

```
j0:admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ nano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ]
[ 173 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 necess ria 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- libmcrypt-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 inspira  o: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/service\_module.html
- name: "Instala o servi  o 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 v rias op  es no ficheiro php.ini, utilizando o m dulo 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 tempor ria leantime e a directoria 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, p gina 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"mysql user:namlogin_leantime }}"
[?12l[?25h[?25lmysql user:namlogin_leantime }}" password: "{{ password_leantime }}"priv:
"leantime_database.*:ALL"host: localhoststate: present
- name: "Faz o download do software leantime a partir do reposit rio git"get_url:url:
https://github.com/Leantime/leantime/releases/download/{{ versao\_leantime }}/Leantime-{{ versao\_leantime }}.zipdest:
/tmp/leantimemode: 0755
# O ficheiro Leantime-versao.zip necessita de ser descomprimido
- name: Descomprime o software leantimeunarchive: src: "/tmp/leantime/Leantime-{{ versao_leantime }}.zip" dest:
"/var/www/leantime" owner: www-datagroup: www-datamode: 0755remote_src: true
# Ap s a descompress o, se o ficheiro configuration.php n o existir, este necessita de ser
# criado a partir do ficheiro configuration.sample.php
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/copy\_module.html
- name: Copia o ficheiro de configura  o configuration.sample.phpansible.builtin.copy: src:
/var/www/leantime/config/configuration.sample.php dest: /var/www/leantime/config/configuration.php owner: www-
datagroup: www-data mode: '0755' remote_src: trueforce: false
[?12l[?25h[?25l remote_src: trueforce: false
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/replace\_module.html
- name: Altera as vari veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o m dulo
replace.ansible.builtin.replace:path: /var/www/leantime/config/configuration.php regex: "{{ item.regex }}" replace: "{{
item.line }}"with_items:- regex: 'dbUser=""' line: 'dbUser="{{ login_leantime }}"'- regex: 'dbDatabase=""' line:
'dbDatabase="leantime_database"'- regex: 'dbPassword=""' line: 'dbPassword="{{ password_leantime }}"'
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/template\_module.html
- name: Copia o template do site para a p sta /etc/apache2/sites-available/leantime.templateansible.builtin.template:src:
leantime.template.j2dest: /etc/apache2/sites-available/leantime.confowner: root group: www-data mode: 0644 force: false
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file\_module.html
- name: "Cria um link simb lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled"ansible.builtin.file:src:
/etc/apache2/sites-available/leantime.confdest: /etc/apache2/sites-enabled/leantime.confstate: link
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file\_module.html
```

[?12][?25h[?25l # Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html

```
- name: "Cria um link simbólico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled" ansible.builtin.file: path: /etc/apache2/sites-available/leantime.conf owner: root group: www-datamode: '0777'
```

[illegible]

[?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[?25l"[?12l[?25h[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lg[?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25lo[?12l[?25h[?25l [?12l[?25h[?25li[?12l[?25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25lk[?12l[?25h[?25l [?12l[?25h[?25li0[?12l[?25h[?25li0[?12l[?25h[?25li0[?12l[?25h[?25li[?12l[?25h[?25li[?12l[?25h[?25ld[?12l[?25h[?25le[?12l[?25h[?25lf[?12l[?25h[?25la[?12l[?25h[?25lu[?12l[?25h[?25li[?12l[?25h[?25lt[?12l[?25h[?25l.[?12l[?25h[?25lc[?12l[?25h[?25lo[?12l[?25h[?25ln[?12l[?25h[?25lf[?12l[?25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25ls[?12l[?25h[?25lt[?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25ls[?12l[?25h[?25li[?12l[?25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25ls[?12l[?25h[?25l-?12l[?25h[?25le[?12l[?25h[?25ln[?12l[?25h[?25li[?12l[?25h[?25lb[?12l[?25h[?25li[?12l[?25h[?25le[?12l[?25h[?25ld[?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[?25li2[?12l[?25h[?25l"[?12l[?25h[?25l

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[?12l[?25h[?25l [?12l[?25h[?25l [?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[?25l [?12l[?25h[?25lab[?12l[?25h[?25ls[?12l[?25h[?25le[?12l[?25h[?25ln[?12l[?25h[?25lt[?12l[?25h[?25l

[?12l[?25h[?25l M-D

Formato DOSM-A

Anexar B

SeguranÃ§aC

Cancelar M-M

Formato I

Prepor^T

P/ ficheiros

Nome do ficheiro onde escrever: tasks/tasks.yml

[?12l[?25h[?25l [A escrever...

[178 linhas escritas]

 $\hat{0}$ Gravar^WProcurar ^K

Cortar txt ^J

Justificar ^C

Pos cursorU

Desfazer M-A

Marcar txtX

Sair \hat{R}

Carregar

Substituer \hat{U}

Colar txt ^T

Ortografia

lr p/ linha M

Refazer M...

