

# Creating instances and installing nginx and apply to ALB

- Creating three instances and installing Nginx in 3 servers

Instances (3) Info								
<input type="text" value="Find Instance by attribute or tag (case-sensitive)"/>					All states ▾		< 1 > ⚙	
<input type="checkbox"/>	Name ↗	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IP v4
<input type="checkbox"/>	alb-1	i-035d0b2c713166e72	Running 🔍	t2.micro	2/2 checks passed	View alarms +	us-east-2a	ec2-3-17-1
<input type="checkbox"/>	alb-2	i-08eb1c9afebf063da	Running 🔍	t2.micro	2/2 checks passed	View alarms +	us-east-2b	ec2-3-20-2
<input checked="" type="checkbox"/>	alb-3	i-0afc1293b9407d459	Running 🔍	t2.micro	2/2 checks passed	View alarms +	us-east-2c	ec2-18-22:

```
root@ip-172-31-2-155 ~# systemctl restart nginx
root@ip-172-31-2-155 ~# systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: disabled)
   Active: active (running) since Thu 2024-07-04 05:16:58 UTC; 12s ago
     Process: 3362 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
     Process: 3365 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
     Process: 3396 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
   Main PID: 3409 (nginx)
      Tasks: 2 (limit: 1114)
     Memory: 3.7M
        CPU: 55ms
    CGroup: /system.slice/nginx.service
            └─3409 *nginx: master process /usr/sbin/nginx"
               └─3410 "nginx: worker process"
```

```
Jul 04 05:16:58 ip-172-31-2-155.us-east-2.compute.internal systemd[1]: Starting nginx.service - The nginx HTTP and reverse proxy server...
Jul 04 05:16:58 ip-172-31-2-155.us-east-2.compute.internal nginx[3365]: nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
Jul 04 05:16:58 ip-172-31-2-155.us-east-2.compute.internal nginx[3365]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Jul 04 05:16:58 ip-172-31-2-155.us-east-2.compute.internal systemd[1]: Started nginx.service - The nginx HTTP and reverse proxy server.
root@ip-172-31-2-155 ~#
```

i-035d0b2c713166e72 (alb-1)

PublicIPs: 3.17.179.227 PrivateIPs: 172.31.2.155

```
https://aws.amazon.com/linux/amazon-linux-2023

ec2 login: Wed Jul 3 09:26:11 2024 from 3.16.146.3
(ec2-user@ip-172-31-30-15 ~)$ sudo -i
root@ip-172-31-30-15 ~# systemctl restart nginx
root@ip-172-31-30-15 ~# systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: disabled)
   Active: active (running) since Thu 2024-07-04 05:17:22 UTC; 14s ago
     Process: 3450 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
     Process: 3451 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
     Process: 3452 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
   Main PID: 3453 (nginx)
      Tasks: 2 (limit: 1114)
     Memory: 3.7M
        CPU: 56ms
    CGroup: /system.slice/nginx.service
            └─3453 *nginx: master process /usr/sbin/nginx"
               └─3454 "nginx: worker process"
```

```
Jul 04 05:17:21 ip-172-31-30-15.us-east-2.compute.internal systemd[1]: Starting nginx.service - The nginx HTTP and reverse proxy server...
Jul 04 05:17:21 ip-172-31-30-15.us-east-2.compute.internal nginx[3451]: nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
Jul 04 05:17:21 ip-172-31-30-15.us-east-2.compute.internal nginx[3451]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Jul 04 05:17:22 ip-172-31-30-15.us-east-2.compute.internal systemd[1]: Started nginx.service - The nginx HTTP and reverse proxy server.
root@ip-172-31-30-15 ~#
```

i-08eb1c9afebf063da (alb-2)

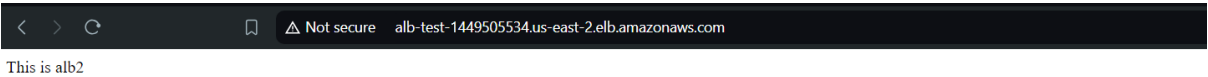
PublicIPs: 3.20.205.24 PrivateIPs: 172.31.30.15



This is web server 1



This is web server 2



This is web server 3

