

```
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ exitnano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ]
[ 81 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"
[?12l[?25h[?25l[?12l[?25h[?25lModificado
```

```
[?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[?25ln
[?12l[?25h[?25lt
[?12l[?25h[?25le
[?12l[?25h[?25l:
[?12l[?25h[?25l
[?12l[?25h[?25lh
[?12l[?25h[?25lt
[?12l[?25h[?25lt
[?12l[?25h[?25lp
[?12l[?25h[?25ls
[?12l[?25h[?25l:
[?12l[?25h[?25l/
[?12l[?25h[?25l/
[?12l[?25h[?25ld
```

```
[?12l[?25h[?25lo
[?12l[?25h[?25lc
[?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[?25lc
```

[illegible]

ansible-lint

./tasks/tasks.yml
96:1 error too many blank lines (2 > 0) (empty-lines)

CRITICAL

Lint failed with error code 1

j0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ molecule lintnano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[A ler...]
[96 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 necessÁria 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 In. parÁig^Y
Prim.linha^T
Ir para txtC
Cancelar O
Fim parÁigV
Áslt. linha
Insira nÂº da linha, nÂº da coluna:
[?12l[?25h[?25l9

[?12l[?25h[?25l6

[?12l[?25h[?25l,

[?12l[?25h[?25l1

[?12l[?25h[?25l
^O
GravarProcurar ^K
Cortar txt ^J
Justificar ^C
Pos cursor M-U
Desfazer M-A
Marcar txtX
Sair ^R
Carregar
Substituir ^U
Colar txtT
Ortografia ^_
Ir p/ linha M-E
RefazerM-6
Copiar txt
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
Cria a directoria temporÁria leantime e a directoria de apache leantimefile:path: "{{ item.path }}"state: directory mode:
0755 owner: www-datagroup: www-datawith_items:path: "/tmp/leantime"path: "/var/www/leantime"
[?12l[?25h[?25lModificado

[?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... ]

[ 93 linhas escritas ]
^O
Gravar ^W
Procurar ^K
Cortar txt ^J
Justificar ^C
Pos cursor U
Desfazer M-A
Marcar txt X
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;admlcal@devOps: ~/leantime_ansibleadmlcal@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;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 necessaria ao programa leantime]
*****
ok: [ubuntu-20.04]

TASK [leantime_ansible : Instala o serviÃo 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 várias opções no ficheiro php.ini, utilizando o módulo 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 temporária leantime e a directoria de apache leantime]

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

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

PLAY RECAP

ubuntu-20.04

: ok=8

changed=1

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

[0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible\$ molecule convergeidempotence

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={'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'})

PLAY RECAP

ubuntu-20.04

: ok=8

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 [Simula    : 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 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    : 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    : 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 [Simulação: Ativa a opção file_uploads no ficheiro php.ini, utilizando o módulo 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 [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 [Simulação: Obtem informação sobre a pasta /var/www/leantime]

ok: [ubuntu-20.04]

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

ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: Permissões correctas no site leantime"

}

PLAY RECAP

ubuntu-20.04

: ok=14

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

INFO

Verifier completed successfully.

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

exit