

# SF.UTIL

**\*\* This class will not be supported in 2015.**

All functionalities of `sf.util` class are more improved, integrating with CAPH. Therefore `sf.util` class is not supported since 2015 Smart TV. To use functions of `sf.util` class, refer to [here](#).

This class defines the Apps Framework utility functions.

Add the following line for `sf.util` class into a html file your own :

```
<script type="text/javascript" src="$MANAGER_WIDGET/Common/af/2.0.0/loader.js"></script>
```

You can declare `sf.util` class like this :

```
ex) var util = sf.util;
```

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## Methods

### dateFormat

Description

This function converts a JavaScript Date instance to a formatted string.

Parameters

- `date`
  - Date
  - Date instance to be converted
- `formatStr`
  - String
  - Formatted string

Return

- `String`
  - Formatted string

Emulator Support

N

SDK Constraint

None

Example

```
sf.util.dateFormat(new Date(), 'Y-m-d');  
// returns '2013-01-01' that indicates current date
```

## obj2json

### Description

This function converts a JavaScript Object to JSON string.

### Parameters

- obj
  - Object
  - Object to be converted

### Return

- String
  - Converted JSON string

### Emulator Support

N

### SDK Constraint

None

### Example

```
var json = sf.util.obj2json({a: 123, b: 'test'});  
console.log(json);// prints '{"a":123,"b": "test"}'
```

## xml2json

### Description

This function converts the XML DOM object to a JSON string.

### Parameters

- dom
  - Object
  - The XML Dom object to be converted

### Return

- String
  - Converted JSON string

### Emulator Support

N

### SDK Constraint

None

### Example

```
var json = sf.util.xml2json(xhr.responseXML);
```

## xml2obj

### Description

This function converts an XML DOM object to Object.

### Parameters

- dom
  - Object
  - The XML Dom object to be converted
- \* example

```
//XML  
<?xml version="1.0" encoding="UTF-8"?>  
<title><![CDATA[TEST TITLE]]></title>  
<link>http://www.samsung.com</link>  
<description><![CDATA[Samsung]]></description>  
<items>  
  <item id="1">ITEM1</item>  
  <item id="2">ITEM2</item>  
</items>
```

Return	<p>■Object</p> <ul style="list-style-type: none"> <li>- Converted object</li> </ul> <p>* example</p> <p>//JSON of converted object</p> <pre>{   "title" : "TEST TITLE",   "link" : "http://www.samsung.com",   "description" : "Samsung",   "items" : {     "item" : [       {         "id" : "1",         "text" : "ITEM1"       }, {         "id" : "2",         "text" : "ITEM2"       }     ]   } }</pre>
Emulator Support	N
SDK Constraint	None
Example	
<pre>var object = sf.util.xml2obj(dom);</pre>	