



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



Placement Empowerment Program

Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

Day 16 : Install and Configure Nginx as an LBR

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Install and Configure Nginx as an LBR

Objective :

Configure the Nginx load balancer on **stlb01** to forward requests correctly to Apache servers. The issue was that Apache was running on port **3000** instead of **8086**, which caused a 502 Bad Gateway.

Steps Performed :

- **Log in to the load balancer server**
 - ssh loki@stlb01
 - **Update Nginx upstream ports from 8086 to 3000**
 - sudo sed -i 's/8086/3000/g' /etc/nginx/nginx.conf
 - **Validate Nginx configuration**
 - sudo nginx -t
 - **Restart Nginx service**
 - sudo systemctl restart nginx
 - **Test load balancer access**
 - curl http://stlb01
-  You should now see the application response instead of 502 Bad Gateway.

