

OAuthService

 Apr 10, 2024 00:09

Supported Clients

NGClient

Methods Summary

OAuthRequest	createDeleteRequest(resourceURL)	Create a DELETE request.
OAuthRequest	createGetRequest(resourceURL)	Create a GET request for a resource.
OAuthRequest	createPostRequest(resourceURL)	Create a POST request.
OAuthRequest	createPutRequest(resourceURL)	Create a PUT request.
OAuthRequest	createRequest(requestType, resourceURL)	Creates a JSOAuthRequest for with the enum of RequestType (GET, PUT, DELETE, etc) for a resource url.
OAuthResponse	executeGetRequest(resourceURL)	This is quick method by executing a GET request and returning right away the OAuthResponse So it would be the same as executeRequest(createRequest (RequestType).
OAuthResponse	executeRequest(request)	Method to execute requests that are made, and configured by #createRequest(Verb, String)
Number	getAccessExpiresIn()	Returns the number of seconds left until the access token expires.
String	getAccessToken()	Get the access token currently set on the service.
Number	getAccessTokenLifetime()	Return the token lifetime in seconds.
String	getAuthorizationURL()	
String	getAuthorizationURL(params)	Get the authorization url with some additional parameters.
String	getIdToken()	Obtain the Openid token if it is available.
String	getRefreshToken()	Return the refresh token.
Boolean	isAccessTokenExpired()	Checks if the access token is expired.
String	refreshToken()	Obtains a new access token if the OAuth api supports it.
void	revokeToken(token)	Revoke the provided access token.
void	setAccessToken(code)	Configure the oauth service with an access token using the scope that was initially set when creating the service.
void	setAccessToken(code, scope)	Configure the oauth service with an access token for the specified scope.

Methods Details

createDeleteRequest(resourceURL)

Create a DELETE request.

Parameters

[String](#) resourceURL the url of the resource to be deleted

Returns

[OAuthRequest](#) the request object

Supported Clients

NGClient

Sample

```
var putRequest = service.createDeleteRequest("https://graph.microsoft.com/v1.0/me/drive/root:/FolderAA/FileBB.txt:/content");
var response = putRequest.execute();
if (response.getStatusCode() == 204) {
    application.output("File was deleted "+response.getBody());
}
else
{
    application.output('http status '+response.getStatusCode());
    application.output("File could not be deleted: "+response.getBody())
}
```

createGetRequest(resourceURL)

Create a GET request for a resource.

Parameters

[String](#) resourceURL the url of the resource which you want to get

Returns

[OAuthRequest](#) the request object

Supported Clients

NGClient

Sample

```
var getRequest = service.createGetRequest("https://api.linkedin.com/v2/me");
getRequest.addHeader("Accept", "application/json");

var response = getRequest.execute();
if (response.getStatusCode() == 200) {
    var json = response.getAsJSON();
    application.output("Name is "+json.firstName);
}
else
{
    application.output("ERROR http status "+response.getStatusCode());
    application.output(response.getBody())
}
```

createPostRequest(resourceURL)

Create a POST request.

Parameters

[String](#) resourceURL the url where the enclosed entity will be stored

Returns

[OAuthRequest](#) the request object

Supported Clients

NGClient

Sample

```
var postRequest = service.createPostRequest("https://.....");
postRequest.addHeader("Content-Type", "text/plain");
postRequest.addBodyParameter("param1", "value1");
var response = postRequest.execute();
```

createPutRequest(resourceURL)

Create a PUT request.

Parameters

[String](#) resourceURL the url where the enclosed entity will be stored

Returns

[OAuthRequest](#) the request object

Supported Clients

NGClient

Sample

```
var putRequest = service.createPutRequest("https://graph.microsoft.com/v1.0/me/drive/root:/FolderAA/FileBB.txt:/content");
putRequest.addHeader("Content-Type", "text/plain");
putRequest.setPayload("ABC");
var response = putRequest.execute();
if (response.getStatusCode() == 201) {
    application.output("New file was created "+response.getBody());
}
else
{
    application.output("ERROR http status "+response.getStatusCode());
    application.output("File could not be created: "+response.getBody())
}
```

createRequest(requestType, resourceURL)

Creates a JSOAuthRequest for with the enum of RequestType (GET, PUT, DELETE, etc) for a resource url.

