



NamedCredentials Class

Create, refresh, get, delete, replace, and update credentials. Create and get external credentials. Create and get named credentials. Create, get, delete, and update external auth identity providers. Get the URL for the OAuth token flow for an external credential.

Note

Managed packages can access only the named credentials and external credentials that are included in or created from the package's Apex code. If a managed package tries to access non-packaged named credentials and external credentials that a Salesforce admin created in the org, an error occurs.

Namespace

[ConnectApi](#)

NamedCredentials Methods

These methods are for `NamedCredentials`. All methods are static.

- [createCredential\(requestBody\)](#)
Create a credential.
- [createCredential\(requestBody, action\)](#)
Refresh an OAuth or AWS Roles Anywhere credential.
- [createExternalAuthIdentityProvider\(requestBody\)](#)
Create an external auth identity provider.
- [createExternalAuthIdentityProviderCredentials\(fullName, requestBody\)](#)
Create external auth identity provider credentials.
- [createExternalCredential\(requestBody\)](#)
Create an external credential.
- [createNamedCredential\(requestBody\)](#)
Create a named credential.
- [deleteCredential\(externalCredential, principalName, principalType\)](#)
Delete a credential.
- [deleteCredential\(externalCredential, principalName, principalType, authenticationParameters\)](#)
Delete a credential with authentication parameters.
- [deleteExternalAuthIdentityProvider\(fullName\)](#)
Delete an external auth identity provider.
- [getCredential\(externalCredential, principalName, principalType\)](#)
Get a credential.
- [getExternalAuthIdentityProvider\(fullName\)](#)
Get an external auth identity provider.
- [getExternalAuthIdentityProviderCredentials\(fullName\)](#)
Get external auth identity provider credentials.
- [getExternalAuthIdentityProviders\(\)](#)
Get a list of external auth identity providers in the org.



Get external credentials that the user can authenticate to.

- [getNamedCredential\(developerName\)](#)
Get a named credential.
- [getNamedCredentials\(\)](#)
Get a list of named credentials for the org.
- [getOAuthCredentialAuthUrl\(requestBody\)](#)
Get the URL for the OAuth token flow for an external credential.
- [patchCredential\(requestBody\)](#)
Update custom credentials.
- [updateCredential\(requestBody\)](#)
Replace a credential.
- [updateExternalAuthIdentityProvider\(fullName, requestBody\)](#)
Update an external auth identity provider.
- [updateExternalAuthIdentityProviderCredentials\(fullName, requestBody\)](#)
Replace external auth identity provider credentials.

See Also

- [Salesforce Help: Named Credentials](#)
- [Named Credentials Developer Guide: Get Started with Named Credentials](#)
- [Named Credentials Developer Guide: Named Credential API Links](#)
- [Apex Developer Guide: Invoking Callouts Using Apex](#)
- [Apex Developer Guide: Named Credentials as Callout Endpoints](#)

createCredential(requestBody)

Create a credential.

API Version

56.0

Requires Chatter

No

Signature

```
public static ConnectApi.Credential createCredential(ConnectApi.CredentialInput requestBody)
```

Parameters

requestBody

Type: [ConnectApi.CredentialInput](#)

A [ConnectApi.CredentialInput](#) class.

Return Value

Type: [ConnectApi.Credential](#)

createCredential(requestBody, action)

Refresh an OAuth or AWS Roles Anywhere credential.

API Version



Signature

```
public static ConnectApi.Credential createCredential(ConnectApi.CredentialInput requestBody,  
ConnectApi.CreateCredentialAction action)
```

Parameters

requestBody

Type: [ConnectApi.CredentialInput](#)

A [ConnectApi.CredentialInput](#) class.

action

Type: [ConnectApi.CreateCredentialAction](#)

Action to take when creating the credential. Value is:

- Refresh

Return Value

Type: [ConnectApi.Credential](#)

createExternalAuthIdentityProvider(requestBody)

Create an external auth identity provider.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProvider  
createExternalAuthIdentityProvider(ConnectApi.ExternalAuthIdentityProviderInput requestBody)
```

Parameters

requestBody

Type: [ConnectApi.ExternalAuthIdentityProviderInput](#)

A [ConnectApi.ExternalAuthIdentityProviderInput](#) input class.

Return Value

Type: [ConnectApi.ExternalAuthIdentityProvider](#)

createExternalAuthIdentityProviderCredentials(fullName, requestBody)

Create external auth identity provider credentials.

API Version

62.0

Requires Chatter

No



Parameters

fullName

Type: [String](#)

Full name of the external auth identity provider to create credentials for.

requestBody

Type: [ConnectApi.ExternalAuthIdentityProviderCredentialsInput](#)

A [ConnectApi.ExternalAuthIdentityProviderCredentialsInput](#) input class

Return Value

Type: [ConnectApi.ExternalAuthIdentityProviderCredentials](#)

createExternalCredential(requestBody)

Create an external credential.

API Version

58.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalCredential  
createExternalCredential(ConnectApi.ExternalCredentialInput requestBody)
```

Parameters

requestBody

Type: [ConnectApi.ExternalCredentialInput](#)

Input used to create or update an external credential.

