

```
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
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25h[?25lg[?12l[?25h[?25lr[?12l[?25h[?25lo[?12l[?25h[?25lu[?12l[?25h[?25lp[?12l[?25h[?25l.[?12l[?25h[?25l [?12l[?25h[?
25lw[?12l[?25h[?25lw[?12l[?25h[?25lw[?12l[?25h[?25l-[?12l[?25h[?25ld[?12l[?25h[?25la[?12l[?25h[?25lt[?12l[?25h[?25la[?
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25ls[?12l[?25h[?25l.[?12l[?25h[?25l
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25h[?25l-[?12l[?25h[?25l [?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lt[?12l[?25h[?25lh[?12l[?25h[?25l.[?12l[?25h[?25l
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25h[?25l
```



```
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]
*****
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;admlocal@devOps: ~/leantime_ansibleadmlocal@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.
j0:admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible$ molecule verify
INFO default scenario test matrix: verify
INFO Performing prun...
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  o: 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 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 serviÃço apache2 se encontra instalado, iniciado e ativo no arranque]

ok: [ubuntu-20.04]

TASK [Teste: O serviÃço apache2 encontra-se ativo no arranque no sistema, e estÃ¡ iniciado?]

```
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: O serviÃço 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 permissÃes certas?]

```
ok: [ubuntu-20.04] => {
"changed": false,
"msg": "SUCESSO: PermissÃes 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.

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

exit