- pigx 生成

```
{
    "access_token":"c79ad7c3-9ab1-472a-9c9f-ebcef9a517cd",
    "token_type":"bearer",
    "refresh_token":"0521360c-d028-4535-a454-ef61ce404bd8",
    "expires_in":41965,
    "scope":"server",
    "license":"made by pigx"
}
```

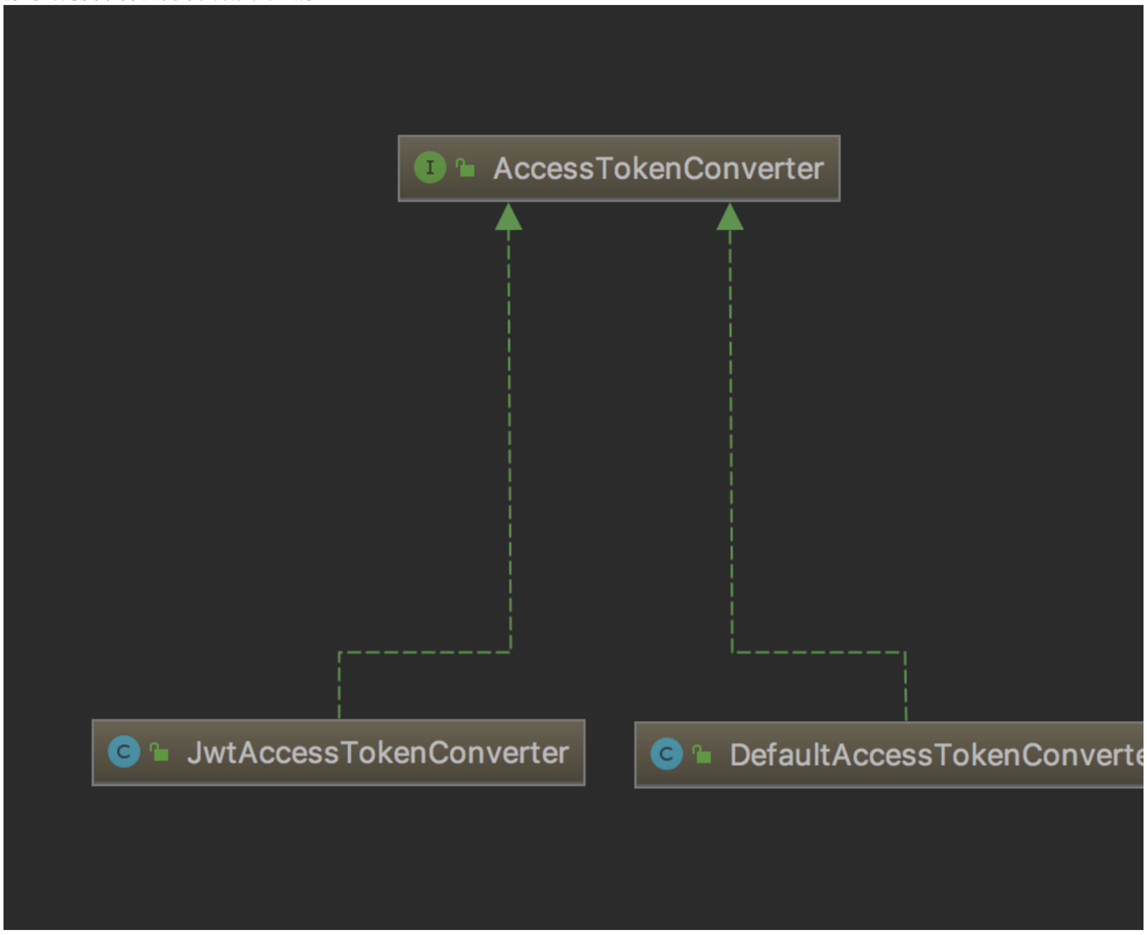
- pig 生成

```
{

"access_token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJsaWNlbnNlIjoibWFkZSBieSBwaWciLCJ1c2VyX25hbWUiOiJhZG1pbiIsInNjb3B
nZlciJdLCJleHAiOjE1NDMwMDg3OTgsInVzZXJJZCI6MSwiYXV0aG9yaXRpZXMiOlsiUk9MRV9BRE1JTiIsIlJPTEVfVVNFUiJdLCJqdGkiOiI5Njg0MTZjN
kM2YtYTUzZS1hN2ViOTUzMWFlNWEiLCJjbGllbnRfaWQiOiJwaWcifQ.-Ke8WdyfhvuJre3SMBxkAzmPtW0EtcGVlb9MlYNiQR8",
    "token_type":"bearer",

"refresh_token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJsaWNlbnNlIjoibWFkZSBieSBwaWciLCJ1c2VyX25hbWUiOiJhZG1pbiIsInNjb3
cnZlciJdLCJhdGkiOiI5Njg0MTZjNy05YTY1LTRkM2YtYTUzZS1hN2ViOTUzMWFlNWEiLCJleHAiOjE1NDU1NTc1OTgsInVzZXJJZCI6MSwiYXV0aG9yaXRp
9MRV9BRE1JTiIsIlJPTEVfVVNFUiJdLCJqdGkiOiI1MDE2NTdkMS1lM2VkLTQ1ODItYTVlYi1kNDU0ODIwYzg0MmUiLCJjbGllbnRfaWQiOiJwaWcifQ.uQ9
bRm177u6-oEPCO1pPPdSVW5EUTrz_o",
    "expires_in":40536,
    "scope":"server",
    "license":"made by pig",
    "userId":1,
    "jti":"968416c7-9a65-4d3f-a53e-a7eb9531ae5a"
}
```

