DevOps Lab

LDAP

Home tasks

Screenshots with results:

Result for #getent password (it was checked during local execution):

```
[root@Client ~]# getent passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89:/var/spool/postfix:/sbin/nologin
chrony:x:998:996::/var/lib/chrony:/sbin/nologin
nastassia_rabeichykava:x:1000:1000:nastassia_rabeichykava:/home/nastassia_rabeichykava:/bin/bash
nscd:x:28:28:NSCD Daemon:/:/sbin/nologin
nslcd:x:65:55:LDAP Client User:/:/sbin/nologin
my_user:x:1005:1005:my_user:/home/my_user:/bin/bash
[root@Client ~]#
```

Result for access with password (it was checked during local execution):

```
my_user@Client:~                                                    —  □  ×
login as: my_user
my_user@192.168.100.102's password:
Last login: Wed Sep  9 07:19:21 2020 from gateway
[my_user@Client ~]$                 ←         Access wirh password
```

Result for access with key (it was checked during cloud execution via Terraform):

Ldap-client has External IP and Private IP.

Ldap-server has only Private IP.

```
google_compute_router.router: Creating...
google_compute_instance.ldap-server: Creating...
google_compute_router.router: Still creating... [10s elapsed]
google_compute_instance.ldap-server: Still creating... [10s elapsed]
google_compute_router.router: Creation complete after 13s [id=projects/devops-lab-2020/regions/us-central1/routers/my-router]
google_compute_router_nat.nat: Creating...
google_compute_instance.ldap-server: Creation complete after 15s [id=projects/devops-lab-2020/zones/us-central1-c/instances/ldap-server]
google_compute_instance.ldap-client: Creating...
google_compute_router_nat.nat: Still creating... [10s elapsed]
google_compute_instance.ldap-client: Still creating... [10s elapsed]
google_compute_instance.ldap-client: Creation complete after 16s [id=projects/devops-lab-2020/zones/us-central1-c/instances/ldap-client]
google_compute_router_nat.nat: Still creating... [20s elapsed]
google_compute_router_nat.nat: Creation complete after 24s [id=devops-lab-2020/us-central1/my-router/my-router-nat]

Apply complete! Resources: 4 added, 0 changed, 0 destroyed.

Outputs:

Client_External_IP = ssh -i <your key> my_user@35.202.0.130
[root@CentOS task2]# cd
[root@CentOS ~]# ssh -i ldap my_user@35.202.0.130
The authenticity of host '35.202.0.130 (35.202.0.130)' can't be established.
ECDSA key fingerprint is SHA256:LNd3aF9v1qWx3Fwbcw6ncbpIbabnghb3ZWdu4YYIyJE.
ECDSA key fingerprint is MD5:25:fb:6e:a7:c3:d3:e8:ea:ab:94:de:4b:b8:4a:7e:0b.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '35.202.0.130' (ECDSA) to the list of known hosts.
Enter passphrase for key 'ldap':
Creating directory '/home/my_user'.
[my_user@ldap-client ~]$
```