

```
[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)]
***** changed: [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':
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'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
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'dbDatabase="leantime_database"'}) changed: [ubuntu-20.04] => (item={'regex': 'dbPassword=""', 'line':
'dbPassword="#$3gr3d0S3cr3t0#"'}) PLAY RECAP
*****
ubuntu-20.04 : ok=14 changed=3 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0 [0;admlcal@devOps:
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Copia o ficheiro de configura  o configuration.sample.php] *****
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ubuntu-20.04 : ok=14 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0 CRITICAL Idempotence test
failed because of the following tasks: * => leantime_ansible : Copia o ficheiro de configura  o configuration.sample.php
* => leantime_ansible : Altera as vari veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o
m dulo replace. * => leantime_ansible : Altera as vari veis dbuser, dbpassword e dbdatabase no ficheiro
configuration.php utilizando o m dulo replace. * => leantime_ansible : Altera as vari veis dbuser, dbpassword e
dbdatabase no ficheiro configuration.php utilizando o m dulo replace. ]0;admlocal@devOps:
~/leantime ansibleadmlocal@devOps:~/leantime ansible$ nano tasks/tasks.yml [?2004h[?1049h[?7h[?1h=[?25l[ A
ler... ] [ 147 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
ou 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 }}"regexp:
"{{ item.regexp }}"line: "{{ item.line }}" [?12l[?25h[?25lregexp: "{{ item.regexp }}"line: "{{ item.line
}}"with_items:regexp: "^file_uploads" line: "file_uploads = 1"regexp: "^upload_max_filesize" line: "upload_max_filesize =
1G"regexp: "^max_file_uploads" line: "max_file_uploads = 20"regexp: "^post_max_size" line: "post_max_size = 2G"regexp:
"^memory_limit" 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- name: Cria a directoria tempor ria 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, p gina 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"mysql_user:namlogin leantime }}" [?12l[?25h[?25lmysql user:namlogin leantime }}" password: "{{
password leantime }}"priv: "leantime_database.*:ALL"host: localhoststate: present - name: "Faz o download do software
leantime a partir do reposit rio git"get_url:url: https://github.com/Leantime/leantime/releases/download/{{
versao_leantime }}/Leantime-{{ versao_leantime }}.zipdest: /tmp/leantimemode: 0755 # 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" owner: www-datagroup: www-datamode: 0755remote_src: true # Ap s
a descompress o, se o ficheiro configuration.php n o 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 configura  o configuration.sample.phpansible.builtin.copy: src:
/var/www/leantime/config/configuration.sample.php dest: /var/www/leantime/config/configuration.php owner: www-
datagroup: www-data mode: '0755' remote_src: true [?12l[?25h[?25l remote_src: true # Fonte:
https://docs.ansible.com/ansible/latest/collections/ansible/builtin/replace_module.html- name: Altera as vari veis dbuser,
dbpassword e dbdatabase no ficheiro configuration.php utilizando o m dulo replace.ansible.builtin.replace:path:
/var/www/leantime/config/configuration.phpregexp: "{{ item.regexp }}" replace: "{{ item.line }}"with_items:- regexp:
'dbUser="" line: 'dbUser="{{ login leantime }}"'- regexp: 'dbDatabase="" line: 'dbDatabase="leantime_database"' -
regexp: 'dbPassword="" line: 'dbPassword="{{ password leantime }}"' [?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?
12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25lmysql user:name: "{{ login leantime }}" password: "{{
password leantime }}" priv: "leantime_database.*:ALL" host: localhoststate: present - name: "Faz o download do software
leantime a partir do reposit rio git"get_url:url: https://github.com/Leantime/leantime/releases/download/{{
versao_leantime }}/Leantime-{{ versao_leantime }}.zipdest: /tmp/leantimemode: 0755 # 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"owner: www-datagroup: www-datamode: 0755remote_src: true # Ap s a
descompress o, se o ficheiro configuration.php n o 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 configura  o configuration.sample.phpansible.builtin.copy:src:
/var/www/leantime/config/configuration.sample.phpdest: /var/www/leantime/config/configuration.phpowner: www-
datagroup: www-datamode: '0755'remote_src: true [?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[?
25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l[?12l[?25h[?25l78 #
Fonte: https://docs.ansible.com/ansible/latest/collections/ansible/builtin/replace_module.html [?12l[?25h[?25l78 - name:
Altera as vari veis dbuser, dbpassword e dbdatabase no ficheiro configuration.php utilizando o m dulo replace. [?12l[?
25h[?25l78 ansible.builtin.replace: [?12l[?25h[?25l78 path: /var/www/leantime/config/configuration.php [?12l[?25h[?25l78
regexp: "{{ item.regexp }}" [?12l[?25h[?25l78 replace: "{{ item.line }}" [?12l[?25h[?25l78 with_items: [?12l[?25h[?25l78
[?12l[?25h[?25l[?12l[?25h[?25lModificadoM[?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[?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 Seguran aC Cancelar M-M Formato MacM-P Prepor ^T P/ ficheiros Nome do
ficheiro onde escrever: tasks/tasks.yml [?12l[?25h[?25l [ A escrever... ] [ 148 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[?25l[?12l[?25h[?25l[?1049l [?11>[?
2004l]0;admlocal@devOps: ~/leantime ansibleadmlocal@devOps:~/leantime ansible$ molecule converge INFO default

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scenario test matrix: dependency, create, prepare, converge INFO Performing prerun... INFO Using
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ok: [ubuntu-20.04] => (item={'regex': '^post_max_size', 'line': 'post_max_size = 2G'}) ok: [ubuntu-20.04] => (item=
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'dbPassword="#S3gr3d0S3cr3t0#"'}) PLAY RECAP  
*****  
ubuntu-20.04 : ok=14 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0 INFO Idempotence completed  
successfully. j0;admlocal@devOps: ~/leantime_ansibleadmlocal@devOps:~/leantime_ansible$ exit exit
```