

```
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ exitnano handlers/main.yml
[?2004h[?1049h[?7h[?1h=[?1h=[?25l[ A ler... ]
[ 2 linhas lidas ]
GNU nano 4.8 handlers/main.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
---
```

```
[?12l[?25h[?25lModificado
```

```
[?12l[?25h[?25l[?12l[?25h[?25l-[?12l[?25h[?25l-[?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[?25lR[?12l[?25h[?25le[?12l[?25h[?25li[?12l[?25h[?25ln[?12l[?25h[?25li[?12l[?25h[?25lc[?12l[?25h[?
25li[?12l[?25h[?25la[?12l[?25h[?25lr[?12l[?25h[?25l [?12l[?25h[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?
12l[?25h[?25lh[?12l[?25h[?25le[?12l[?25h[?25l2[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25ls[?12l[?25h[?25le[?12l[?25h[?25lr[?12l[?25h[?25lv[?12l[?25h[?25li[?12l[?
25h[?25lc[?12l[?25h[?25le[?12l[?25h[?25l:[?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[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?12l[?25h[?
25lh[?12l[?25h[?25le[?12l[?25h[?25l2[?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[?25lr[?12l[?25h[?25le[?12l[?25h[?25ls[?12l[?25h[?
25lt[?12l[?25h[?25la[?12l[?25h[?25lr[?12l[?25h[?25lt[?12l[?25h[?25le[?12l[?25h[?25ld[?12l[?25h[?25l
[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25lb[?12l[?25h[?25le[?12l[?25h[?25lc[?12l[?25h[?25lo[?12l[?25h[?25lm[?12l[?
25h[?25le[?12l[?25h[?25l:[?12l[?25h[?25l [?12l[?25h[?25lt[?12l[?25h[?25lr[?12l[?25h[?25lu[?12l[?25h[?25le[?12l[?25h[?25l
[?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: handlers/main.yml
[?12l[?25h[?25l [ A escrever... ]
```

```
[ 6 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;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible$ molecule lint
INFO
default scenario test matrix: dependency, lint
INFO
Performing prerun...
```

INFO
Using .cache/roles/nunomourinho.lean_time_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: ~/lean_time_ansibleadmlocal@devOps:~/lean_time_ansible\$ nano 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 ^\n
Substituir ^U
Colar txt ^T
Ortografia ^
Ir p/ linha M-E
Refazer M-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- libmccrypt-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"

```
- name: Cria a directoria temporária leantime e a directoria de apache leantimefile:
  path: "{{ item.path }}"
  state: directory
mode: 0755
owner: www-data
group: www-data
with_items:
  - path: "/tmp/leantime"
  - path: "/var/www/leantime"
```

Fonte: Ansible for DevOps - Server and configuration management for humans de Jeff Geerling, página 98

O ficheiro Leantime-versao.zip necessita de ser descomprimido

```
# ApÃ³s a descompressÃ£o, se o ficheiro configuration.php nÃ£o existir, este necessita de ser
# criado a partir do ficheiro configuration.sample.php
```

```
- 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/template_module.html

Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html

```
- name: "Activa o mÃ³dulo mod_rewrite no apache"apache2 module:name: rewrite state: present
```

```
[?12l[?25h[?25l[?12l[?25h[?25l78Murl: http://localhost/install
```

[?12l[?25h[?25l78M # Tarefa: Criar o administrador da aplicaÃ§Ã£o leantime

[illegible]

