

Sheth L.U.J. College Of Arts & Sir M.V. College of Science & Commerce  
Department Of Science  
Jayesh mali T084 Pract\_ 10 cloud Computing

The image displays two screenshots of a VMware Workstation window titled 'jayesh - VMware Workstation'. The virtual machine is running Ubuntu 20.04 LTS, with the desktop background showing a purple and red geometric pattern. The terminal window is open, showing the user 'jayeshmali' at the prompt 'jayeshmali@jayeshmali:~\$'. The user enters 'sudo -i' to become root. Then, they enter 'echo "stack ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers' to configure sudo access. After logging out, they run 'sudo apt-get install git'. The terminal shows the package lists, dependency tree, and state information. It indicates that 'git-man' and 'liberror-perl' will be installed along with 'git'. The user confirms the installation with 'y'. The second screenshot shows the terminal output for the installation of 'git-man' and 'liberror-perl'. It details the unpacking of the packages and the setting up of the triggers. Finally, the user runs 'git clone https://git.openstack.org/openstack-dev/devstack', and the terminal shows the progress of cloning the repository, including the number of objects and the size of the data transferred.

```
jayeshmali@jayeshmali:~$ sudo -i
[sudo] password for jayeshmali:
root@jayeshmali:~# echo "stack ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers
root@jayeshmali:~# exit
logout
jayeshmali@jayeshmali:~$ sudo apt-get install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 399 not upgraded.
Need to get 4,147 kB of archives.
After this operation, 21.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.1
```

```
(Reading database ... 199416 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1:2.34.1-1ubuntu1.10_all.deb ...
Unpacking git-man (1:2.34.1-1ubuntu1.10) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1:2.34.1-1ubuntu1.10_and64.deb ...
Unpacking git (1:2.34.1-1ubuntu1.10) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.34.1-1ubuntu1.10) ...
Setting up git (1:2.34.1-1ubuntu1.10) ...
Processing triggers for man-db (2.10.2-1) ...
jayeshmali@jayeshmali:~$ git clone https://git.openstack.org/openstack-dev/devstack
Cloning into 'devstack'...
warning: redirecting to https://opendev.org/openstack/devstack/
remote: Enumerating objects: 50692, done.
remote: Counting objects: 100% (30828/30828), done.
remote: Compressing objects: 100% (10278/10278), done.
remote: Total 50692 (delta 30080), reused 20550 (delta 20550), pack-reused 19864
Receiving objects: 100% (50692/50692), 9.50 MiB | 2.16 MiB/s, done.
Resolving deltas: 100% (30082/30082), done.
jayeshmali@jayeshmali:~$
```

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The first screenshot shows the initial setup of the DevStack environment. The terminal window displays the following commands and output:

```
jayeshmali@jayeshmali:~$ git init local.conf
jayeshmali@jayeshmali:~$ cd devstack
jayeshmali@jayeshmali:~/devstack$ git init local.conf
```

The 'local.conf' file is open in a text editor, showing the configuration for the DevStack environment. The configuration includes the following variables:

```
21 # -----
22
23 While "stack.sh" is happy to run without "localrc", devlife is better when
24 there are a few minimal variables set:
25
26 If the "PASSWORD" variables are not set here you will be prompted to enter
27 values for them by "stack.sh" and they will be added to "local.conf".
28 ADMIN_PASSWORD=jayesh
29 DATABASE_PASSWORD=jayesh
30 RABBIT_PASSWORD=jayesh
31 SERVICE_PASSWORD=jayesh
32
33 HOST_IP=192.168.137.134
34 FLOATING_RANGE=192.168.0.0/24
35
36
37 # "HOST_IP" and "HOST_IPV6" should be set manually for best results if
38 # the NIC configuration of the host is unusual, i.e. "eth1" has the default
39 # route but "eth0" is the public interface. They are auto-detected in
40 # "stack.sh" but often is indeterminate on later runs due to the IP moving
41 # from an Ethernet interface to a bridge on the host. Setting it here also
42 # makes it available for "openrc" to include when setting "OS_AUTH_URL".
43 # Neither is set by default.
44 #HOST_IP=x.y.z
45 #HOST_IPV6=2001:db8::7
46
47
48 # Logging
49 # -----
50
51 By default "stack.sh" output only goes to the terminal where it runs. It can
52 be configured to additionally log to a file by setting "LOGFILE" to the full
53 path of the destination log file. A timestamp will be appended to the given name.
54 LOGFILE=SDTEST/logs/stack.sh.log
55
56 Old log files are automatically removed after 2 days to keep things neat. Change
57 the number of days by setting "LOGDAYS".
```

The second screenshot shows the output of the DevStack installation process. The terminal window displays the following information:

```
jayeshmali@jayeshmali:~/devstack$ ./stack.sh
This is your host IP address: 192.168.137.134
This is your host IPv6 address: ::1
Horizon is now available at http://192.168.137.134/dashboard
Keystone is serving at http://192.168.137.134/identity/
The default users are: admin and demo
The password: jayesh

Services are running under systemd unit files.
For more information see:
https://docs.openstack.org/devstack/latest/systemd.html

DevStack Version: 2024.2
Change: fca44cc37657d3d3a26f16c5c04574c6234376 Merge "Do not configure system-
scope admin for keystone" 2024-04-03 19:57:45 +0000
OS Version: Ubuntu 22.04 jammy

jayeshmali@jayeshmali:~/devstack$
```

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