

```
j0:admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ nano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ]
[ 193 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"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 reposit rio git"get_url:url:
https://github.com/Leantime/leantime/releases/download/{{ versao_leantime }}/Leantime-{{ versao_leantime }}.zipdest:
/tmp/leantime
# 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" mode: 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

[?12l[?25h[?25l # 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.phpdest: /var/www/leantime/config/configuration.phpowner: www-data
group: www-data mode: '0755' 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-availableansible.builtin.template:src:
leantime.template.j2dest: /etc/apache2/sites-available/leantime.confowner: root group: www-data mode: 0644
[?12l[?25h[?25l group: www-data mode: 0644 force: false
```


[illegible][illegible]

[?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 p[?12l[?25h[?25la[?12l[?25h[?25ls[?12l[?25h[?25ls[?12l[?25h[?25lw[?12l[?25h[?25lo[?12l[?25h[?25lr[?12l[?25h[?25ld[?12l[?25h[?25l:[?12l[?25h[?25l {?12l[?25h[?25l{[?12l[?25h[?25l{[?12l[?25h[?25l{[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25ls[?12l[?25h[?25ls[?12l[?25h[?25lw[?12l[?25h[?25lo[?12l[?25h[?25lr[?12l[?25h[?25ld[?12l[?25h[?25l [?12l[?25h[?25lw[?12l[?25h[?25le[?12l[?25h[?25lb[?12l[?25h[?25ls[?12l[?25h[?25li[?12l[?25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25l [?12l[?25h[?25l]}[?12l[?25h[?25l]}[?12l[?25h[?25l78

[illegible][illegible][illegible][illegible]

[?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[?25lu[?12l][?25h[?25ls[?12l][?25h[?25l_?[?12l][?25h[?25lc[?12l][?25h[?25lo[?12l][?25h[?25ld[?12l][?25h[?25le[?12l][?25h[?25l.[?12l][?25h[?25l [?12l][?25h[?25l2[?12l][?25h[?25l0[?12l][?25h[?25l0[?12l][?25h[?25l78

[?12l][?25h][?25l][?12l][?25h][?25l][?12l][?25h][?25l][?12l][?25h][?25l][?12l][?25h][?25lr][?12l][?25h][?25le][?12l][?25h][?25lgf][?12l][?25h][?25li][?12l][?25h][?25lsf][?12l][?25h][?25ltf][?12l][?25h][?25le][?12l][?25h][?25lr][?12l][?25h][?25l]:[?12l][?25h][?25l][?12l][?25h][?25ll][?12l][?25h][?25lo][?12l][?25h][?25lq][?12l][?25h][?25li][?12l][?25h][?25ln][?12l][?25h][?25l78

[illegible]

[?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...]

[209 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
[?11>[?2004l]0;admllocal@devOps: ~/leantime_ansibleadmlocal@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.
Syntax Error while loading YAML.
found unacceptable key (unhashable type: 'AnsibleMapping')

The error appears to be in '/home/admllocal/leantime_ansible/tasks/tasks.yml': line 202, column 18, but may
be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

```
body:
email: {{ login_website }}
^ here
```

We could be wrong, but this one looks like it might be an issue with missing quotes. Always quote template expression brackets when they start a value. For instance:

```
with items:
- {{ foo }}
```

Should be written as:

```
with items:
- "{{ foo }}"
```

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... ]
[ 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 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"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 reposit rio git"get_url:url:
```

```
https://github.com/Leantime/leantime/releases/download/{{ versao_leantime }}/Leantime-{{ versao_leantime }}.zipdest:
/tmp/leantime
```

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" mode: 0755remote_src: true
```

[?12l[?25h[?25l[?12l[?25h[?1049l

```
[?11]>[?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 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)]

changed: [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]

changed: [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 repositório git]

changed: [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]

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]

fatal: [ubuntu-20.04]: FAILED! => {"msg": "The task includes an option with an undefined variable. The error was: 'first_name_website' is undefined\n\nThe error appears to be in '/home/admlocal/leantime_ansible/tasks/tasks.yml': line 196, column 6, but may\nbe elsewhere in the file depending on the exact syntax problem.\n\nThe offending line appears to be:\n\n# Tarefa: Criar o administrador da aplica o leantime\n- name: \"Cria o administrador da aplica o leantime\"\n ^ here\n"}\n

PLAY RECAP

ubuntu-20.04

: ok=20

changed=3


```
Colar txt ^T
Ortografia ^
Ir p/ linha M-E
Refazer M-6
Copiar txt
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?1049l
[?11>[?2004l]0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible$ nano vars/main.yml molecule
convergelint
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 lintnano vars/main.yml 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 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={'regexp': '^file_uploads', 'line': 'file_uploads = 1'})

ok: [ubuntu-20.04] => (item={'regexp': '^upload_max_filesize', 'line': 'upload_max_filesize = 1G'})

ok: [ubuntu-20.04] => (item={'regexp': '^max_file_uploads', 'line': 'max_file_uploads = 20'})

ok: [ubuntu-20.04] => (item={'regexp': '^post_max_size', 'line': 'post_max_size = 2G'})

ok: [ubuntu-20.04] => (item={'regexp': '^memory_limit', 'line': 'memory_limit = 2G'})

ok: [ubuntu-20.04] => (item={'regexp': '^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 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={'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]
*****
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]
```

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

j0;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 estÃ¡ atualizada"

}

TASK [SimulaÃ§Ã£o: testa se as aplicaÃ§Ães 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 [SimulaÃ§Ã£o: Testar se o serviÃ§o apache2 se encontra instalado, iniciado e ativo no arranque]
*****
ok: [ubuntu-20.04]

TASK [Teste: O serviÃ§o apache2 encontra-se ativo no arranque no sistema, e estÃ¡ iniciado?]
*****
ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: O serviÃ§o apache2 estÃ¡ 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 [SimulaÃ§Ã£o: Ativa a opÃ§Ã£o file_uploads no ficheiro php.ini, utilizando o mÃ³dulo 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 [SimulaÃ§Ã£o: Obtem informaÃ§Ã£o sobre a pastas /var/www/leantime]
*****
ok: [ubuntu-20.04]

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

```
ok: [ubuntu-20.04] => {  
  
"changed": false,  
  
"msg": "SUCESSO: Permissões correctas no site leantime"  
  
}
```

```
TASK [Simulação: Verifica se é necessário 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"

}
```

```
TASK [Simulação: Activa o módulo mod_rewrite no apache]
*****
ok: [ubuntu-20.04]
```

```
TASK [Simulação: Activa o módulo 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"
}
```

PLAY RECAP

ubuntu-20.04
: ok=38
changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO
Verifier completed successfully.
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@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]

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]

changed: [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]
*****
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=1
unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

CRITICAL
Idempotence test failed because of the following tasks:
* => leantime_ansible : Descomprime o software leantime
]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]

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 repositório git]

ok: [ubuntu-20.04]

TASK [leantime_ansible : Descomprime o software leantime]

ok: [ubuntu-20.04]

TASK [leantime_ansible : Copia o ficheiro de configuração configuration.sample.php]

ok: [ubuntu-20.04]

TASK [leantime_ansible : Altera as variáveis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o módulo 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 simbólico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]

ok: [ubuntu-20.04]

TASK [leantime_ansible : Cria um link simbólico 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]

TASK [leantime_ansible : Activa o módulo mod_rewrite no apache]

ok: [ubuntu-20.04]

TASK [leantime_ansible : Cria o administrador da aplicação 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.

j0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$

j0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ exit

exit