntu-20.04] => (item={'regex': '^upload\_max\_filesize', 'line': 'upload\_max\_filesize = 1G'})  
ok: [ubuntu-20.04] => (item={'regex': '^max\_file\_uploads', 'line': 'max\_file\_uploads = 20'})  
changed: [ubuntu-20.04] => (item={'regex': '^post\_max\_size', 'line': 'post\_max\_size = 2G'})  
changed: [ubuntu-20.04] => (item={'regex': '^memory\_limit', 'line': 'memory\_limit = 2G'})  
changed: [ubuntu-20.04] => (item={'regex': '^max\_input\_time', 'line': 'max\_input\_time = 3600'})

TASK [leantime ansible : Cria a directoria tempor ria leantime e a directoria de apache leantime]  
\*\*\*\*\*

changed: [ubuntu-20.04] => (item={'path': '/tmp/leantime'})  
changed: [ubuntu-20.04] => (item={'path': '/var/www/leantime'})

TASK [leantime ansible : Cria a base de dados de mysql para o leantime]  
\*\*\*\*\*

changed: [ubuntu-20.04]

```
TASK [leantime_ansible : Cria o utilizador para a base de dados leantime]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria o utilizador para a base de dados leantime]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Faz o download do software leantime a partir do repositório git]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Descomprime o software leantime]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Copia o ficheiro de configuração configuration.sample.php]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Altera as variáveis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o módulo replace.] ***
changed: [ubuntu-20.04] => (item={'regexp': 'dbUser=""', 'line': 'dbUser="leantimeDBAdmin"})
changed: [ubuntu-20.04] => (item={'regexp': 'dbDatabase=""', 'line': 'dbDatabase="leantime_database"})
changed: [ubuntu-20.04] => (item={'regexp': 'dbPassword=""', 'line': 'dbPassword="#S3gr3d0S3cr3t0#"})

TASK [leantime_ansible : Copia o template do site para a pasta /etc/apache2/sites-available]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria um link simbólico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Muda as permissões do ficheiro leantime.conf na pasta /etc/apache/sites-available]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Apaga o link 000-default.conf na pasta sites-enabled do apache2]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Activa o módulo mod_rewrite no apache]
*****
changed: [ubuntu-20.04]

RUNNING HANDLER [leantime_ansible : Reiniciar apache2]
*****
changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria o administrador da aplicação leantime]
*****
ok: [ubuntu-20.04]

PLAY RECAP
*****
ubuntu-20.04 : ok=22 changed=18 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Running default > idempotence

PLAY [Converge]
*****

TASK [Gathering Facts]
*****
ok: [ubuntu-20.04]

TASK [Include leantime_ansible]
*****

TASK [leantime_ansible : Atualiza a cache (equivalente a apt update)]
*****
ok: [ubuntu-20.04]

TASK [leantime_ansible : Atualiza o sistema operativo]
*****
```

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Instalar as dependencias necess ria ao programa leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Instala o servi  o apache2 no arranque do sistema]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Rotina Auxiliar: Procura o caminho do ficheiro php.ini do servidor apache2]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Ativa v rias op  es no ficheiro php.ini, utilizando o m dulo lineinfile.]  
\*\*\*\*\*

ok: [ubuntu-20.04] => (item={'regex': '^file\_uploads', 'line': 'file\_uploads = 1'})  
ok: [ubuntu-20.04] => (item={'regex': '^upload\_max\_filesize', 'line': 'upload\_max\_filesize = 1G'})  
ok: [ubuntu-20.04] => (item={'regex': '^max\_file\_uploads', 'line': 'max\_file\_uploads = 20'})  
ok: [ubuntu-20.04] => (item={'regex': '^post\_max\_size', 'line': 'post\_max\_size = 2G'})  
ok: [ubuntu-20.04] => (item={'regex': '^memory\_limit', 'line': 'memory\_limit = 2G'})  
ok: [ubuntu-20.04] => (item={'regex': '^max\_input\_time', 'line': 'max\_input\_time = 3600'})