Copiar txt
[21.01][22.5] [22.5][21.01][22.5] [21.010]

[?121][?25h][?25i][?121][?25h][?1049]

[?11>
INFO

INFO
default economic test matrix: dependency, lint

default
INFO

INFO

INFO

Using `.cache/roles/nunomourinho.leantime_` symlink to current repository in order to enable Ansible to find the role using its expected full name

using
UNEO

Added **ANSIBLE_ROLES_PATH**

Added ANSIBLE

roles

- /usr/share/ansible/

- /usr/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
```

```
./tasks/tasks.yml
175:3 error syntax error: expected '<document start>', but found '<block sequence start>' (syntax)
```

CRITICAL
Lint failed with error code **1**

```
j0;admlcal@devOps: ~/leantime ansibleadmlcal@devOps:~/leantime_ansible$ molecule lintnano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ]
[ 178 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^V
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 necess ria 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- libmcrypt-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 inspira  o: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/service_module.html
- name: "Instala o servi  o 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: truregister: caminho_php_ini
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/lineinfile_module.html
- name: "Ativa v rias op  es no ficheiro php.ini, utilizando o m dulo lineinfile."ansible.builtin.lineinfile:path: "{{
caminho_php_ini.files[0].path }}"regexp: "{{ item.regexp }}"line: "{{ item.line }}"
[?12l[?25h[?25lregexp: "{{ item.regexp }}"line: "{{ item.line }}"with_items:regexp: "^file_uploads" line: "file_uploads =
1"regexp: "^upload_max_filesize" line: "upload_max_filesize = 1G"regexp: "^max_file_uploads" line: "max_file_uploads =
20"regexp: "^post_max_size" line: "post_max_size = 2G"regexp: "^memory_limit" line: "memory_limit = 2G"- regexp:
"^max_input_time" line: "max_input_time = 3600"
# Fonte: https://docs.ansible.com/ansible/2.7/modules/file_module.html
- name: Cria a directoria tempor ria leantime e a directoria 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, p gina 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"mysql_user:namlogin_leantime }}"
[?12l[?25h[?25lmysql_user:namlogin_leantime }}" password: "{{ password_leantime }}"priv:
"leantime_database.*:ALL"host: localhoststate: present
- name: "Faz o download do software leantime a partir do repositÃ³rio git"get_url:url:
https://github.com/Leantime/leantime/releases/download/{{ versao_leantime }}/Leantime-{{ versao_leantime }}.zipdest:
/tmp/leantimemode: 0755
# O ficheiro Leantime-versao.zip necessita de ser descomprimido
- name: Descomprime o software leantimeunarchive: src: "/tmp/leantime/Leantime-{{ versao_leantime }}.zip" dest:
"/var/www/leantime" owner: www-datagroup: www-datamode: 0755remote_src: true
# ApÃ³s a descompressÃ£o, se o ficheiro configuration.php nÃ£o existir, este necessita de ser
# criado a partir do ficheiro configuration.sample.php
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/copy_module.html
- name: Copia o ficheiro de configuraÃ§Ã£o configuration.sample.phpansible.builtin.copy: src:
/var/www/leantime/config/configuration.sample.php dest: /var/www/leantime/config/configuration.php owner: www-
datagroup: www-data mode: '0755' remote_src: trueforce: false
[?12l[?25h[?25l remote_src: trueforce: false
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/replace_module.html
- name: Altera as variÃ¡veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o mÃ³dulo
replace.ansible.builtin.replace:path: /var/www/leantime/config/configuration.php regexp: "{{ item.regexp }}" replace: "{{
item.line }}"with_items:- regexp: 'dbUser=""' line: 'dbUser="{{ login_leantime }}"'- regexp: 'dbDatabase=""' line:
'dbDatabase="leantime_database"' - regexp: 'dbPassword=""' line: 'dbPassword="{{ password_leantime }}"'
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/template_module.html
- name: Copia o template do site para a pÃ¡sta /etc/apache2/sites-availableansible.builtin.template:src:
leantime.template.j2dest: /etc/apache2/sites-available/leantime.confowner: root group: www-data mode: 0644 force: false
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html
- name: "Cria um link simbÃ³lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled"ansible.builtin.file:src:
/etc/apache2/sites-available/leantime.confdest: /etc/apache2/sites-enabled/leantime.confstate: link
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html
```

```
[?12l[?25h[?25l # Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html
- name: "Cria um link simbÃ³lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled" ansible.builtin.file: path:
/etc/apache2/sites-available/leantime.conf owner: rootgroup: www-datamode: '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: absent
[?12l[?25h[?25lModificado
```

```
- name: "Apaga o link 000-default.conf na pasta sites-enabled do apache2"
[?12l[?25h[?25l[?12l[?25h[?25l ansible.builtin.file:
[?12l[?25h[?25l[?12l[?25h[?25l
path: /etc/apache2/sites-enabled/000-default.conf
[?12l[?25h[?25l[?12l[?25h[?25l
state: absent
[?12l[?25h[?25l
[?12l[?25h[?25l78
M[?12l[?25h[?25l
path: /etc/apache2/sites-enabled/000-default.conf[?12l[?25h[?25l
[?12l[?25h[?25l
path: /etc/apache2/sites-enabled/000-default.conf[?12l[?25h[?25l
[?12l[?25h[?25l[?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... ]
```

```
[ 178 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]0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ nano tasks/tasks.yml
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;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ molecule deploy
Usage: molecule [OPTIONS] COMMAND [ARGS]...
Try "molecule --help" for help.

