

S_AWS_03

Networking In AWS

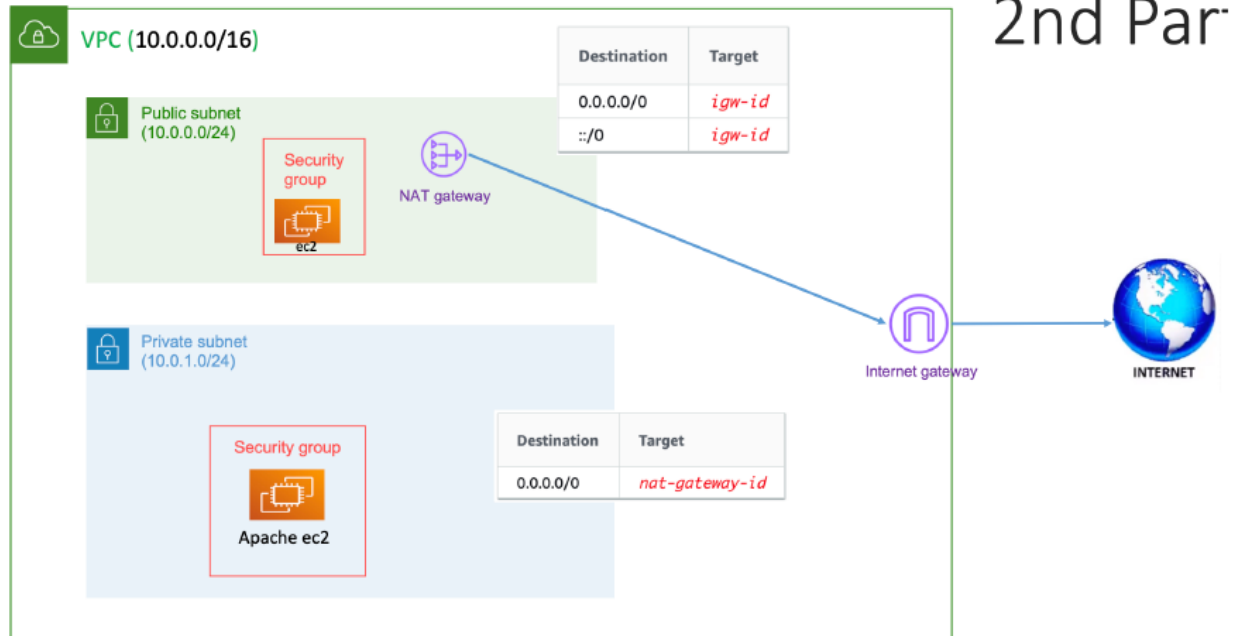
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AWS – DEVOPS



Required:

Screenshot from the instance page demonstrate that the instance is private and a screenshot

from the logs of the instance demonstrate the apache2 is installed.



Private Subnet with NAT route:

The screenshot shows the AWS Management Console interface for the 'Subnets' page. The left sidebar contains navigation links for VPC dashboard, EC2 Global View, and various VPC services. The main content area shows a list of subnets with columns for Name, Subnet ID, State, VPC, and IPv4 CIDR. Two subnets are listed: Subnet2-Lab2 (subnet-049c4c18b1974e8fb) and Subnet1-Lab2 (subnet-06000254eeea160d5), both in an 'Available' state. Below the list, the route table 'rtb-046dd415906466ee8 / RT-Private-Lab2' is displayed, showing two routes: a local route for 10.0.0.0/16 and a NAT route for 0.0.0.0/0 pointing to a NAT gateway.

Name	Subnet ID	State	VPC	IPv4 CIDR
Subnet2-Lab2	subnet-049c4c18b1974e8fb	Available	vpc-008687b4d2684effe VPC...	10.0.1.0/24
Subnet1-Lab2	subnet-06000254eeea160d5	Available	vpc-008687b4d2684effe VPC...	10.0.0.0/24

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	nat-0fddbf55ed32b88be

System Logs from the Instance (Private Subnet) Apache Status:

The screenshot shows the AWS Management Console interface for the 'Get system log' page. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, and various EC2 services. The main content area shows a list of system logs for instance i-09d0253e6ead750f4. The 'System log' is selected, showing a list of logs with columns for Name, Subnet ID, State, VPC, and IPv4 CIDR. The log content shows the installation of Apache2 and its status.

```
[ 28.821389] cloud-init[1206]: Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [252 B]
Starting @0;1;39mPackageKit Daemon@0m...
[0;0;32m OK @0m] Started @0;1;39mPackageKit Daemon@0m...
[ 36.222191] cloud-init[1206]: Fetched 25.1 MB in 5s (4667 kB/s)
[ 37.114756] cloud-init[1206]: Reading package lists...
[ 37.194854] cloud-init[1206]: Reading package lists...
[ 37.403321] cloud-init[1206]: Building dependency tree...
[ 37.413354] cloud-init[1206]: Reading state information...
[ 37.561493] cloud-init[1206]: The following additional packages will be installed:
[ 37.569941] cloud-init[1206]: apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1
[ 37.578691] cloud-init[1206]: libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support
[ 37.589289] cloud-init[1206]: ssl-cert
[ 37.597163] cloud-init[1206]: Suggested packages:
[ 37.605166] cloud-init[1206]: apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
[ 37.621302] cloud-init[1206]: bzip2-doc
[ 37.629273] cloud-init[1206]: The following NEW packages will be installed:
[ 37.641348] cloud-init[1206]: apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1
[ 37.652663] cloud-init[1206]: libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support
[ 37.659517] cloud-init[1206]: ssl-cert
```