TASK [leantime\_ansible : Cria a directoria tempor ria leantime e a directoria de apache leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04] => (item={'path': '/tmp/leantime'})  
ok: [ubuntu-20.04] => (item={'path': '/var/www/leantime'})

TASK [leantime\_ansible : Cria a base de dados de mysql para o leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Cria o utilizador para a base de dados leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Cria o utilizador para a base de dados leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Faz o download do software leantime a partir do reposit rio git]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Descomprime o software leantime]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Copia o ficheiro de configura  o configuration.sample.php]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Altera as vari veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o m dulo replace.] \*\*\*

ok: [ubuntu-20.04] => (item={'regex': 'dbUser=""', 'line': 'dbUser="leantimeDBadmin"})  
ok: [ubuntu-20.04] => (item={'regex': 'dbDatabase=""', 'line': 'dbDatabase="leantime\_database"})  
ok: [ubuntu-20.04] => (item={'regex': 'dbPassword=""', 'line': 'dbPassword="#S3gr3d0S3cr3t0#"})

TASK [leantime\_ansible : Copia o template do site para a p sta /etc/apache2/sites-available]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Cria um link simb lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Muda as permiss es do ficheiro leantime.conf na pasta /etc/apache/sites-available]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Apaga o link 000-default.conf na pasta sites-enabled do apache2]  
\*\*\*\*\*

ok: [ubuntu-20.04]

TASK [leantime\_ansible : Activa o m dulo mod\_rewrite no apache]  
\*\*\*\*\*

ok: [ubuntu-20.04]



```
TASK [leantime ansible : Cria o administrador da aplica  o leantime]
*****
ok: [ubuntu-20.04]

PLAY RECAP
*****
ubuntu-20.04 : ok=21 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Idempotence completed successfully.
INFO Running default > verify
INFO Running Ansible Verifier

PLAY [Infraestrutura conduzida por testes]
*****

TASK [Vari  veis]
*****
ok: [ubuntu-20.04]

TASK [Simula  o: Atualizar a cache do sistema]
*****
ok: [ubuntu-20.04]

TASK [teste: a cache encontra-se actualizada?]
*****
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: A cache est   atualizada"
}

TASK [Atualizar o sistema operativo (equivalente a apt upgrade)]
*****
ok: [ubuntu-20.04]

TASK [teste: o sistema operativo encontra-se atualizado?]
*****
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: O sistema operativo est   atualizado"
}

TASK [Teste: a cache encontra-se atualizada?]
*****
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: A cache est   atualizada"
}

TASK [Simula  o: testa se as aplica  es dependencia do software leantime se encontram instaladas]
*****
ok: [ubuntu-20.04]

TASK [Teste: as dependencias encontra-se instaladas?]
*****
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: As dependencias estavam instaladas"
}

TASK [Simula  o: Testar se o servi  o apache2 se encontra instalado, iniciado e ativo no arranque]
*****
ok: [ubuntu-20.04]

TASK [Teste: O servi  o apache2 encontra-se ativo no arranque no sistema, e est   iniciado?]
*****
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: O servi  o apache2 est   correctamente instalado e inicia com o arranque do sistema"
}

TASK [Rotina Auxiliar> Procura o caminho do ficheiro php.ini do servidor apache2]
*****
ok: [ubuntu-20.04]

TASK [Simula  o: Ativa a op  o file_uploads no ficheiro php.ini, utilizando o m  dulo lineinfile.]
*****
```

TASK [Teste: As linnas do php.ini encontram-se alteradas ?]  
\*\*\*\*\*

TASK [Simulacão: Obtenha informações sobre a pasta /var/www/leantime]  
\*\*\*\*\*

TASK [Teste: A pasta /var/www/leantime existe e tem as permissões certas?]

