OAuthServiceBuilder

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Supported Clients

NGClient

Methods Summary

OAuthServiceBuilder	additionalParameters(params)	Add some more parameters to the authorization url.
OAuthService	build(api)	Creates an OAuth service that can be used to obtain an access token and access protected data.
OAuthService	build(api)	Creates an OAuth service that can be used to obtain an access token and access protected data.
OAuthServiceBuilder	callback(callback, timeout)	Configure the service with a callback function to be executed when the service is ready to use.
OAuthServiceBuilder	clientSecret(clientSecret)	Set the client secret of the application.
OAuthServiceBuilder	deeplink(deeplink)	OPTIONAL This is a way to override the default deeplink method name, which is 'deeplink_svy_oauth'.
OAuthServiceBuilder	defaultScope(scope)	Request always the same scope.
OAuthServiceBuilder	domain(domain)	Set the domain if the API supports it (e.
String	getUsedAuthorizationURL(api)	Get the authorization url.
String	getUsedAuthorizationURL(api)	Get the authorization url.
OAuthServiceBuilder	responseMode(mode)	Configure if the code/tokens are going to be received as a query or as a url fragment.
OAuthServiceBuilder	responseType(response_type)	Configures the OAuth flow.
OAuthServiceBuilder	scope(scope)	Request any unique scope per each access token request.
OAuthServiceBuilder	state(state)	Configures the anti forgery session state.
OAuthServiceBuilder	tenant(tenant)	Set the tenant identifiers/organization if the API supports it (e.
OAuthServiceBuilder	withPKCE()	Configures the service with Proof Key for Code Exchange, which prevents authorization code interception attacks.

Methods Details

additionalParameters(params)

```
Add some more parameters to the authorization url.
```

Parameters

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

Returns

OAuthServiceBuilder the service builder for method chaining

Supported Clients

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Sample

build(api)

```
Creates an OAuth service that can be used to obtain an access token and access protected data.
```

Parameters

CustomApiBuilder api a custom api, see plugins.oauth.customApi

Returns

OAuthService an OAuthService object that can be used to make signed requests to the api

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Sample

build(api)

```
Creates an OAuth service that can be used to obtain an access token and access protected data.
```

Parameters

String api an OAuth provider id, see plugins.oauth.OAuthProviders

Returns

OAuthService an OAuthService object that can be used to make signed requests to the api

Supported Clients

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Sample

callback(callback, timeout)

```
Configure the service with a callback function to be executed when the service is ready to use.
After the access token is returned by the server, this callback function is executed.
```

Parameters

Function	callback	a function in a scope or form
Number	timeout	max number of seconds in which the callback method should be executed (with success or error message) Please note that the timeout should be enough for the user to login and accept permissions.

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

clientSecret(clientSecret)

```
Set the client secret of the application.
```

Parameters

String clientSecret a secret known only to the application and the authorization server

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

deeplink(deeplink)

```
OPTIONAL This is a way to override the default deeplink method name, which is 'deeplink_svy_oauth'.
The deeplink method is a global method that receives the code needed to obtain the access token from the OAuth
provider.

NOTE: The deeplink method name is strongly related to the redirect url configured for the application.
If the OAuth provider (eg. Microsoft AD, Likedin) requires to configure a full redirect url then it should be
of the form:
https://example.com/<solution_name>/m/<deeplinkmethod> - where <deeplinkmethod> is the name configured with the
service builder
https://example.com/<solution_name>/m/deeplink_svy_oauth - if the deeplink method name was not overridden

If the deeplink method with the provided name does not exist in the solution,
then a default deeplink method is generated under the hood with the solution model.
If a global method with the provided name already exists in the solution, then it should set the access
token on the service and handle possible errors.
```

Parameters

String deeplink a global scope method name

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

defaultScope(scope)

```
Request always the same scope.
Scope is a mechanism in OAuth 2.0 to limit an application's access to a user's account.
An application can request one or more scopes, separated by space.
This information is then presented to the user in the consent screen, and the access token issued
to the application will be limited to the scopes granted.
```

Parameters

String scope the default scope

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

domain(domain)

```
Set the domain if the API supports it (e.g.Okta)
```

Parameters

String domain ;

Returns

OAuthServiceBuilder the service builder for method chaining

Supported Clients

NGClient

Sample

getUsedAuthorizationURL(api)

```
Get the authorization url. This is for DEBUGGING PURPOSES ONLY.
```

Parameters

CustomApiBuilder api a custom api builder

Returns

String the used authorization url

Supported Clients

NGClient

Sample

getUsedAuthorizationURL(api)

```
Get the authorization url. This is for DEBUGGING PURPOSES ONLY.
```

Parameters

String api an OAuth provider id, see plugins.oauth.OAuthProviders

Returns

String the used authorization url

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Sample

responseMode(mode)

```
Configure if the code/tokens are going to be received as a query or as a url fragment.
Will be ignored if the response type is token/id_token or if the oauth provider does not support it.

For the "fragment" response mode the redirect url configured for the oauth app needs to be of the following form
https://example.com/servoy-service/oauth/solutions/<solution_name>/m/<deeplinkmethod> - where <deeplinkmethod>
is the name configured with the service builder
```

Parameters

String mode can be "query" or "fragment"

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

responseType(response_type)

```
Configures the OAuth flow. Defaults to "code" (authorization code flow) if not set.
Use response type "token" for the implicit grant flow.
Use response type "id_token" for OpenID Connect sign-in. In this case the response is a JWT token which can be
used to verify the identity of a user.
OAuth providers may allow combinations of "code" "id_token" "token".
```

Parameters

String response_type one or a combination of "code" "id_token" "token"

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

scope(scope)

```
Request any unique scope per each access token request.
Scope is a mechanism in OAuth 2.0 to limit an application's access to a user's account.
An application can request one or more scopes, separated by space.
This information is then presented to the user in the consent screen, and the access token issued
to the application will be limited to the scopes granted.
```

Parameters

String scope one or multiple scopes separated by space

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

state(state)

```
Configures the anti forgery session state. This is required in some APIs (like Facebook's).
```

Parameters

String state ;

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

tenant(tenant)

```
Set the tenant identifiers/organization if the API supports it (e.g.Microsoft AD)
```

Parameters

String tenant ;

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample

withPKCE()

```
Configures the service with Proof Key for Code Exchange, which prevents authorization code interception attacks.
See more at https://datatracker.ietf.org/doc/html/rfc7636.
```

Returns

OAuthServiceBuilder the service builder for method chaining

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Sample