Return Value

Type: [ConnectApi.ExternalCredential](#)

createNamedCredential(requestBody)

Create a named credential.

API Version

58.0

Requires Chatter

No

Signature

```
public static ConnectApi.NamedCredential createNamedCredential(ConnectApi.NamedCredentialInput  
requestBody)
```

Parameters



Return Value

Type: [ConnectApi.NamedCredential](#)

deleteCredential(externalCredential, principalName, principalType)

Delete a credential.

This method deletes the user external credentials that store the encrypted access tokens used for named credential callouts, not the external credential itself. You can delete an external credential only in the UI or by using REST API.

API Version

56.0

Requires Chatter

No

Signature

```
public static Void deleteCredential(String externalCredential, String principalName,
ConnectApi.CredentialPrincipalType principalType)
```

Parameters

externalCredential

Type: [String](#)

Fully qualified developer name of the external credential.

principalName

Type: [String](#)

Name of the external credential named principal.

principalType

Type: [ConnectApi.CredentialPrincipalType](#)

Type of credential principal. Values are:

- [AwsStsPrincipal](#)
- [NamedPrincipal](#)
- [PerUserPrincipal](#)

Return Value

Type: Void

deleteCredential(externalCredential, principalName, principalType, authenticationParameters)

Delete a credential with authentication parameters.

This method deletes the user external credentials that store the encrypted access tokens used for named credential callouts, not the external credential itself. You can delete an external credential only in the UI or by using REST API.

API Version



Signature

```
public static Void deleteCredential(String externalCredential, String principalName,
ConnectApi.CredentialPrincipalType principalType, List<String> authenticationParameters)
```

Parameters

externalCredential

Type: [String](#)

Fully qualified developer name of the external credential.

principalName

Type: [String](#)

Name of the external credential named principal.

principalType

Type: [ConnectApi.CredentialPrincipalType](#)

Type of credential principal. Values are:

- [AwsStsPrincipal](#)
- [NamedPrincipal](#)
- [PerUserPrincipal](#)

authenticationParameters

Type: [List<String>](#)

List of authentication parameters only for custom protocols, for example `myApiKey,myApiSecret`. If unspecified, all credentials are deleted.

Return Value

Type: Void

deleteExternalAuthIdentityProvider(fullName)

Delete an external auth identity provider.

API Version

62.0

Requires Chatter

No

Signature

```
public static Void deleteExternalAuthIdentityProvider(String fullName)
```

Parameters

fullName

Type: [String](#)

Full name of the external auth identity provider to delete.

Return Value

Type: Void



56.0

Requires Chatter

No

Signature

```
public static ConnectApi.Credential getCredential(String externalCredential, String principalName, ConnectApi.CredentialPrincipalType principalType)
```

Parameters***externalCredential***Type: [String](#)

Fully qualified developer name of the external credential.

principalNameType: [String](#)

Name of the external credential named principal.

principalTypeType: [ConnectApi.CredentialPrincipalType](#)

Type of credential principal. Values are:

- [AwsStsPrincipal](#)
- [NamedPrincipal](#)
- [PerUserPrincipal](#)

Return ValueType: [ConnectApi.Credential](#)**getExternalAuthIdentityProvider(fullName)**

Get an external auth identity provider.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProvider getExternalAuthIdentityProvider(String fullName)
```

Parameters***fullName***Type: [String](#)

Full name of the external auth identity provider.

Return ValueType: [ConnectApi.ExternalAuthIdentityProvider](#)



62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProviderCredentials  
getExternalAuthIdentityProviderCredentials(String fullName)
```

Parameters***fullName***Type: [String](#)

Full name of the external auth identity provider.

Return ValueType: [ConnectApi.ExternalAuthIdentityProviderCredentials](#)**getExternalAuthIdentityProviders()**

Get a list of external auth identity providers in the org.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProviderList getExternalAuthIdentityProviders()
```

Return ValueType: [ConnectApi.ExternalAuthIdentityProviderList](#)**getExternalCredential(developerName)**

Get an external credential, including the named credentials and principals associated with it and the type and status of each principal.

API Version

56.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalCredential getExternalCredential(String developerName)
```

Parameters***developerName***Type: [String](#)



getExternalCredentials()

Get external credentials that the user can authenticate to.

