

JSClient

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Supported Clients

SmartClient WebClient NGClient

Constants Summary

String	CALLBACK_EVENT	Constant that is returned as a JSEvent type when in the callback method when it executed normally.
String	CALLBACK_EXCEPTION_EVENT	Constant that is returned as a JSEvent type when in the callback method when an exception occurred.

Methods Summary

String	getClientID()	Gets the id of the client.
Object	getDataProviderValue(contextName, dataprovider)	Get a data-provider value.
Object	getDataProviderValue(contextName, dataprovider, methodName)	Get a data-provider value.
Boolean	isValid()	returns true if this client is still valid/usable.
void	queueMethod(contextName, methodName, args)	Queues a method call on the remote server, without a callback method.
void	queueMethod(contextName, methodName, args, notifyCallBackMethod)	Queues a method call on the remote server.
Object	setDataProviderValue(contextName, dataprovider, value)	Set a data-provider value.
Object	setDataProviderValue(contextName, dataprovider, value, methodName)	Set a data-provider value.
void	shutdown()	closes the client.
void	shutdown(force)	closes the client.

Constants Details

CALLBACK_EVENT
Constant that is returned as a JSEvent type when in the callback method when it executed normally.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }
    */
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}
```

CALLBACK_EXCEPTION_EVENT
Constant that is returned as a JSEvent type when in the callback method when an exception occurred.

Returns[String](#)**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }
    */
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}

```

Methods Details**getClientID()**

Gets the id of the client.

This client id can be used to find the client from the headless client plugin.

Note that this client id is not the same id as the id displayed on the Applicationb Server admin page.

Returns[String](#)**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```

var headlessClient = plugins.headlessclient.createClient("someSolution", "user", "pass", null);
var clientID = headlessClient.getClientID()
....
headlessClient = plugins.headlessclient.getClient(clientID);
if (headlessClient != null && headlessClient.isValid()) {
    headlessClient.queueMethod(null, "someRemoteMethod", null, callback);
}

```

getDataProviderValue(contextName, dataprovider)

Get a data-provider value.

Parameters[String](#) contextName The context of the given method, null if it is global method or a form name for a form method[String](#) dataprovider the data-provider name as seen in Servoy**Returns**[Object](#) the value for the data-provider.**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    // only gets the globals.media when the 'remoteMethod' is currently executing for this client
    var value = jsclient.getDataProviderValue(null, "scopes.globals.number", 'remoteMethod');
    if (value != null)
    {
        application.output("value get from scopes.globals.number :: "+ value);
        scopes.globals.value = value+10;
        var returnValue = jsclient.setDataProviderValue(null, "scopes.globals.number", scopes.globals.
value, 'remoteMethod');
        application.output("value set to scopes.globals.number previous value "+ returnValue);
    }
    else
    {
        application.output("value get from scopes.globals.number :: " + null);
    }
}
}

```

getDataProviderValue(contextName, dataprovider, methodName)

Get a data-provider value.

Parameters

- String** contextName The context of the given method; null if it is global method or a form name for a form method.
- String** name
- String** dataprovider the data-provider name as seen in Servoy.
- String** id
- String** method if this is specified, the data-provider's value will only be returned if the specified method is running in this headless client because the
- String** Name currently running client requested it to. Otherwise undefined is returned.

Returns

Object the value of the data-provider.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    // only gets the globals.media when the 'remoteMethod' is currently executing for this client
    var value = jsclient.getDataProviderValue(null, "scopes.globals.number", 'remoteMethod');
    if (value != null)
    {
        application.output("value get from scopes.globals.number :: "+ value);
        scopes.globals.value = value+10;
        var returnValue = jsclient.setDataProviderValue(null, "scopes.globals.number", scopes.globals.
value, 'remoteMethod');
        application.output("value set to scopes.globals.number previous value "+ returnValue);
    }
    else
    {
        application.output("value get from scopes.globals.number :: " + null);
    }
}
}

```

isValid()

returns true if this client is still valid/usable.

Returns

Boolean

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }
    */
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}

```

queueMethod(contextName, methodName, args)

Queues a method call on the remote server, without a callback method.