```
[?12l[?25h[?25l78Mnotify: Reiniciar apache2
```


lastname: "{ { last_name_website } }" company: "{ { company_website } }"install: Install status_code: 200 register: login
[?12l[?25h[?25l
[?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
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[?12l[?25h[?25l.
[?12l[?25h[?25lc
[?12l[?25h[?25lo
[?12l[?25h[?25lm
[?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[?25ll
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M[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l

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[?12l[?25h[?25la
[?12l[?25h[?25l
[?12l[?25h[?25lo
[?12l[?25h[?25l
[?12l[?25h[?25lr
[?12l[?25h[?25le
[?12l[?25h[?25li
[?12l[?25h[?25ln
[?12l[?25h[?25li
[?12l[?25h[?25lc
[?12l[?25h[?25li
[?12l[?25h[?25lo
[?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[?25l2
[?12l[?25h[?25l78

M[?12l[?25h[?25l [?12l[?25h[?25l [?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[?25lO[?12l[?25h[?25lb[?12l[?25h[?25lr[?12l[?25h[?25li[?12l[?25h[?25lg[?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25la[?12l[?25h[?25l [?12l[?25h[?25le[?12l[?25h[?25lx[?12l[?25h[?25le[?12l[?25h[?25lc[?12l[?25h[?25lu[?12l[?25h[?25lÃ§[?12l[?25h[?25lÃ£[?12l[?25h[?25lo[?12l[?25h[?25l [?12l[?25h[?25ld[?12l[?25h[?25lo[?12l[?25h[?25ls[?12l[?25h[?25l [?12l[?25h[?25lh[?12l[?25h[?25la[?12l[?25h[?25ln[?12l[?25h[?25ld[?12l[?25h[?25l[?12l[?25h[?25ld[?12l[?25h[?25ll[?12l[?25h[?25le[?12l[?25h[?25lr[?12l[?25h[?25ls[?12l[?25h[?25l78
M[?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l [?12l[?25h[?25lm[?12l[?25h[?25le[?12l[?25h[?25lt[?12l[?25h[?25la[?12l[?25h[?25l:[?12l[?25h[?25l [?12l[?25h[?25lf[?12l[?25h[?25ll[?12l[?25h[?25lu[?12l[?25h[?25ls[?12l[?25h[?25lh[?12l[?25h[?25l_[?12l[?25h[?25lh[?12l[?25h[?25la[?12l[?25h[?25ln[?12l[?25h[?25ld[?12l[?25h[?25ll[?12l[?25h[?25le[?12l[?25h[?25lr[?12l[?25h[?25ls[?12l[?25h[?25l
[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l **M-D**

Formato DOS**M-A**
Anexar**B**
SeguranÃ§a**C**
Cancelar **M-M**
Formato Mac**M-P**

```
Prepor^T
P/ ficheiros
Nome do ficheiro onde escrever: tasks/tasks.yml
[?12l[?25h[?25l [ A escrever... ]

[ 218 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[?25lstatus_code: 200register: login
[?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 M-D
Formato DOSM-A
AnexarB
SeguranÃaC
Cancelar M-M
Formato MacM-P
Prepor^T
P/ ficheiros
Nome do ficheiro onde escrever: tasks/tasks.yml
[?12l[?25h[?25l [ A escrever... ]
[ 218 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$ 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)]

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]

^C
Aborted!
j0;admlcal@devOps: ~/leantime_ansibleadmlcal@devOps:~/leantime_ansible\$ molecule destroy
INFO
default scenario test matrix: dependency, cleanup, destroy
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
>
cleanup

WARNING
Skipping, cleanup playbook not configured.

INFO
Running
default
>
destroy

PLAY [Destroy]

TASK [Destroy molecule instance(s)]

changed: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config]

ok: [localhost]

TASK [Dump instance config]

changed: [localhost]

PLAY RECAP

localhost
: ok=3
changed=2
unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

INFO
Pruning extra files from scenario ephemeral directory
j0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible\$ molecule test
INFO
default scenario test matrix: dependency, lint, cleanup, destroy, syntax, create, prepare, converge, idempotence, verify,
cleanup, destroy
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.
INFO
Running
default
>
cleanup

WARNING
Skipping, cleanup playbook not configured.
INFO
Running
default
>
destroy

PLAY [Destroy]

```
TASK [Destroy molecule instance(s)]
*****

ok: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config]
*****

ok: [localhost]

TASK [Dump instance config]
*****

skipping: [localhost]
```

```
PLAY RECAP
*****

localhost
: ok=2
changed=0 unreachable=0 failed=0 skipped=1
rescued=0 ignored=0

INFO
Running
default
>
syntax
```

```
playbook: /home/admlocal/leantime_ansible/molecule/default/converge.yml
INFO
Running
default
>
create
```

```
PLAY [Create]
*****
```

```
TASK [Create molecule instance(s)]
*****

changed: [localhost] => (item=ubuntu-20.04)
```

```
TASK [Populate instance config dict]
*****

ok: [localhost] => (item={'changed': True, 'log': '/home/admlocal/.cache/molecule/leantime_ansible/default/vagrant-ubuntu-20.04.out', 'Host': 'ubuntu-20.04', 'HostName': '127.0.0.1', 'User': 'vagrant', 'Port': '2222', 'UserKnownHostsFile': '/dev/null', 'StrictHostKeyChecking': 'no', 'PasswordAuthentication': 'no', 'IdentityFile': '/home/admlocal/.cache/molecule/leantime_ansible/default/vagrant/machines/ubuntu-20.04/virtualbox/private_key', 'IdentitiesOnly': 'yes', 'LogLevel': 'FATAL', 'invocation': {'module_args': {'instance_name': 'ubuntu-20.04', 'instance_interfaces': [{'auto_config': True, 'network_name': 'private_network', 'type': 'dhcp'}], 'instance_raw_config_args': ['vm.network forwarded_port', guest: 80, host: 8080], 'platform_box': 'ubuntu/focal64', 'provider_memory': 2048, 'provider_cpus': 2, 'state': 'up', 'config_options': {}, 'provider_name': 'virtualbox', 'provider_options': {}, 'provision': False, 'force_stop': False, 'platform_box_version': None, 'platform_box_url': None, 'provider_override_args': None, 'provider_raw_config_args': None, 'workdir': None}}, 'failed': False, 'item': {'box': 'ubuntu/focal64', 'cpus': 2, 'instance_raw_config_args': ['vm.network forwarded_port', guest: 80, host: 8080], 'interfaces': [{'auto_config': True, 'network_name': 'private_network', 'type': 'dhcp'}], 'memory': 2048, 'name': 'ubuntu-20.04'}, 'ansible_loop_var': 'item'})
```

```
TASK [Convert instance config dict to a list]
*****

ok: [localhost]
```

```
TASK [Dump instance config]
*****

changed: [localhost]
```

```
PLAY RECAP
*****

localhost
: ok=4
changed=2
```