API Version

56.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalCredentialList getExternalCredentials()
```

Return Value

Type: [ConnectApi.ExternalCredentialList](#)

getNamedCredential(developerName)

Get a named credential.

API Version

59.0

Requires Chatter

No

Signature

```
public static ConnectApi.NamedCredential getNamedCredential(String developerName)
```

Parameters

developerName

Type: [String](#)

Fully qualified developer name of the named credential.

Return Value

Type: [ConnectApi.NamedCredential](#)

getNamedCredentials()

Get a list of named credentials for the org.

API Version

59.0

Requires Chatter

No

Signature

```
public static ConnectApi.NamedCredentialList getNamedCredentials()
```



getOAuthCredentialAuthUrl(requestBody)

Get the URL for the OAuth token flow for an external credential.

API Version

56.0

Requires Chatter

No

Signature

```
public static ConnectApi.OAuthCredentialAuthUrl  
getOAuthCredentialAuthUrl(ConnectApi.OAuthCredentialAuthUrlInput requestBody)
```

Parameters

requestBody

Type: [ConnectApi.OAuthCredentialAuthUrlInput](#)

A [ConnectApi.OAuthCredentialAuthUrlInput](#) class indicating the OAuth authentication flow.

Return Value

Type: [ConnectApi.OAuthCredentialAuthUrl](#)

Usage

Accepts input parameters representing a specific external credential and, optionally, a named principal. Returns the URL a user must visit to begin the authentication flow, ultimately returning authentication tokens to Salesforce. Use this method as part of building a customized or branded user interface to help users initiate authentication.

Example

```
ConnectApi.OAuthCredentialAuthUrlInput input = new ConnectApi.OAuthCredentialAuthUrlInput(  
  
    input.externalCredential = 'MyExternalCredentialDeveloperName';  
    input.principalType = ConnectApi.CredentialPrincipalType.PerUserPrincipal;  
    input.principalName = 'MyPrincipal'; // Only required when principalType = NamedPrincipal  
  
    ConnectApi.OAuthCredentialAuthUrl output = ConnectApi.NamedCredentials.getOAuthCredentialAuthUrl(input);  
  
    String authenticationUrl = output.authenticationUrl; // Redirect users to this URL to authenticate
```

patchCredential(requestBody)

Update custom credentials.

This method updates custom credentials. To replace a credential, use [updateCredential\(requestBody\)](#).

API Version

59.0

Requires Chatter

No



requestBody

Type: [ConnectApi.CredentialInput](#)

A `ConnectApi.CredentialInput` class. Only the custom credentials in the input class are updated.

Return Value

Type: [ConnectApi.Credential](#)

updateCredential(requestBody)

Replace a credential.

This method uses the `ConnectApi.CredentialInput` and the `ConnectApi.CredentialValueInput` input classes to replace a credential's values. In the UI, these values appear as the credential's authentication parameters. To update a credential, use `patchCredential(requestBody)`.

API Version

56.0

Requires Chatter

No

Signature

```
public static ConnectApi.Credential updateCredential(ConnectApi.CredentialInput requestBody)
```

Parameters

requestBody

Type: [ConnectApi.CredentialInput](#)

A `ConnectApi.CredentialInput` class.

Return Value

Type: [ConnectApi.Credential](#)

updateExternalAuthIdentityProvider(fullName, requestBody)

Update an external auth identity provider.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProvider updateExternalAuthIdentityProvider(String fullName, ConnectApi.ExternalAuthIdentityProviderInput requestBody)
```

Parameters

fullName

Type: [String](#)

Full name of the external auth identity provider to update.



Return Value

Type: [ConnectApi.ExternalAuthIdentityProvider](#)

updateExternalAuthIdentityProviderCredentials(fullName, requestBody)

Replace external auth identity provider credentials.

API Version

62.0

Requires Chatter

No

Signature

```
public static ConnectApi.ExternalAuthIdentityProviderCredentials
updateExternalAuthIdentityProviderCredentials(String fullName,
ConnectApi.ExternalAuthIdentityProviderCredentialsInput requestBody)
```

Parameters

fullName

Type: [String](#)

The external auth identity provider credentials to replace.

requestBody

Type: [ConnectApi.ExternalAuthIdentityProviderCredentialsInput](#)

A [ConnectApi.ExternalAuthIdentityProviderCredentialsInput](#) input class.

Return Value

Type: [ConnectApi.ExternalAuthIdentityProviderCredentials](#)

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