

CAPH.DAL.XHRLOADER

XHRLoader is a class that loads a resource using XMLHttpRequest, also known as XHR. Main API of XHRLoader is 'load.' Using load method, a user can load resource with a given URL using XMLHttpRequest. Also, XHRLoader is used by Preloader which can preload resources using XMLHttpRequest.

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Constructor

XHRLoader	
Description	
construct an XHRLoader	
Emulator Support	Y
SDK Constraint	None
Example	

```
var XHRLoader = caph.dal.XHRLoader;
var xhrloader = new XHRLoader();

console.log(xhrloader); // Must not be undefined
```

Methods

XHRLoader

Description

(Constructor) construct an XHRLoader

Parameters	■Void
Return	■XHRLoader - An instance of XHRLoader
Emulator Support	Y
SDK Constraint	none

Example

```
var XHRLoader = caph.dal.XHRLoader;
var xhrloader = new XHRLoader();

console.log(xhrloader); // Must not be undefined
```

hasValidArgsForLoading

Description

check if it has valid arguments for loading

Parameters	■Void
Return	■Boolean - A flag to indicate a valid state or not
Emulator Support	Y
SDK Constraint	none

Example

```
var XHRLoader = caph.dal.XHRLoader;
var xhrloader = new XHRLoader();

var flag = xhrloader.hasValidArgsForLoading();
```

getBlob

Description

Returns a Blob.

Parameters	■Void
Return	■Blob - A blob
Emulator Support	Y
SDK Constraint	none

Example

```
var Xhrloader = caph.dal.XHRLoader;
var xhrloader = new Xhrloader();

var result = xhrloader.getBlob();
```

getResponse

Description

Get the XHR's response. If it has any

Parameters	■Void
Return	■Any - An XHR's response
Emulator Support	Y
SDK Constraint	none

Example

```
var Xhrloader = caph.dal.XHRLoader;  
var xhrloader = new Xhrloader();  
  
var result = xhrloader.getResponse();
```

getResponseText

Description

Get the XHR's reponseText. If it has any

Parameters	■Void
Return	■String - An XHR's responseText
Emulator Support	Y
SDK Constraint	none

Example

```
var Xhrloader = caph.dal.XHRLoader;  
var xhrloader = new Xhrloader();  
  
var result = xhrloader.getResponseText();
```

getNode

Description

get the node

Parameters	■Void
Return	■Document Element - Node
Emulator Support	Y
SDK Constraint	none

Example

```
var Xhrloader = caph.dal.XHRLoader;  
var xhrloader = new Xhrloader();  
  
var tag = xhrloader.getNode();
```

isSuccessfulXHR

Description

check if XHR was succeeded

Parameters	■Void
Return	■Boolean - A flag to indicate a valid state or not
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XHRloader = caph.dal.XHRLoader; var xhrloader = new XHRloader(); var xhr = new XMLHttpRequest(); var flag = xhrloader.isSuccessfulXHR(xhr); //return true or false</pre>	
cleanup	
Description	
Clean up itself	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var Xhrloader = caph.dal.XHRLoader; var xhrloader = new Xhrloader(); xhrloader.cleanup();</pre>	
cleanupOnComplete	
Description	
clean up itself after completion	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var Xhrloader = caph.dal.XHRLoader; var xhrloader = new Xhrloader(); xhrloader.cleanupOnComplete();</pre>	
init	
Description	
initialize XHRLoader	
Parameters	■Void
Return	■Boolean - false : if fails; undefined, otherwise;
Emulator Support	Y

SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.init();</pre>	
loadURL	
Description	
load a URL	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.init(); // Let's say options and url are given. xhrloader.load(options, '4', DC.TYPE_JPEG, url); // URL is already given, so load the URL xhrloader.loadURL(); xhrloader.stop();</pre>	
load	
Description	
Load a resource	
Parameters	■options - Object - { {String} sourceTypeString // source type string {String} IDForTag // id attr. to use {function} onComplete // on completion callback {function} onError // on error callback {function} onLoadStart // on loadstart callback {Array} onCompleteArg }
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.load({ flagBlob:true }, '3', DC.TYPE_JPEG, url);</pre>	
onRequestFinishedAndResponselsReady	
Description	
called when request finished and response is ready	
Parameters	■Void
Return	■Void

Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XMLHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.onRequestFinishedAndResponsesReady();</pre>	
onXMLHttpRequestError	
Description	
called when an XMLHttpRequest error is occurred	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XMLHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.onXMLHttpRequestError();</pre>	
onXMLHttpRequestLoad	
Description	
called when an XMLHttpRequest load is completed	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var XMLHttpRequest = caph.dal.XMLHttpRequest; var xhrloader = new XMLHttpRequest(); xhrloader.onXMLHttpRequestLoad();</pre>	
processResponse	
Description	
process an XMLHttpRequest response	
Parameters	■Void
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	

```
var Xhrloader = caph.dal.XHRLoader;
var xhrloader = new Xhrloader();
```

```
xhrloader.processResponse();
```

stop

Description

stop the loader

Parameters	■Void
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Return	■Void
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Emulator Support	Y
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SDK Constraint	none
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Example

```
var Xhrloader = caph.dal.XHRLoader;
var xhrloader = new Xhrloader();
var DC = caph.dal.Constant;

function foo() {
    console.log('function foo is called');
}

xhrloader.init();
xhrloader.subscribe('oncomplete', foo, 'foofoo');
// Let's say options and url are given.
xhrloader.load(options, '4', DC.TYPE_JPEG, url);
// URL is already given, so load the URL
xhrloader.loadURL();
xhrloader.stop();
```

subscribe

Description

subscribe to an event

Parameters	■typeString - String - type string of an event - [default : null] ■callback: - Function - A callback function to be called - [default : null]
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Return	■Void
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Emulator Support	Y
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SDK Constraint	none
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Example

```
var Xhrloader = caph.dal.XHRLoader;
var xhrloader = new Xhrloader();
var DC = caph.dal.Constant;

function foo() {
    console.log("function foo is called");
}

xhrloader.init();
xhrloader.subscribe('oncomplete', foo, 'foofoo');
// Let's say options and url are given.
xhrloader.load(options, '4', DC.TYPE_JPEG, url);
// URL is already given, so load the URL
xhrloader.loadURL();
xhrloader.stop();
```

publish

Description

publish an event

Parameters	<div> <div>■typeString</div> <ul style="list-style-type: none"> - String - type string of an event - [default : null] <div>■callbackThis:</div> <ul style="list-style-type: none"> - Any - A callback parameter to be transferred as this - [default : null] <div>■callbackData:</div> <ul style="list-style-type: none"> - Any - A callback parameter to be transferred as data - [default : null] </div>
Return	<div>■Void</div>
Emulator Support	Y
SDK Constraint	none

Example

```
var Xhrloader = caph.dal.XHRLoader;
var xhrloader = new Xhrloader();
var DC = caph.dal.Constant;

function foo() {
    console.log("function foo is called");
}

xhrloader.init();
xhrloader.subscribe('oncomplete', foo, 'foofoo');
// Let's say options and url are given.
xhrloader.load(options, '4', DC.TYPE_JPEG, url);
// URL is already given, so load the URL
xhrloader.loadURL();
xhrloader.stop();
xhrloader.publish('oncomplete', xhrloader, null);
```

unsubscribe

Description

unsubscribe to an event

Parameters	<ul style="list-style-type: none"> ■typeString <ul style="list-style-type: none"> - String - type string of an event - [default : null] ■callback: <ul style="list-style-type: none"> - Function - A callback function to be called - [default : null]
Return	■Void
Emulator Support	Y
SDK Constraint	none
Example	
<pre> var Xhrloader = caph.dal.XHRLoader; var xhrloader = new Xhrloader(); var DC = caph.dal.Constant; function foo() { console.log('function foo is called'); } xhrloader.init(); xhrloader.subscribe('oncomplete', foo, 'foofoo'); // Let's say options and url are given. xhrloader.load(options, '4', DC.TYPE_JPEG, url); // URL is already given, so load the URL xhrloader.loadURL(); xhrloader.stop(); xhrloader.unsubscribe('oncomplete', foo); </pre>	