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

INFO
Running
default
>
prepare

PLAY [Prepare]

TASK [Bootstrap python for Ansible]

ok: [ubuntu-20.04]

PLAY RECAP

ubuntu-20.04
: ok=1
changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

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]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Instalar as dependencias necessaria ao programa leantime]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Instala o serviço 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.]

changed: [ubuntu-20.04] => (item={'regex': '^file_uploads', 'line': 'file_uploads = 1'})

changed: [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'})

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

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

changed: [ubuntu-20.04] => (item={'regex': '^max_input_time', 'line': 'max_input_time = 3600'})

TASK [leantime_ansible : Cria a directoria temporãria leantime e a directoria de apache leantime]

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

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

TASK [leantime_ansible : Cria a base de dados de mysql para o leantime]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria o utilizador para a base de dados leantime]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria o utilizador para a base de dados leantime]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Faz o download do software leantime a partir do repositãrio git]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Descomprime o software leantime]

changed: [ubuntu-20.04]

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

changed: [ubuntu-20.04]

TASK [leantime_ansible : Altera as variãveis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o mãdulo replace.] ***

changed: [ubuntu-20.04] => (item={'regex': 'dbUser=""', 'line': 'dbUser="leantimeDBAdmin"})

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

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

TASK [leantime_ansible : Copia o template do site para a pasta /etc/apache2/sites-available]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria um link simbãlico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Muda as permissÃes do ficheiro leantime.conf na pasta /etc/apache/sites-available]

changed: [ubuntu-20.04]

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

changed: [ubuntu-20.04]

TASK [leantime_ansible : Activa o mãdulo mod_rewrite no apache]

changed: [ubuntu-20.04]

RUNNING HANDLER [leantime_ansible : Reiniciar apache2]

changed: [ubuntu-20.04]

TASK [leantime_ansible : Cria o administrador da aplica  o leantime]

ok: [ubuntu-20.04]

PLAY RECAP

ubuntu-20.04
: ok=22
changed=18
unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

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 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 : Muda as permiss es do ficheiro leantime.conf na pasta /etc/apache/sites-available]

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

INFO
Idempotence completed successfully.
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 dependências estavam instaladas"

}

TASK [Simulação: Testar se o serviço apache2 se encontra instalado, iniciado e ativo no arranque]

ok: [ubuntu-20.04]

TASK [Teste: O serviço apache2 encontra-se ativo no arranque no sistema, e está iniciado?]

ok: [ubuntu-20.04] => {

"changed": false,

"msg": "SUCESSO: O serviço apache2 está 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={'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 [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"

}

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 [Simulação: Tenta fazer login na aplicação 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 [Simulação: Obtem a página showMyCalendar para testar uma página com o login efetuado com sucesso]
```

ok: [ubuntu-20.04]

TASK [Teste: Existe o texto editCompanySettings na página?]

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.

INFO

Running

default

>

cleanup

WARNING

Skipping, cleanup playbook not configured.

INFO

Running

default

>

destroy

PLAY [Destroy]

TASK [Destroy molecule instance(s)]

changed: [localhost] => (item=ubuntu-20.04)

TASK [Populate instance config]

ok: [localhost]

TASK [Dump instance config]

changed: [localhost]

PLAY RECAP

localhost

: ok=3

changed=2

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

INFO

Pruning extra files from scenario ephemeral directory

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

exit