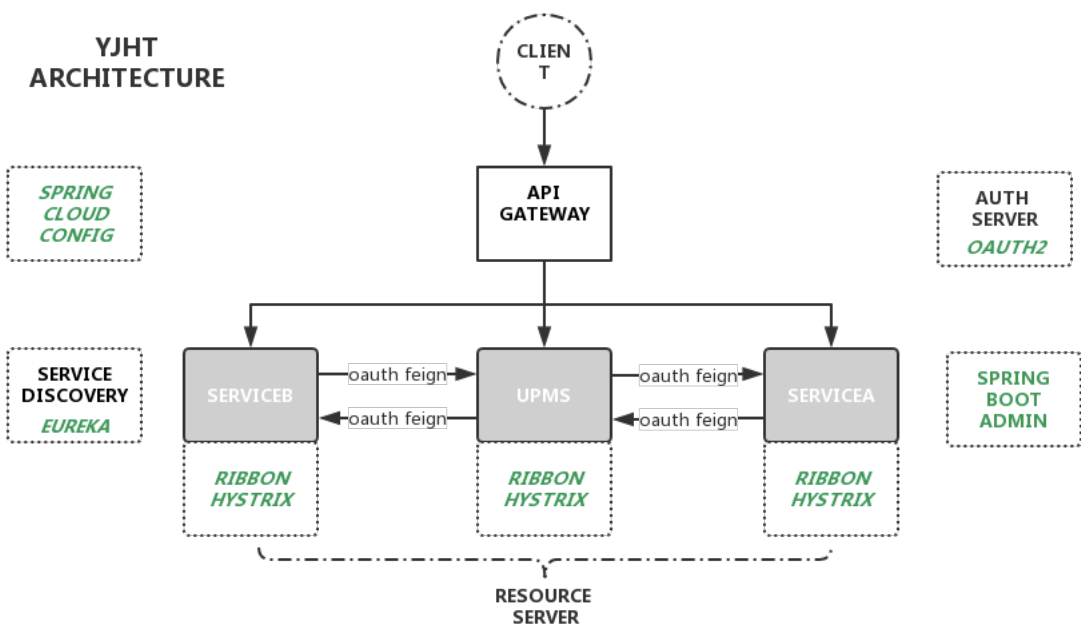
- 源码的角度来看 这两个实现类的区别



1. pig 只有网关是资源服务器，这也就意味着只能在网关中获取的SecurityContext进而获取到用户的全部信息，而 下游的业务微服务只能通过的去请求从header中获取jwt token 解析哪位用户。
2. 如下图，pigx 整体架构满足oauth2，所有的下游业务微服务都作为资源服务，在整个流程中都能从securityContext中获取到用户的全部信赖jwt解析。
3. jwt 自身的安全问题，对一些业务场景 需要自己扩展实现，比如踢人等。
4. 如何扩展pigx支持jwt ,非常简单 认证服务器配置配置 JwtAccessTokenConverter即可（后果自负）

```
public class AuthorizationServerConfig extends AuthorizationServerConfigurerAdapter {

    @Override
    public void configure(AuthorizationServerEndpointsConfigurer endpoints) {
        //token增强配置
        TokenEnhancerChain tokenEnhancerChain = new TokenEnhancerChain();
        tokenEnhancerChain.setTokenEnhancers(
            Arrays.asList(tokenEnhancer(),new JwtAccessTokenConverter());
        endpoints
            .tokenEnhancer(tokenEnhancerChain);
    }
```


YJHT ARCHITECTURE
CLIENT
API GATEWAY
SPRING CLOUD CONFIG
AUTH SERVER
OAUTH2
SERVICE DISCOVERY
EUREKA
SERVICEB
UPMS
SERVICEA
oauth feign
oauth feign
oauth feign
oauth feign
SPRING BOOT ADMIN
RIBBON HYSTRIX
RIBBON HYSTRIX
RIBBON HYSTRIX
RESOURCE SERVER