

How to apply HTTPS or SSL to System

1.If enable HTTPS with Certbot

- **Install Certbot:**

- `sudo apt install certbot python3-certbot-nginx -y`

- **Obtain an SSL certificate:**

- `sudo certbot --nginx -d verify.rupp.edu.kh`

2. If use own Certificate

- Make folder **letsencrypt-rupp** into **/etc** and past file **certificates_rupp**.
- And replace this code in nginx

- ```
server {
 server_name verify.rupp.edu.kh;

 location / {
 proxy_pass http://127.0.0.1:3000;
 proxy_http_version 1.1;
 proxy_set_header Upgrade $http_upgrade;
 proxy_set_header Connection 'upgrade';
 proxy_set_header Host $host;
 proxy_cache_bypass $http_upgrade;
 }

 listen 443 ssl; # managed by itc
 ssl_certificate /etc/letsencrypt-rupp/certificates_rupp/rupp.edu.kh.crt; # managed by itc
 ssl_certificate_key /etc/letsencrypt-rupp/certificates_rupp/rupp.edu.kh.key; # managed by itc
}

server {
```

```
if ($host = verify.rupp.edu.kh) {
 return 301 https://$host$request_uri;
} # managed by itc

server_name verify.rupp.edu.kh;

listen 80;
return 404; # managed by itc
}
```

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