```
jarvis:labstack jefferson$ ls
build-ubuntu-cell-agent.sh        templates
config.sh
jarvis:labstack jefferson$ ./build-ubuntu-cell-agent.sh


                              /~\
                              |o o)      Ouch! Pay attention to what you're doing!
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             ___         #   /  _  \   #
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This script must be run as root.

jarvis:labstack jefferson$ sudo ./build-ubuntu-cell-agent.sh
Password:


-----------------------------------------------------------------------------


   Build Ubuntu Config for Cell Agent VM

   @package jeffersonmartin/pink-scripts/labstack/build-ubuntu-cell-agent.sh
   @author  github.com/jeffersonmartin


-----------------------------------------------------------------------------


   This script will deploy the following Labstack services:
   Labstack Administration: Admin UI, Job Controller
   Cell Services: Router, Web Server, Database, File Server, DHCP, DNS

   defining variables from config.sh. does this look correct?
   cell #:     1
   rack #s:    11 12 13 14 15 16

   press CTRL+C to abort the mission within 10 seconds
   10...9...8...7...6...5...4...3...2...1...

   in the words of Lando Calrissian, here goes nothing!


-----------------------------------------------------------------------------
```

```
/etc/hostname
hostname set as cell1-agent
hostname configured

/etc/network/interfaces
eth0 configured for v1000_OOB
    ip address        10.100.10.1 /16
    interface down...up
eth1 configured for v1100_CELL
    ip address        10.110.0.1 /16
    dns server        10.110.0.1 (cell1-agent)
    dns domain        cell1.labstack.local
    interface down...up
eth2 configured for v2000_WEB
    ip address        10.200.10.1 /16
    dns server        8.8.8.8 (google)
    dns server        208.67.222.222 (opendns)
    interface down...up
network interfaces configured

/etc/sysctl.conf
ip forwarding (routing) enabled


------------------------------------------------------------------------
    aptitude packages
------------------------------------------------------------------------

apt-get update
aptitude repositories updated

apt-get upgrade
existing aptitude packages upgraded

apt-get install open-vm-tools
open-vm-tools package and dependencies installed

apt-get install htop
htop package and dependencies installed

apt-get install expect
expect package and dependencies installed

apt-get install git
git package and dependencies installed

apt-get install apache2
apache2 package and dependencies installed
```

```
apt-get install php5
php5 package and dependencies installed

apt-get install php5-mysql
php5-mysql package and dependencies installed

apt-get install php5-mcrypt
php5-mcrypt package and dependencies installed

apt-get install mysql-client
mysql-client package and dependencies installed

apt-get install mysql-server
mysql-server package and dependencies installed

apt-get install samba
samba package and dependencies installed

apt-get install isc-dhcp-server
isc-dhcp-server package and dependencies installed

apt-get install bind9
bind9 package and dependencies installed



------------------------------------------------------------------------
    apache2 & php configuration
------------------------------------------------------------------------

/etc/apache2/mod-available
alias module enabled
ldap module enabled
php5 module enabled
rewrite module enabled
sed module enabled
ssl module enabled
vhost_alias module enabled
apache modules enabled

creating directory structure
created /srv/labstack
created /srv/labstack/apache
created /srv/labstack/apache/admin
created /srv/labstack/apache/script
created /srv/labstack/ssl
created /srv/labstack/mysql
created /srv/labstack/mysql/backup
```

```
created /srv/labstack/file
created /srv/labstack/file/public
created /srv/labstack/file/private
labstack directories created


/etc/apache2/sites-available/
created virtual host configuration file labstack.conf
virtual host config created for http://admin.cell1.labstack.local
virtual host config created for https://admin.cell1.labstack.local
virtual host config created for http://file.cell1.labstack.local
virtual host config created for http://script.cell1.labstack.local
virtual host configuration enabled
virtual hosts configured


/srv/labstack/ssl/
directory created
copied pre-created self-signed certificate to directory
copied pre-created self-signed private key to directory
self-signed ssl certificates created


/etc/php5/mod-available
mcrypt module enabled
mysql module enabled
mysqli module enabled
php modules enabled


/etc/php5/apache2/php.ini
short_open_tag set to on
php configuration updated


restarting apache2 service
apache2 service restarted


----------------------------------------------------------------------
    mysql configuration
----------------------------------------------------------------------


mysql_secure_installation
couldn't execute "mysql_secure_installation": no such file or directory
    while executing
"spawn mysql_secure_installation"
mysql_secure_installation complete


creating mysql databases and users
labstack_db database created
labstack_admin user created with password L@bStack!
labstack_admin user granted privileges to labstack_db table
labstack_apache user created
```

```
labstack_apache user granted privileges to labstack_db table
labstack_cron user created
labstack_cron user granted privileges to labstack_db table
databases and users created

creating scheduled backups
backup script created
cron job scheduled for daily backup at 11:00pm (23:00 hrs)
backups are located in /srv/labstack/mysql/backup/
database backup scheduled


------------------------------------------------------------------------
    samba file server configuration
------------------------------------------------------------------------

/etc/samba
created new smb.conf configuration file

created public fileshare
available via \\file.cell1.labstack.local\public
available via http://file.cell1.labstack.local
available via [sftp] labstack:L@bStack!@file.cell1.labstack.local:/srv/labstack/file/public/

created private cifs fileshare
available via \\file.cell1.labstack.local\private
available via http://file.cell1.labstack.local:8080
available via [sftp] labstack:L@bStack!@file.cell1.labstack.local:/srv/labstack/file/private/

created users cifs fileshare
available via \\file.cell1.labstack.local\users
available via [sftp] labstack:L@bStack!@file.cell1.labstack.local:/srv/labstack/file/users/

samba configuration complete

restarting samba service
samba service restarted


------------------------------------------------------------------------
    dhcp server configuration
------------------------------------------------------------------------

/etc/dhcp
created new dhcpd.conf configuration file
providing leases for v1100_CELL
    starting ip       10.110.211.2 /16
    ending ip         10.110.239.2 /16
    dns servers       10.110.0.1
```

```
                      10.110.0.251
   domain suffix      cell1.labstack.local
   gateway            10.110.0.1
generated dhcp reservations file
```
dhcp configuration complete

restarting dhcp service
dhcp service restarted

----
   dns server configuration

/etc/bind
@todo
dns configuration complete

restarting dns service
dns service restarted

----
   laravel configuration
----

install php composer
@todo
complete

git clone bridgedlabs/laravel
@todo
complete

add bridgedlabs/labstack-admin to composer file
@todo
complete

compile laravel for https://admin.cell1.labstack.local
@todo
complete

git clone bridgedlabs/lumen
@todo
complete

add bridgedlabs/labstack-script to composer file
@todo
complete

compile lumen for http://script.cell1.labstack.local:8080
@todo
complete

build database using laravel migration
@todo
complete

You can use the web interface to configure your environment.
https://admin.cell1.labstack.local
Username: admin
Password: labstack

----
    script complete
    please reboot to complete the installation
----

jarvis:labstack jefferson$