

```
[0;admlcal@devOps: ~/leantime ansible$ nano tasks/tasks.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ][ 9 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
^X Sair ^R Carregar ^\ Substituir ^U Colar txt ^T Ortografia ^_ Ir p/ linha M-E Refazer
---- name: Atualiza a cache (equivalente a apt update)apt:update_cache: truecache_valid_time: 3600- name: "Atualiza o
sistema operativo"apt:upgrade: safe
[?12l[?25h[?25l[?12l[?25h[?1049l
[?1l>[?2004l]0;admlcal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible$ nano tasks/tasks.yml
[1@-[1@F[1@
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ][ 9 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
^X Sair ^R Carregar ^\ Substituir ^U Colar txt ^T Ortografia ^_ Ir p/ linha M-E Refazer
---- name: Atualiza a cache (equivalente a apt update)apt:update_cache: truecache_valid_time: 3600- name: "Atualiza o
sistema operativo"apt:upgrade: safe
[?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[?25lModificado
[?12l[?25h[?25lM-F Novo buffer ^X Executar comando C Cancelar M-N Sem conversÃ£o ^T P/ ficheiros
Ficheiro a ler para o novo buffer [de ./]: [?12l[?25h[?25lm
[?12l[?25h[?25lo
[?12l[?25h[?25ll
[?12l[?25h[?25le
[?12l[?25h[?25lcule/
[?12l[?25h[?25lv
[?12l[?25h[?25le
[?12l[?25h[?25lr
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[?12l[?25h[?25lfault/
[?12l[?25h[?25lv
[?12l[?25h[?25le
[?12l[?25h[?25lr
[?12l[?25h[?25lify.yml
[?12l[?25h[?25l [ A ler... ][ 89 linhas lidas ][2/2] molecule/default/verify.yml ^O Gravar ^W Procurar ^K Cortar txt ^J
Justificar ^C Pos cursor M-U Desfazer X Fechar ^R Carregar ^\ Substituir ^U Colar txt ^T Ortografia ^_ Ir p/ linha M-E
Refazer
# Tutorial de inspiraÃ§Ã£o para a infraestrutura conduzida por teste no site
# https://www.adictosaltrabajo.com/2020/05/08/ansible-testing-using-molecule-with-ansible-as-verifier/
- name: "Infraestrutura conduzida por testes"hosts: allgather_facts: falsebecome: true
tasks:- name: "SimulaÃ§Ã£o: Atualizar a cache do sistema"apt:update_cache: truecache_valid_time: 3600check_mode:
trueregister: estado- name: "teste: a cache encontra-se atualizada?"assert:that:- not estado.changedsuccess_msg:
"SUCESSO: A cache estÃ¡ atualizada"fail_msg: "ERRO: Existem atualizaÃ§Ãµes pendentes"- name: "Atualizar o sistema
operativo (equivalente a apt upgrade)"apt:upgrade: safecheck_mode: trueregister: estado- name: "teste: o sistema
operativo encontra-se atualizado?"assert:that:
[?12l[?25h[?25l assert: that: - not estado.changedsuccess_msg: "SUCESSO: O sistema operativo estÃ¡ atualizado"
fail_msg: "ERRO: Existem atualizaÃ§Ãµes pendentes"TSimulaÃ§Ã£o: testa se as aplicaÃ§Ãµes dependencia do software
leantime se encontram instaladas"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
[?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 [
MarcaÃ§Ã£o feita ]
[?12l[?25h[?25l - name: "SimulaÃ§Ã£o: testa se as aplicaÃ§Ãµes dependencia do software leantime se encontram
instaladas"
[?12l[?25h[?25l apt:
[?12l[?25h[?25l pkg:
[?12l[?25h[?25l - mc
[?12l[?25h[?25l - screen
[?12l[?25h[?25l - git
[?12l[?25h[?25l - apache2
[?12l[?25h[?25l - mysql-server
[?12l[?25h[?25l - php
[?12l[?25h[?25l - php-mysql
[?12l[?25h[?25l - php-ldap
[?12l[?25h[?25l - php-cli
[?12l[?25h[?25l - php-soap
[?12l[?25h[?25l - php-json
[?12l[?25h[?25l - graphviz
[?12l[?25h[?25l - php-xml
[?12l[?25h[?25l - php-gd
[?12l[?25h[?25l - php-zip
```