Parameters

[enum](#) requestType one of the types of plugins.oauth.RequestType
[String](#) resourceURL the url of the resource you want to access

Returns

[OAuthRequest](#) a JSOAuthRequest object

Supported Clients

NGClient

Sample

```
var request = service.createRequest(plugins.oauth.RequestType.GET, "https://api.linkedin.com/v2/me");
request.addHeader("Accept", "application/json");

var response = request.execute();
if (response.getStatusCode() == 200) {
    var json = response.getAsJSON();
    application.output("Name is "+json.firstName);
}
else
{
    application.output("ERROR http status "+response.getStatusCode());
    application.output(response.getBody())
}
```

executeGetRequest(resourceURL)

This is quick method by executing a GET request and returning right away the OAuthResponse
 So it would be the same as executeRequest(createRequest(RequestType.GET, url))

Parameters

[String](#) resourceURL ;

Returns

[OAuthResponse](#) the OAuthResponse object

Supported Clients

NGClient

Sample

executeRequest(request)

Method to execute requests that are made, and configured by #createRequest(Verb,String)

Parameters

[OAuthRequest](#) request the JSOAuthRequest object that was created by #createRequest(Verb,String)

Returns

[OAuthResponse](#) the OAuthResponse object

Supported Clients

NGClient

Sample

```
var request = service.createRequest(plugins.oauth.RequestType.GET, "https://api.linkedin.com/v2/me");
request.addHeader("Accept", "application/json");

var response = service.executeRequest(request);
if (response.getStatusCode() == 200) {
    var json = response.getAsJSON();
    application.output("Name is "+json.firstName);
}
else
{
    application.output("ERROR http status "+response.getStatusCode());
    application.output(response.getBody())
}
```

getAccessExpiresIn()

Returns the number of seconds left until the access token expires.

Returns

[Number](#) seconds left until the access token expires.

Supported Clients

NGClient

Sample

```
var seconds = service.getAccessExpiresIn();
if (seconds < 60)
{
    application.output("The access token is going to expire in less than 1 minute! Use service.
refreshToken() to get a new one");
}
else
{
    application.output("Make some requests");
}
```

getAccessToken()

Get the access token currently set on the service.

Returns

[String](#) the access token or null if it was not set

Supported Clients

NGClient

Sample**getAccessTokenLifetime()**

Return the token lifetime in seconds.

Returns

[Number](#) the token lifetime as it was retrieved by the OAuth provider with the access token

Supported Clients

NGClient

Sample**getAuthorizationURL()****Returns**

[String](#)

Supported Clients

NGClient

Sample**getAuthorizationURL(params)**

Get the authorization url with some additional parameters.

Parameters

[Object](#) params a json containing the parameters and their values e.g. {param1: 'value1', param2: 'value2'}

Returns

[String](#) the authorization url with the provided parameters appended to the query string.

Supported Clients

NGClient

Sample

getIdToken()

Obtain the Openid token if it is available.

Returns

[String](#) the id token, or null if was not set on the service.

Supported Clients

NGClient

Sample**getRefreshToken()**

Return the refresh token.

Returns

[String](#) the refresh token or null if it is not present

Supported Clients

NGClient

Sample**isAccessTokenExpired()**

Checks if the access token is expired. Returns false if the access token expire information is not set.

Returns

[Boolean](#) true if the access token is expired, false otherwise

Supported Clients

NGClient

Sample**refreshToken()**

Obtains a new access token if the OAuth api supports it.

Returns

[String](#) The new access token issued by the authorization server

Supported Clients

NGClient

Sample

```
accessToken = service.refreshToken();
```

revokeToken(token)

Revoke the provided access token.

Parameters

[String](#) token to revoke

Supported Clients

NGClient

Sample**setAccessToken(code)**

Configure the oauth service with an access token using the scope that was initially set when creating the service.

Parameters

[String](#) code the authorization code used to request and access token

Supported Clients

NGClient

Sample

setAccessToken(code, scope)

Configure the oauth service with an access token for the specified scope.

Parameters

[String](#) code the authorization code used to request an access token

[String](#) scope the scope for which to obtain an access token

Supported Clients

NGClient

Sample