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XSS			Ĺ
XSS(Cross-site	Scripting)		L
XDataSet5	XSS		L
UI .			L
XDataSet5.jar			L
			<u>)</u>
			<u>)</u>
API		3	3
		3	3

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XSS

XFrame5 XSS

- XSS(Cross-site Scripting)
- XDataSet5 XSS
- UI
- XDataSet5.jar

XSS(Cross-site Scripting)

SQL injection 가 , 가

• https://namu.wiki/w/XSS

XDataSet5 XSS

UI

XTRAN_XSSENCODING true

UI

UI →

```
1 XDataSet5 HEADER xssencoding '1'

. ( Encoding / , encodeURIComponent , BASE64 )

encodeURIComponent

BASE64
encodeURIComponent
```

XDataSet5.jar

UI

가



```
1 XDataSet5 HEADER
                      xssencoding
                                      '1'
  getData API
                                             '1'
                            xssencoding
                                                               HTML TAG FILTER
                   . [HTML TAG FILTER
                                         ]
  '<' → "&lt:"
  '>' → ">"
  '&' → "&"
2
  '"' → """
  '"' → "'"
                        : < & 123 >
  xssencoding
                  '0'
                            getData
                                          : < & 123 >
  xssencoding
                  '1'
                            getData
                                          : <&amp;123&gt;
  getData API xssencoding
                                                      API
  public String getData(String dataset name, String column name, int record index, Boolean
  htmlTagFilter)
3
  public String getData(String dataset name, int column index, int record index, Boolean
  htmlTagFilter)
                                   '1'
  XDataSet5
                   xssencoding
                                             , HTML TAG FILTER
       htmlTagFilter
                                false
  getData API
                        HTML TAG FILTER가
  replaceHTMLTagFilter API
                                   . (Static
  public static String replaceHTMLTagFilter(String strData)
  XDataSet5 xDataSet5 = new XDataSet5(request, response);
  String strEmpData = xDataSet5.getData("DS_REQ", "EMP_DATA", 0, true);
  System.out.println("strEmpData = " +
  XDataSet5.replaceHTMLTagFilter(strEmpData));
```

XFrame5

•

API

UI



UI

PROTECT_COPY

true: Control Cfalse: Control C

protect_copy

protect_copy /

• 0: default, PROTECT_COPY

- 1: allow,
- 2: protect,

API

xFrame5 API 가

• BASE64 /

• Crypto.js : https://github.com/brix/crypto-js

• (xf5/ext/lib crypto-js-4.1.1.min.js)

API			
encrypttext, decrypttext		1	
setencryptkey	3DES, AES	KEY	
gethashencrypt			

UI

PROTECT_COOKIE factory. Setcookie API

- true:
- false:





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