

com.fr.decision.fun.HttpAuthorizeProvider

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18.09.0http10.0

2http

310.0http

HttpAuthorizeProvider.java

```
package com.fr.decision.fun;

import com.fr.stable.fun.mark.Mutable;

/**
 * http
 */
public interface HttpAuthorizeProvider extends Mutable {

    String MARK_STRING = "HttpAuthorizeProvider";

    int CURRENT_LEVEL = 1;

    /**
     * RSA
     */
    Scope scope();

    /**
     *
     * @param username
     * @param inputPassword
     * @param savedPassword
     * @param hashPassword hash
     * @return truefalse
     */
    boolean authorize(String username, String inputPassword, String savedPassword, String hashPassword);

    /**
     *
     * @return truefalse
     */
    boolean authorize(String uuid, String returnMessage);

    enum Scope {
        /**
         * httpauthorize
         */
        REPLACE,
        /**
         * http
         */
        CHECK
    }
}
```

HttpPassport.java

```
package com.fr.decision.authorize.impl;

...

public class HttpPassport extends AbstractPassport {

    private static final String PARAMETER_NAME = "data";

    ...

    @Override
    public boolean checkTicket(String username, String inputPassword, String savedPassword, String
hashPassword) {
        Set<HttpAuthorizeProvider> providers = ExtraDecisionClassManager.getInstance().getArray
(HttpAuthorizeProvider.MARK_STRING);
        for (HttpAuthorizeProvider provider : providers) {
            if (HttpAuthorizeProvider.Scope.REPLACE == provider.scope()) {
```

```

        boolean result = provider.authorize(username, inputPassword, savedPassword, hashPassword);
        if (result) {
            return true;
        }
    }
}
String publicKey = getDecryptedPublicKey();
if (StringUtils.isNotBlank(publicKey)) {
    String message;
    String uuid = UUID.randomUUID().toString();
    try {
        HashMap<String, String> para = new HashMap<String, String>();
        Key key = SecurityToolbox.string2PublicKey(publicKey);
        String data = SecurityToolbox.encrypt(
            requestText(username, inputPassword, savedPassword, hashPassword, uuid),
            key
        );
        para.put(PARAMETER_NAME, data);
        message = SecurityToolbox.decrypt(HttpToolbox.get(getUrl(), para), key);
    } catch (Exception e) {
        throw new RuntimeException("Http Request Failed:" + e.getMessage());
    }

    boolean result = checkMessage(uuid, message);
    if (result) {
        return true;
    }
    for (HttpAuthorizeProvider provider : providers) {
        if (provider.scope() == HttpAuthorizeProvider.Scope.CHECK) {
            result = provider.authorize(uuid, message);
            if (result) {
                return true;
            }
        }
    }
}
return false;
}

private boolean checkMessage(String uuid, String message) {
    if (StringUtils.isEmpty(message)) {
        return false;
    }
    JSONObject data = new JSONObject(message);
    return data.optBoolean(SUCCESS_MARK) && uuid.equals(data.optString(UUID_FIELD));
}

private String requestText(String username, String password, String savedPassword, String hashPassword,
String uuid) throws Exception {
    Map<String, String> map = new HashMap<String, String>();
    map.put("username", username);
    map.put("password", password);
    map.put("savedPassword", savedPassword);
    map.put("hashPassword", hashPassword);
    map.put(UUID_FIELD, uuid);
    ObjectMapper mapper = new ObjectMapper();
    return mapper.writeValueAsString(map);
}

...
}

```

FR	10.0		

BI	5.1		
BI	5.1.2		
BI	5.1.3		

plugin.xml

```
<extra-decision>
  <HttpAuthorizeProvider class="your class name" />
</extra-decision>
```

HttpPassport PassportcheckTickethttp

authorizeHttpPassportScopeREPLACEauthorize(String username, String inputPassword, String savedPassword, String hashPassword>true,httpPas
sportProviderHttpAuthorizeProvider#authorizefalsehttpScopeCHECKauthorize(String username, String inputPassword, String savedPassword,
String hashPassword)httpauthorize(String uuid, String returnMessage)

[demo-http-authorize-provider](#)

[open-JSD-7814](#)

[demo-auth-http](#)