

Kong

Kong

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(API )

Kong 



1. Kong

Linux

Ubuntu/Debian

```
#  Kong   
sudo apt-get update  
sudo apt-get install -y apt-transport-https curl  
echo "deb https://kong.bintray.com/kong-deb `lsb_release -sc` main" | sudo tee -a /etc/apt/sources.list  
curl -o bintray.key https://bintray.com/user/downloadSubjectPublicKey?username=bintray  
sudo apt-key add bintray.key  
sudo apt-get update  
  
#  Kong  
sudo apt-get install -y kong
```

CentOS/RHEL

```
#  Kong   
sudo yum install -y wget  
wget https://bintray.com/kong/kong-rpm/rpm -O bintray-kong-kong-rpm.repo  
sudo mv bintray-kong-kong-rpm.repo /etc/yum.repos.d/  
sudo yum update -y
```

```
# [] Kong
```

```
sudo yum install -y kong
```

[] Docker

```
# [] Docker []
```

```
docker network create kong-net
```

```
# [] PostgreSQL []
```

```
docker run -d --name kong-database \
```

```
--network=kong-net \
```

```
-p 5432:5432 \
```

```
-e POSTGRES_USER=kong \
```

```
-e POSTGRES_DB=kong \
```

```
-e POSTGRES_PASSWORD=kong \
```

```
postgres:9.6
```

```
# [] [] [] [] []
```

```
docker run --rm \
```

```
--network=kong-net \
```

```
-e "KONG_DATABASE=postgres" \
```

```
-e "KONG_PG_HOST=kong-database" \
```

```
-e "KONG_PG_PASSWORD=kong" \
```

```
kong:latest kong migrations bootstrap
```

```
# [] Kong
```

```
docker run -d --name kong \
```

```
--network=kong-net \
```

```
-e "KONG_DATABASE=postgres" \
```

```
-e "KONG_PG_HOST=kong-database" \
```

```
-e "KONG_PG_PASSWORD=kong" \
```

```
-e "KONG_PROXY_ACCESS_LOG=/dev/stdout" \
```

```
-e "KONG_ADMIN_ACCESS_LOG=/dev/stdout" \
```

```
-e "KONG_PROXY_ERROR_LOG=/dev/stderr" \
```

```
-e "KONG_ADMIN_ERROR_LOG=/dev/stderr" \
```

```
-e "KONG_ADMIN_LISTEN=0.0.0.0:8001, 0.0.0.0:8444 ssl" \
```

```
-p 8000:8000 \
```




```
-p 8443:8443 \
```

```
-p 8001:8001 \  
-p 8444:8444 \  
kong:latest
```

2. Kong



```
 /etc/kong/kong.conf 
```

```
#   
KONG_DATABASE=postgres #  cassandra  
KONG_PG_HOST=localhost  
KONG_PG_PORT=5432  
KONG_PG_USER=kong  
KONG_PG_PASSWORD=kong  
KONG_PG_DATABASE=kong  
  
#   
KONG_PROXY_LISTEN=0.0.0.0:8000, 0.0.0.0:8443 ssl  
KONG_ADMIN_LISTEN=0.0.0.0:8001, 0.0.0.0:8444 ssl
```





```
kong migrations bootstrap [-c /path/to/kong.conf]
```

Kong

```
kong start [-c /path/to/kong.conf]
```

3.

```
 Kong 
```

```
curl -i http://localhost:8001/
```

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4. □□□□

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```
curl -i -X POST \  
  --url http://localhost:8001/services/ \  
  --data 'name=example-service' \  
  --data 'url=http://mockbin.org'
```

□□□□

```
curl -i -X POST \  
  --url http://localhost:8001/services/example-service/routes \  
  --data 'hosts[]=example.com'
```

□□□□











```
curl -i -X GET \  
  --url http://localhost:8000/ \  
  --header 'Host: example.com'
```

5. □□□□□□□□

1. □□ **PostgreSQL** □□ □□□□□□□□
2. □□ **Kong** □□ □□ Kong □□□□□□□□
3. □□ **TLS**□□□□ SSL □□
4. □□□□ □□ Prometheus □ Datadog □□ Kong
5. □□□□ □□□□□□□□□□□□□□
6. □□□□□□ □□ Kong □□□□□□□□

6.

Kong 

-   Keycloak, JWT, OAuth2, Basic Auth
-   CORS, IP Restriction, Bot Detection
-   Rate Limiting, Request Size Limiting
-   Prometheus, Datadog
-   File Log, HTTP Log, TCP Log



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Revision #1

Created 27 May 2025 01:36:07 by Admin

Updated 27 May 2025 01:36:20 by Admin