**Create an Express Server**

**Revision History**:

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| --- | --- | --- | --- |
| Author | Description | Date | Version |
| Robert Chin | Initial Document Creation | 4/12/20 | V0.1 |

**Prerequisites**:

1. Virtual Machine or Physical Server running Ubuntu 16.04 for LB
2. 2 x Virtual Machines with Express Server(s) (with HTTPS/TLS on 443 enabled)

**Procedures**:

1. Follow instructions to create Nginx LB from previous document here to create Nginx LB.

[**https://github.com/PrepareYourMeal/docs/raw/master/Deployment%20Procedures/Create%20a%20Nginx%20LB%20for%20React%20Applications.docx**](https://github.com/PrepareYourMeal/docs/raw/master/Deployment%20Procedures/Create%20a%20Nginx%20LB%20for%20React%20Applications.docx)

1. Edit your site-enabled configuration to point to the two Express servers

upstream www {

server 192.168.1.10:443; #express server 1

server 192.168.1.15:443; #express server 2

}

server {

listen 443;

server\_name 12.132.231.241;

ssl on;

ssl\_certificate /etc/nginx/ssl/server.crt;

ssl\_certificate\_key /etc/nginx/ssl/server.key;

location /server/1/ {

proxy\_pass https://192.168.1.10:443/;

}

location /server/2/ {

proxy\_pass https://192.168.1.15:443/;

}

location / {

proxy\_pass https://www;

}

}

NOTE: For debug purposes, the https://12.132.231.241/server/1/api can be used to target a specific server’s route