

Kong

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API 

Kong 

1. (Basic Authentication)



```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=basic-auth" \  
  --data "config.hide_credentials=true"
```



```
curl -X POST http://localhost:8001/consumers \  
  --data "username=johndoe"
```



```
curl -X POST http://localhost:8001/consumers/johndoe/basic-auth \  
  --data "username=john" \  
  --data "password=doe"
```



```
curl -i -X GET http://localhost:8000/{route-path} \  
  -H "Authorization: Basic $(echo -n 'john:doe' | base64)"
```

2. JWT (JSON Web Tokens)

JWT

```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=jwt" \  
  --data "config.claims_to_verify=exp" \  
  --data "config.key_claim_name=kid"
```



```
curl -X POST http://localhost:8001/consumers \  
  --data "username=jwt-user"
```

JWT

```
curl -X POST http://localhost:8001/consumers/jwt-user/jwt
```

JWT

```
curl -i -X GET http://localhost:8000/{route-path} \  
  -H "Authorization: Bearer <JWT_TOKEN>"
```

3. OAuth2

OAuth2

```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=oauth2" \  
  --data "config.enable_authorization_code=true" \  
  --data "config.enable_client_credentials=true" \  
  --data "config.mandatory_scope=true" \  
  --data "config.scopes=email,phone,address" \  
  --data "config.token_expiration=7200"
```



```
curl -X POST http://localhost:8001/consumers \  
  --data "username=oauth2-user"
```

□□ OAuth2 □□

```
curl -X POST http://localhost:8001/consumers/oauth2-user/oauth2 \  
  --data "name=MyApp" \  
  --data "redirect_uris=http://myapp.com/callback" \  
  --data "client_id=CLIENT_ID" \  
  --data "client_secret=CLIENT_SECRET"
```



```
curl -X POST http://localhost:8000/{route-path}/oauth2/token \  
  --data "grant_type=client_credentials" \  
  --data "client_id=CLIENT_ID" \  
  --data "client_secret=CLIENT_SECRET" \  
  --data "scope=email"
```

4. Keycloak □□ (OpenID Connect)

□□ OIDC □□

```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=openid-connect" \  
  --data "config.issuer=https://keycloak.example.com/auth/realms/myrealm" \  
  --data "config.client_id=CLIENT_ID" \  
  --data "config.client_secret=CLIENT_SECRET" \  
  --data "config.auth_methods=authorization_code,bearer" \  
  --data "config.scopes=openid,profile,email" \  
  --data "config.redirect_uri=https://myapp.com/callback"
```

5. ACL

ACL




```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=acl" \  
  --data "config.allow=group1,group2" \  
  --data "config.hide_groups_header=true"
```

ACL

```
curl -X POST http://localhost:8001/consumers/{consumer}/acls \  
  --data "group=group1"
```

6.

Kong 

```
#   
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=basic-auth"  
  
#  JWT   
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=jwt" \  
  --data "config.anonymous=<anonymous-consumer-id>"
```

7.



```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=key-auth" \  
  --data "config.anonymous=<anonymous-consumer-id>"
```

□□□□ (CORS)

```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=cors" \  
  --data "config.origins=*" \  
  --data "config.methods=GET,POST" \  
  --data "config.headers=Accept,Authorization" \  
  --data "config.credentials=true"
```



```
curl -X POST http://localhost:8001/services/{service}/plugins \  
  --data "name=rate-limiting" \  
  --data "config.minute=5" \  
  --data "config.policy=local"
```

8. □□□□□□□□

1. □□ **HTTPS**□□□□□□□□
2. □□□□□ □□□ JWT □□□□ OAuth2 □□
3. □□□□□ □□□□□□□□
4. □□□□□ □□□□□□□□
5. □□ **WAF**□□□ Web □□□□□□□□
6. □□□□ □□□□□□□□

9. □□□□

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2 JWT

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3 OAuth2

- redirect_uri
- ID
-

API

Revision #1

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