1：Maven引入以下包

2：代码中的secretKey=共享密钥+时间戳

<dependency>

<groupId>com.nimbusds</groupId>

<artifactId>nimbus-jose-jwt</artifactId>

<version>4.23</version>

</dependency>

package com.ewei.web.shiro.util;

import java.security.SecureRandom;

import java.text.ParseException;

import org.slf4j.Logger;

import com.ewei.support.util.Jsons;

import com.ewei.support.util.Logs;

import com.ewei.support.util.Maps;

import com.nimbusds.jose.JOSEException;

import com.nimbusds.jose.JWSAlgorithm;

import com.nimbusds.jose.JWSHeader;

import com.nimbusds.jose.JWSObject;

import com.nimbusds.jose.KeyLengthException;

import com.nimbusds.jose.Payload;

import com.nimbusds.jose.crypto.MACSigner;

import com.nimbusds.jose.crypto.MACVerifier;

import com.nimbusds.jwt.JWTClaimsSet;

import com.nimbusds.jwt.SignedJWT;

/\*\*

\* @ClassName: JsonWebTokenRealmUtil

\* @Description:https://connect2id.com/products/nimbus-jose-jwt#example

\* @author xc

\* @date 2015年9月15日 下午3:17:14

\*/

public class JsonWebTokenRealmUtil {

private static final Logger log = Logs.slf4j();

/\*\*

\* 解密

\*/

public static JWTClaimsSet getJWTClaimsSet(String code, String secretKey) throws ParseException, JOSEException {

SignedJWT jwt = SignedJWT.parse(code);

JWTClaimsSet set = jwt.getJWTClaimsSet();

MACVerifier mac = new MACVerifier(secretKey.getBytes());

Boolean verify = mac.verify(jwt.getHeader(), jwt.getSigningInput(), jwt.getSignature());

if (!verify) {

log.info("签名验证失败code={},secretKey={}", code, secretKey);

return null;

}

return set;

}

/\*\*

\* 加密

\*/

public static String getJWTCode(String data, String secretKey) throws KeyLengthException, JOSEException {

JWSObject jwsObject = new JWSObject(new JWSHeader(JWSAlgorithm.HS256),

new Payload(data));

byte[] sharedKey = secretKey.getBytes();

jwsObject.sign(new MACSigner(sharedKey));

return jwsObject.serialize();

}

public static String getStringClaim(JWTClaimsSet set, String name) {

try {

return set.getStringClaim(name);

} catch (ParseException e) {

log.info("name参数名不存在, e=" + e);

return null;

}

}

}