Please note that calling queueMethod without a callback does not return anything: no result of the remote method or no exception if something went wrong.

Parameters

[String](#) contextName The context of the given method, null if it is global method or a form name for a form method.

[String](#) methodName The method name.

[Array](#) args The arguments that should be passed to the method.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x]);
}

```

queueMethod(contextName, methodName, args, notifyCallBackMethod)

Queues a method call on the remote server. The callback method will be called when the method is executed on the server

and the return value is given as the JSEvent.data object with the JSEvent.getType() value of JSClient.CALLBACK_EVENT.

If an exception is thrown somewhere then the callback method will be called with

the exception as the JSEvent data object with the JSEvent.getType() value of JSClient.CALLBACK_EXCEPTION_EVENT

The second argument that is give back is the JSClient instance that did the call.

Parameters

[String](#) contextName The context of the given method, null if it is global method or a form name for a form method.

[String](#) methodName The method name.

[Array](#) args The arguments that should be passed to the method.

[Function](#) notifyCallBackMethod The callback method that is called when the execution is finished.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }
    */
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}

```

setDataProviderValue(contextName, dataprovider, value)

Set a data-provider value.

Parameters

String contextName The context of the given method, null if it is global method or a form name for a form method.
String dataprovider the data-provider name as seen in Servoy.
Object value the value to set.

Returns

Object the old value or null if no change.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    // only gets the globals.media when the 'remoteMethod' is currently executing for this client
    var value = jsclient.getDataProviderValue(null, "scopes.globals.number", 'remoteMethod');
    if (value != null)
    {
        application.output("value get from scopes.globals.number :: "+ value);
        scopes.globals.value = value+10;
        var returnValue = jsclient.setDataProviderValue(null, "scopes.globals.number", scopes.globals.
value, 'remoteMethod');
        application.output("value set to scopes.globals.number previous value "+ returnValue);
    }
    else
    {
        application.output("value get from scopes.globals.number :: " + null);
    }
}

```

setDataProviderValue(contextName, dataprovider, value, methodName)

Set a data-provider value.

Parameters

String context The context of the given method, null if it is global method or a form name for a form method
String Name
String datapr the data-provider name as seen in Servoy
String ovider
Object value the value to set
Object ject
String metho if this is specified, the data-provider's value will only be set if the specified method is running in this headless client because the currently
String dName running client requested it to. Otherwise the value is not set into the data-provider and undefined is returned.

Returns

Object the old value or null if no change

Supported Clients

SmartClient,WebClient,NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    // only gets the globals.media when the 'remoteMethod' is currently executing for this client
    var value = jsclient.getDataProviderValue(null, "scopes.globals.number", 'remoteMethod');
    if (value != null)
    {
        application.output("value get from scopes.globals.number :: "+ value);
        scopes.globals.value = value+10;
        var returnValue = jsclient.setDataProviderValue(null, "scopes.globals.number", scopes.globals.
value, 'remoteMethod');
        application.output("value set to scopes.globals.number previous value "+ returnValue);
    }
    else
    {
        application.output("value get from scopes.globals.number :: " + null);
    }
}

```

shutdown()

closes the client.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```

if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }
    */
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}

```

shutdown(force)

closes the client.

Parameters[Boolean](#) force;**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```
if (jsclient && jsclient.isValid())
{
    /*Queue a method where the callback can do something like this
    if (event.getType() == JSClient.CALLBACK_EVENT)
    {
        application.output("callback data, name: " + event.data);
    }
    else if (event.getType() == JSClient.CALLBACK_EXCEPTION_EVENT)
    {
        application.output("exception callback, name: " + event.data);
    }*/
    var x = new Object();
    x.name = 'remote1';
    x.number = 10;
    // this calls a 'remoteMethod' on the server as a global method, because the context (first argument is
    set to null), you can use a formname to call a form method
    jsclient.queueMethod(null, "remoteMethod", [x], callback);
}
```