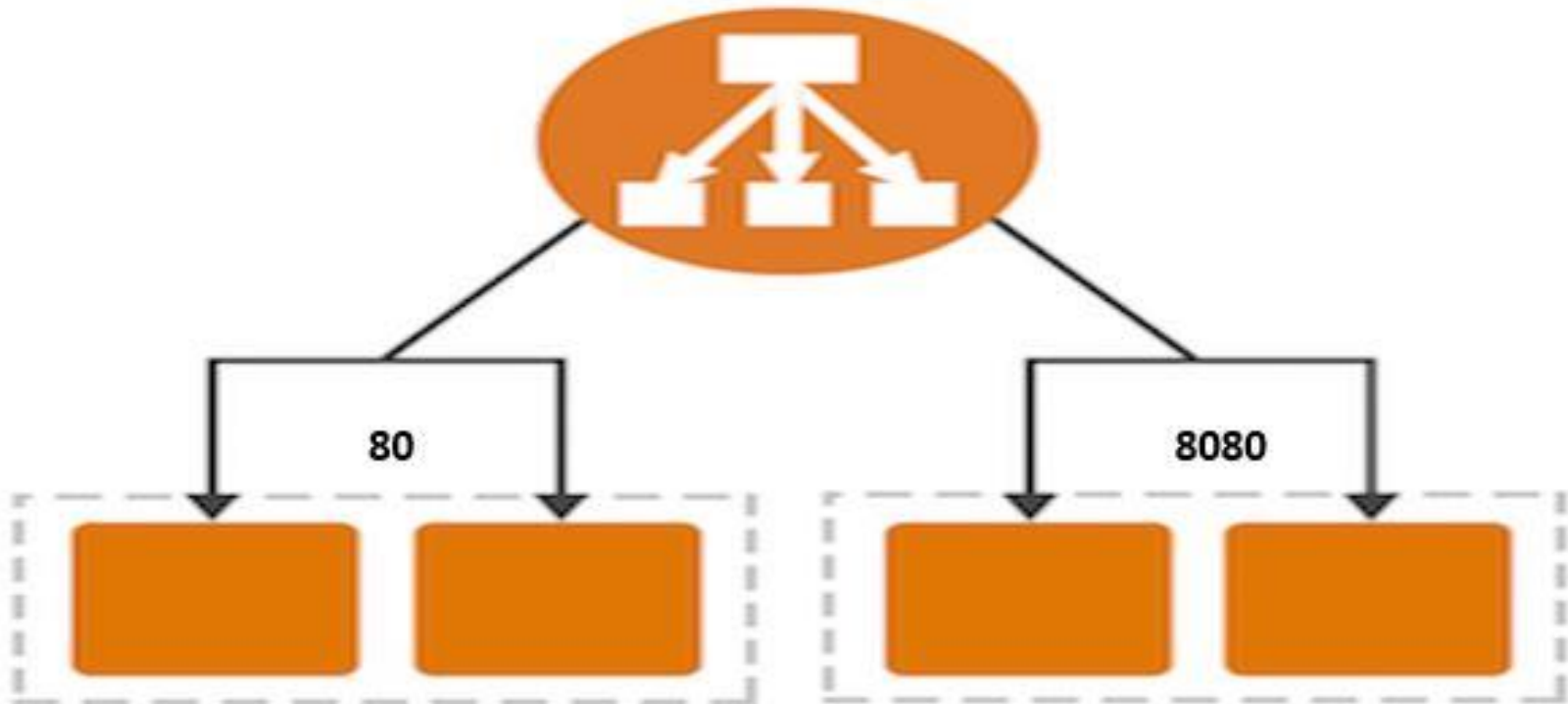# Amazon Web Services

Network Load Balancer

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Network Load Balancer

- Network Load Balancer routing traffic to targets based on the port number. It has the capability to respond to millions of request every second.

Network Load Balancer

- Create First Linux EC2 Machine

- Bootstrap Script Code: **Click Here**

- Enable the Type as HTTP

- Create Second Linux EC2 Machine

- Bootstrap Script Code: **Click Here**

- Enable the Type as HTTP

- Enable Custom TCP Type & Change the Port Range to 8080

- Now Check the Public IP Address for both the Machines

- Add :8080 Port number for Second EC2 Machine

Network Load Balancer

- Connect Second EC2 Machine using Putty

- Change the User

sudo su

- Change folder

cd /etc/httpd/conf

- Edit httpd.conf file

vi httpd.conf

Network Load Balancer

- Convert file into insert mode by pressing i

- Change Listen to 8080

- Save the file

Press ESC

:wq!

- Restart the server

service httpd restart

Network Load Balancer

- Create Target Group

Load Balancing	➡	Target Groups

- Click on Create target group

- Enter the name of Target Group Name

- Change Protocol to TCP & Port number needs to be 80 for the first Machine

- Click on Next

- Add first Machine as Target

- Click on Create target group

- Create Target group for Second Machine Enter port number as 8080

Network Load Balancer

- Create Network Load balancer

| Load Balancing | ➡ | Load Balancers |

- Click on Create For Network Load balancer

- Enter the name of Load balancer

- Map all the subnet

- Select Listener & Target group

- Click on Create load balancer

Network Load Balancer

- Now check our load balancer

- Go to Listeners tab

- Click on Add Listener

- Change port number to 8080

- Add Action to Forward to

- Select Second Machine

- Click on Add Listener

- Now Copy the DNS Name

Product Comparisons

- We can select the appropriate load balancer based on our application needs. If we need flexible application management, we recommend that we use an Application Load Balancer. If extreme performance and static IP is needed for our application, we recommend that we use a Network Load Balancer. If we have an existing application that was built within the EC2-Classic network, then we should use a Classic Load Balancer.

- Click Here

Thank You!

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