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[?12l[?25h[?25l - libapache2-mod-php
[?12l[?25h[?25l78
- php-dev- libmccrypt-dev
[?12l[?25h[?25l78
- libmccrypt-dev- gcc
[?12l[?25h[?25l78
- gcc- make
[?12l[?25h[?25l78
- make- autoconf
[?12l[?25h[?25l78
- autoconf- libc-dev
[?12l[?25h[?25l78
- libc-dev- pkg-config
[?12l[?25h[?25l78
- pkg-config- pwgen
[?12l[?25h[?25l78
- pwgen- curl
[?12l[?25h[?25l78
- curl- unzip
[?12l[?25h[?25l78
- unzip- zip
[?12l[?25h[?25l78
- zip- php-mbstring
[?12l[?25h[?25l78
- php-mbstring- expect
[?12l[?25h[?25l78
- expect- net-tools
[?12l[?25h[?25l78
- net-tools- python3-mysqldb
[?12l[?25h[?25l78
- python3-mysqldb- python3-apt
[?12l[?25h[?25l78
- python3-apt- python3-pycurl
[?12l[?25h[?25l78
- python3-pycurlcheck_mode: true
[?12l[?25h[?25l78
check_mode: trueregister: estado
[?12l[?25h[?25l78
register: estado
[?12l[?25h[?25l78
check_mode: true
[?12l[?25h[?25l78Modificado
register: estado
- name: "teste: a cache encontra-se atualizada?"
assert: that: - not estado.changed success_msg: "SUCESSO: A cache está atualizada" fail_msg: "ERRO: Existem
atualizações pendentes"
- name: "Atualizar o sistema operativo (equivalente a apt upgrade)"
apt: upgrade: safe
check_mode: true
register: estado
- name: "teste: o sistema operativo encontra-se atualizado?"
assert: that: - not estado.changed success_msg: "SUCESSO: O sistema operativo está atualizado" fail_msg: "ERRO:
Existem atualizações pendentes"
- name: "Teste: a cache encontra-se atualizada?"
assert: that: - not estado.changed success_msg: "SUCESSO: A cache está atualizada" fail_msg: "ERRO: Existem
atualizações pendentes"
[?12l[?25h[?25l - libmccrypt-dev- gcc - make - autoconf- libc-devpkg-config- pwgen- curl- unzip - zip - php-mbstring-
expect- net-tools- python3-mysqldb- python3-apt- python3-pycurlassert:that:- not estado.changedsuccess_msg: "SUCESSO:
As dependências estavam instaladas"fail_msg: "ERRO: Faltam instalar algumas dependências. O software pode estar
parcialmente instalado">[?12l[?25h[?25lGravar buffer modificado? S Sim
N NãoO ^C Cancelar[?12l[?25h[?25l1 tasks/tasks.yml [ tasks.yml -- 10 linhas ]1
^G Ajuda^O Gravar ^W Procurar ^K Cortar txt ^J Justificar ^C Pos cursor M-U Desfazer
^X Sair^R Carregar ^\ Substituir ^U Colar txt ^T Ortografia ^ Ir p/ linhaM-E Refazer
---- name: Atualiza a cache (equivalente a apt update)apt: update_cache: true cache_valid_time: 3600
- name: "Atualiza o sistema operativo"apt: upgrade: safe
[?12l[?25h[?25l - libmccrypt-dev - gcc - make- autoconf- libc-dev- pkg-config - pwgen - curl- unzip- zip- php-mbstring-
expect- net-tools- python3-mysqldb- python3-apt- python3-pycurl
[?12l[?25h[?25l---- name: Atualiza a cache (equivalente a apt update)apt: update_cache: true cache_valid_time: 3600
- name: "Atualiza o sistema operativo"apt: upgrade: safe
- name: "Simulações: testa se as aplicações dependência do software leantime se encontram
instaladas"apt:pkg:mcscreengit- 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- libmccrypt-dev- gcc- make
[?12l[?25h[?25l- name: "Simulações: testa se as aplicações dependência do software leantime se encontram
instaladas"
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l apt:
```

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[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l pkg:
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - mc
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - screen
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - git
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - apache2
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - mysql-server
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-mysql
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-ldap
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-cli
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-soap
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-json
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - graphviz
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-xml
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-gd
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-zip
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - libapache2-mod-php
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - php-dev
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - libmcrypt-dev
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - gcc
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - make
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- autoconf
[?12l[?25h[?25l[?12l[?25h[?25l - autoconf
[?12l[?25h[?25l78
- libc-dev
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- pkg-config
[?12l[?25h[?25l[?12l[?25h[?25l - pkg-config
[?12l[?25h[?25l78
- pwgen
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- curl
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- unzip
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[?12l[?25h[?25l - php-mbstring
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- expect
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[?12l[?25h[?25l - net-tools
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- python3-mysqldb
[?12l[?25h[?25l78
- python3-apt
[?12l[?25h[?25l78
[?12l[?25h[?25l - python3-mysqldb
[?12l[?25h[?25l[?12l[?25h[?25l
[?12l[?25h[?25l - python3-apt
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l - python3-pycurl
[?12l[?25h[?25l78
[?12l[?25h[?25l---- name: Atualiza a cache (equivalente a apt update)apt:update_cache: truecache_valid_time: 3600-
name: "Atualiza o sistema operativo"apt:upgrade: safe- name: "SimulaÃ§Ã£o: testa se as aplicaÃ§Ãµes dependencia do
software leantime se encontram instaladas"apt:pkg:- mc
[?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[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?
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12l[?25h[?25lIdependencia do software leantime se encontram instaladas"[?12l[?25h[?25ldependencia do software
leantime se encontram instaladas"[?12l[?25h[?25ldependencia do software leantime se encontram instaladas"[?12l[?
25h[?25ldependencia do software leantime se encontram instaladas"[?12l[?25h[?25ldependencia do software
leantime se encontram instaladas"[?12l[?25h[?25ldependencia do software leantime se encontram instaladas"[?12l[?
25h[?25ldependencia do software leantime se encontram instaladas"[?12l[?25h[?25l dependencia do software leantime
```

```
[?12l[?25h[?25l
[?12l[?25h[?1049l
[?1l]>[?2004l]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
```

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

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 necessÃ¡ria ao programa leantime] *****
changed: [ubuntu-20.04]
```

```
PLAY RECAP *****
ubuntu-20.04 : ok=4 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

```

j0;adminlocal@devOps: ~/leantime_ansibleadminlocal@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

```

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 dependências estavam instaladas"
}
```

```
PLAY RECAP *****
ubuntu-20.04 : ok=7 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
```