

```
0;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[?25l[?12l[?25h[?
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[?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 SeguranÃaC 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.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$ 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^\\ 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 necessÃria 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 inspiraÃÃo:
https://docs.ansible.com/ansible/latest/collections/ansible/builtin/service_module.html- name: "Instala o serviÃo 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 vÃrias opÃÃes no
ficheiro php.ini, utilizando o mÃdulo 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 temporÃria 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, pÃgina 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 repositÃrio 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 # ApÃs a descompressÃo, se o ficheiro configuration.php nÃo existir, este necessita de ser #
criado a partir do ficheiro configuration.sample.php [?12l[?25h[?25l # ApÃs a descompressÃo, se o ficheiro
configuration.php nÃo 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
configuraÃÃo 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 variÃveis
dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o mÃdulo 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 pÃsta /etc/apache2/sites-availableansible.builtin.template:src: leantime.templatej2dest: /etc/apache2/sites-
available/leantime.confowner: root group: www-data mode: 0644 [?12l[?25h[?25l group: www-data mode: 0644 force: false
# Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html- name: "Cria um link simbÃlico
para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled"ansible.builtin.file:src: /etc/apache2/sites-
available/leantime.confdest: /etc/apache2/sites-enabled/leantime.confstate: link # Fonte:
https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html- name: "Cria um link simbÃlico para o
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leantime.conf na pasta /etc/apache/sites-enabled" ansible.builtin.file: path: /etc/apache/sites-
available/leantime.conf owner: rootgroup: www-data mode: '0777' - name: "Apaga o link 000-default.conf na pasta sites-
enabled do apache2"ansible.builtin.file:path: /etc/apache2/sites-enabled/000-default.confstate: absent - name: "Activa o
mÃ³dulo mod_rewrite no apache"apache2_module:name: rewrite state: present # Tarefa: Criar o administrador da
aplicaÃ§Ã£o leantime- name: "Cria o administrador da aplicaÃ§Ã£o leantime"uri:url: http://localhost/installmethod:
POSTbody format: form-urlencoded [?12l[?25h[?25lmethod: POSTbody format: form-urlencodedbody:email: "{ {
login_website } }" password: "{ { password_website } }" firstname: "{ { first_name_website } }" lastname: "{ {
last_name_website } }" company: "{ { company_website } }" install: Installus code: 200register: login [?12l[?25h[?25l[?12l[?
25h[?25l78Murl: http://localhost/install [?12l[?25h[?25l78Muri: [?12l[?25h[?25l78M- name: "Cria o administrador da
aplicaÃ§Ã£o leantime" [?12l[?25h[?25l78M # Tarefa: Criar o administrador da aplicaÃ§Ã£o leantime [?12l[?25h[?25l78M[?
12l[?25h[?25l78Mstate: present [?12l[?25h[?25l78Mname: rewrite [?12l[?25h[?25l78Mapache2_module: [?12l[?25h[?
25l78M- name: "Activa o mÃ³dulo mod_rewrite no apache" [?12l[?25h[?25l78M[?12l[?25h[?25l78Mstate: absent [?12l[?
25h[?25l78Mpath: /etc/apache2/sites-enabled/000-default.conf [?12l[?25h[?25l78Mansible.builtin.file: [?12l[?25h[?25l78M-
name: "Apaga o link 000-default.conf na pasta sites-enabled do apache2" [?12l[?25h[?25l78M[?12l[?25h[?25l78Mmode:
'0777' [?12l[?25h[?25l78Mgroup: www-data [?12l[?25h[?25l78Mowner: root [?12l[?25h[?25l78M[?12l[?25h[?25l78M[?
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[?12l[?25h[?25la[?12l[?25h[?25lp[?12l[?25h[?25la[?12l[?25h[?25lc[?12l[?25h[?25lh[?12l[?25h[?25le[?12l[?25h[?25li[?12l[?
25h[?25l [?12l[?25h[?25l [?12l[?25h[?25l78Mnotify: Reiniciar apache2 [?12l[?25h[?25l78Mnotify: Reiniciar apache2 [?12l[?
25h[?25l [?12l[?25h[?25l78 M- name: "Cria um link simbÃ³lico para o ficheiro leantime.conf na pasta /etc/apache/sites-
enabled"[?12l[?25h[?25l78 M # Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html[?
12l[?25h[?25l78 M[?12l[?25h[?25l78Mstate: link [?12l[?25h[?25l78Mdest: /etc/apache2/sites-enabled/leantime.conf [?12l[?