TASK [SimulaÃ§Ã£o: Verifica se Ã© necessÃ¡rio criar a base de dados leantime\_database]  
\*\*\*\*\*

TASK [Teste: A base de dados leantime\_database existe ?]

TASK [Simulação e Teste: Verifica se o endereço git para a versão de leantime existe]  
\*\*\*\*\*

TASK [SimulaÃ§Ã£o: Obtem informaÃ§Ã£o sobre o ficheiro /var/www/leantime/config/configuration.php]  
\*\*\*\*\*

TASK [Teste: O ficheiro /var/www/leantime/config/configuration.php existe e tem as permissões certas?]  
\*\*\*\*\*

TASK [Simulação: Testa se o dbuser foi alterado no ficheiro configuration.php utilizando o módulo replace.]

TASK [Teste: O dbUser foi alterado?]

TASK [Simulação: Testa se o dbDatabase foi alterado no ficheiro configuration.php utilizando o método replace.]  
\*\*\*\*\*

TASK [Teste: a variável dbDatabase foi alterada?]

TASK [Simulação: Testa se o dbPassword foi alterado no ficheiro configuration.php utilizando o módulo replace.]

\*\*\*\*\*

ok: [ubuntu-20.04]

```
TASK [Teste: O dbPassword foi alterado?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "SUCESSO: O dbPassword foi alterado no ficheiro configuration.php"
}
```

```
TASK [Simula      : Obtem informa       sobre o ficheiro /etc/apache2/sites-available/leantime.conf]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: O ficheiro /etc/apache2/sites-available/leantime.conf existe e tem as permiss  es certas?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "SUCESSO: Permiss  es correctas"
}
```

```
TASK [Simula      : Obtem informa       sobre o ficheiro /etc/apache2/sites-enabled/leantime.conf]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: O ficheiro /etc/apache2/sites-enabled/leantime.conf existe e tem as permiss  es certas?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "SUCESSO: Permiss  es correctas"
}
```

```
TASK [Simula      : Obtem informa       sobre o ficheiro /etc/apache2/sites-enabled/000-default.conf]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: O ficheiro /etc/apache2/sites-enabled/000-default.conf N  O existe?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "All assertions passed"
}
```

```
TASK [Simula      : Activa o m  dulo mod_rewrite no apache]
*****
ok: [ubuntu-20.04]
```

```
TASK [Simula      : Activa o m  dulo mod_rewrite no apache]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: o mod_rewrite do apache encontra-se ativo?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "SUCESSO: mod_rewrite encontra-se instalado e ativo"
}
```

```
TASK [Simula      : Tenta fazer login na aplica       com o utilizador criado]
*****
[WARNING]: The value True (type bool) in a string field was converted to 'True' (type string). If this does not
look like what you
expect, quote the entire value to ensure it does not change.
ok: [ubuntu-20.04]
```

```
TASK [Simula      : Obtem a p  gina showMyCalendar para testar uma p  gina com o login efetuado com sucesso]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: Existe o texto editCompanySettings na p  gina?]
*****
ok: [ubuntu-20.04] => {
  "changed": false,
  "msg": "SUCESSO: Login com sucesso. Utilizador e palavra passe iniciais correctamente criados"
}
```

INFO Verifier completed successfully.  
INFO Running default > cleanup  
WARNING Skipping, cleanup playbook not configured.  
INFO Running default > destroy

PLAY [Destroy]  
\*\*\*\*\*

TASK [Destroy molecule instance(s)]  
\*\*\*\*\*

changed: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config]  
\*\*\*\*\*

ok: [localhost]

TASK [Dump instance config]  
\*\*\*\*\*

changed: [localhost]

PLAY RECAP  
\*\*\*\*\*

localhost : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO Pruning extra files from scenario ephemeral directory  
j0;admlocal@devOps: ~/leantime\_ansibleadmlocal@devOps:~/leantime\_ansible\$ exit  
exit