

(1)——

1query —— eg): URL webroot/decision?p1=v1&p2=v2&pn=vn ; URL webroot/decision?crypt=code1 code1 p1=v1&p2=v2&pn=vn

2query —— eg): URL webroot/decision?p1=v1&p2=v2&pn=vn ; URL webroot/decision?p1=code1&p2=code2&pn=coden

3body/header

[GlobalRequestFilterProvider](#) [RequestParameterHandler](#)

[GlobalRequestFilterProvider](#)

[RequestParameterHandler](#)APIAPIbodyheader

MD5\SHA256

```
//MD5SAFR
//BSAFRXp1p2

//SAFRSCT

//SA
func( Map parameters )
//parametersurl
String query = sort(parameters);
//sort
String SIGN = MD5( query + SCT + timestamp + timeout ) + timestamp + timeout
//timestamptimeout

//BURL url?query&sign=SIGN

//FR
//SIGN{ md5,timestamp, timeout}
SIGN sign = getSign(req);
//
if( isTimeout( sign.timestamp, sign.timeout, crtTimestamp ) ){
    ///
    return StringUtils.EMPTY;
}
//md5
//parameterssign
String query = sort(parameters);
if( sign.md5 != MD5(query + SCT + sign.timestamp + sign.timeout) ){
    ///
    return StringUtils.EMPTY;
}
//
return value;
```

3DESAESRSAHMAC

```
//AESSAFR
//BSAFRxp1p2()

//SAFRSCT

//SA
func( Map parameters )
for( Entry entry : parameters ){
    entry.setValue( AES_E( entry.getValue(), SCT ) );
}
String query = toQuery(parameters);

//B url?query

//FR
//
String value = req.getParameter(name);
//
return AES_D( value, SCT );
```

[GlobalRequestFilterProviderRequestParameterHandler](#)

IDIDID

```
SAFR
BSASAp1=v1&p2=v2 FRX

STEP1 B URL_0 SA X
STEP2 SA URL_0 X
STEP3 SA IDT FRXID
STEP4 FR ID URL_P ID/TOKENSA
STEP5 SAFRIDFR
STEP6 FR
```

ID

[demo-parameter-decodeMD5](#)