25h[?25l78Msrc: /etc/apache2/sites-available/leantime.conf [?12l[?25h[?25l78Mansible.builtin.file: [?12l[?25h[?25l78M-
name: "Cria um link simbÃ³lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled" [?12l[?25h[?25l78M #
Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/file_module.html [?12l[?25h[?25l78M[?12l[?25h[?
25l78Mforce: false [?12l[?25h[?25l[?12l[?25h[?25l78Mnotify: Reiniciar apache2 [?12l[?25h[?25l [?12l[?25h[?25l[?12l[?
25h[?25l78 Mmode: 0644[?12l[?25h[?25l78 Mgroup: www-data[?12l[?25h[?25l78 Mowner: root[?12l[?25h[?25l78 Mdest:
/etc/apache2/sites-available/leantime.conf[?12l[?25h[?25l78 Msrc: leantime.template.j2[?12l[?25h[?25l78
Mansible.builtin.template:[?12l[?25h[?25l78 M- name: Copia o template do site para a pÃ¡sta /etc/apache2/sites-available[?
12l[?25h[?25l78 M # Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/template_module.html[?12l[?
25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25lse[?12l[?25h[?25l [?
12l[?25h[?25l [?12l[?25h[?25l78 M[?12l[?25h[?25l78Mline: 'dbPassword="{ { password_leantime } }"'[?12l[?25h[?25l78 M-
regexp: 'dbPassword="{ { password_leantime } }"'[?12l[?25h[?25l78 Mline: 'dbDatabase="leantime_database"'[?12l[?25h[?25l78 line: 'dbUser="{ {
login_leantime } }"'- regexp: 'dbDatabase="{ { password_leantime } }"'[?12l[?25h[?25l78 M- regexp: 'dbUser="{ { password_leantime } }"'[?12l[?25h[?25l78 Mwith_items:[?
12l[?25h[?25l78 Mreplace: "{ { item.line } }"[?12l[?25h[?25l78 Mregexp: "{ { item.regexp } }"[?12l[?25h[?25l78 Mpath:
/var/www/leantime/config/configuration.php[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?
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25l78Mnotify: Reiniciar apache2 [?12l[?25h[?25l owner: root[?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... ] [ 213 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/etc/apache2/sites-available/leantime.confowner: rootgroup: www-data mode: '0777' - name: "Apaga o link 000-
default.conf na pasta sites-enabled do apache2"ansible.builtin.file:path: /etc/apache2/sites-enabled/000-default.confstate:
absentnotify: Reiniciar apache2 - name: "Activa o mÃ³dulo mod_rewrite no apache" apache2_module: name: rewritestate:
presentnotify: Reiniciar apache2 # Tarefa: Criar o administrador da aplicaÃ§Ã£o leantime- name: "Cria o administrador da
aplicaÃ§Ã£o leantime"uri: url: http://localhost/installmethod: POST body_format: form-urlencoded body: email: "{ {
login_website } }" password: "{ { password_website } }" firstname: "{ { first_name_website } }" 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[?
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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[?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;admlcal@devOps: ~/leantime_ansibleadmlcal@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;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 necessÃria ao programa leantime]
***** ok: [ubuntu-20.04] TASK [leantime_ansible : Instala o serviÃço
apache2 no arranque do sistema] ***** ^C Aborted!
]0;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 ]0;admlcal@devOps: ~/leantime_ansibleadmlcal@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/admlcal/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 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.] ***** 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 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'}) 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 reposit rio git]
***** changed: [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]
***** changed: [ubuntu-20.04] TASK [leantime_ansible : Altera as
vari veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o m dulo 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 p sta /etc/apache2/sites-available] ***** changed: [ubuntu-20.04] TASK
[leantime_ansible : Cria um link simb lico para o ficheiro leantime.conf na pasta /etc/apache/sites-enabled]
***** changed: [ubuntu-20.04] TASK [leantime_ansible : Muda as permiss es 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 m dulo 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 reposit rio 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="#$3gr3d0$3cr3t0#"'}) TASK [leantime ansible : Copia o template do site para a p sta /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 [Vari veis]
***** ok:
[ubuntu-20.04] TASK [Simula o: Atualizar a cache do sistema]
***** ok: [ubuntu-20.04] TASK [teste: a
cache encontra-se actualizada?] *****
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 o: 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 o: 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
[Simula o: Ativa a op o file_uploads 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
[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 [Simula o: Obtem informa o sobre a pastas
/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 método 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 método 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 método 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 método mod_rewrite no apache] ***** ok: [ubuntu-20.04] TASK [Simulação: Activa o método 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
```