NGINX Installation and Configuration

**Step 1**: Install nginx in your machine (eg:Ubuntu).

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| sudo apt-get install nginx |

**Step 2**: Run three applications in your machines (eg:spring-boot-application) running in three different ports.

Let us assume we have three applications running in 0.0.0.0:8080, 0.0.0.0:8081 and 0.0.0.0:8082.

**Step 3**: Now, configure these three applications in you nginx.conf file, so that when we start nginx it will load balance these three ips we configured. Ie, first it will hit 0.0.0.0:8080 then 0.0.0.0:8081 and 0.0.0.0:8082 in roundrobin manner by default.

Your nginx.conf file should look like 🡪

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| nginx.conf |
| worker\_processes 1;  events { worker\_connections 1024; }  http {  upstream servers{  server 0.0.0.0:8080;  server 0.0.0.0:8081;  server 0.0.0.0:8082;  }  server {  listen 80;  location / {  proxy\_pass http://servers;  }  }  } |

In the server part you can configure your ips and port.

Step 4: Start the nginx application.

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| service nginx start |

You can check the nginx status by🡪

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| service nginx status |

If you see the status as running, go to the browser and access the nginx application by🡪

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| http://localhost:80 |

By default nginx runs in port 80.

Internally nginx will access the three applications running on various port one by one in round robin manner.