Error: No such command "deploy".
]0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ molecule deployconverge
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 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]
*****
[WARNING]: Module did not set no_log for update_password

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 pasta /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 : Cria um link simb lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]
*****
ok: [ubuntu-20.04]
```

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

```
PLAY RECAP
*****
ubuntu-20.04
: ok=18
changed=1
unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

```
]0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible$ molecule idempotence
INFO
default scenario test matrix: idempotence
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
>
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]

[WARNING]: Module did not set no_log for update_password

ok: [ubuntu-20.04]

TASK [leantime_ansible : Faz o download do software leantime a partir do repositório 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={'regexp': 'dbUser=""', 'line': 'dbUser="leantimeDBadmin"'})

ok: [ubuntu-20.04] => (item={'regexp': 'dbDatabase=""', 'line': 'dbDatabase="leantime_database"'})

ok: [ubuntu-20.04] => (item={'regexp': 'dbPassword=""', 'line': 'dbPassword="#S3gr3d0S3cr3t0#"'})

TASK [leantime_ansible : Copia o template do site para a pasta /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 : Cria um link simb  lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]

ok: [ubuntu-20.04]

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

ok: [ubuntu-20.04]

PLAY RECAP

ubuntu-20.04

: ok=18

changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO

Idempotence completed successfully.

[0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ molecule verify

INFO

default scenario test matrix: verify

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
>
verify
```

```
INFO
Running Ansible Verifier
```

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

```
TASK [Variáveis]
*****
ok: [ubuntu-20.04]
```

```
TASK [Simulação: Atualizar a cache do sistema]
*****
ok: [ubuntu-20.04]
```

```
TASK [teste: a cache encontra-se atualizada?]
*****
ok: [ubuntu-20.04] => {
```

```
"changed": false,

"msg": "SUCESSO: A cache está 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 está atualizado"

}
```

```
TASK [Teste: a cache encontra-se atualizada?]
*****
ok: [ubuntu-20.04] => {
```

```
"changed": false,

"msg": "SUCESSO: A cache está atualizada"

}
```

```
TASK [Simulação: testa se as aplicações dependência do software leantime se encontram instaladas]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: as dependências 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.]
*****
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 [Teste: As linhas do php.ini encontram-se alteradas ?]
*****
ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: O ficheiro php.ini foi alterado com sucesso"

}
```

```
TASK [Simula    o: Obtem informa    o sobre a pastas /var/www/leantime]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: A pasta /var/www/leantime existe e tem as permiss  es certas?]
*****
ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: Permiss  es correctas no site leantime"

}
```

```
TASK [Simula    o: Verifica se    necess  rio criar a base de dados leantime_database]
*****
ok: [ubuntu-20.04]
```

```
TASK [Teste: A base de dados leantime_database existe ?]
*****
```

```
ok: [ubuntu-20.04] => {  
  
"changed": false,  
  
"msg": "SUCESSO: A base de dados leantime_database já se encontra criada"  
  
}
```

```
TASK [Simulação e Teste: Verifica se o endereço git para a versão de leantime existe]  
*****  
ok: [ubuntu-20.04]
```

```
TASK [Simulação: Obtem informação sobre o ficheiro /var/www/leantime/config/configuration.php]  
*****  
ok: [ubuntu-20.04]
```

```
TASK [Teste: O ficheiro /var/www/leantime/config/configuration.php existe e tem as permissões certas?]  
*****  
ok: [ubuntu-20.04] => {  
  
"changed": false,  
  
"msg": "SUCESSO: Permissões correctas e ficheiro configuration.php existente"  
  
}
```

```
TASK [Simulação: Testa se o dbuser foi alterado no ficheiro configuration.php utilizando o módulo replace.]  
*****  
ok: [ubuntu-20.04]
```

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

```
TASK [Simulação: Testa se o dbDatabase foi alterado no ficheiro configuration.php utilizando o módulo replace.]  
*****  
ok: [ubuntu-20.04]
```

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

```
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 [Simulação: Obtem informação 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 permissões certas?]

ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: Permissões correctas"

}

TASK [Simulação: Obtem informação 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 permissões certas?]

ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: Permissões correctas"

}

TASK [Simulação: Obtem informação 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 NÃO existe?]

ok: [ubuntu-20.04] => {

"changed": false,

"msg": "All assertions passed"

}

PLAY RECAP

ubuntu-20.04
: ok=32
changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO
Verifier completed successfully.
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible\$ exit
exit