☰ ☁

Developers   🔍 👤

⌄

ActionLinks Class ☰

ActionLinks Class

Create, delete, and get information about an action link group definition; get information about an action link group; get action link diagnostic information.

Namespace

ConnectApi

Usage

An action link is a button on a feed element. Clicking an action link can take a user to a Web page, initiate a file download, or invoke an API call to Salesforce or to an external server. An action link includes a URL and an HTTP method, and can include a request body and header information, such as an OAuth token for authentication. Use action links to integrate Salesforce and third-party services into the feed so that users can drive productivity and accelerate innovation.

There are two views of an action link and an action link group: the definition, and the context user's view. The definition includes potentially sensitive information, such as authentication information. The context user's view is filtered by visibility options and the values reflect the state of the context user.

Action link definition can be sensitive to a third party (for example, OAuth bearer token headers). For this reason, only calls made from the Apex namespace that created the action link definition can read, modify, or delete the definition. In addition, the user making the call must have created the definition or have View All Data permission. Use these methods to operate on action link group definitions (which contain action link definitions).

- createActionLinkGroupDefinition(communityId, actionLinkGroup)
- deleteActionLinkGroupDefinition(communityId, actionLinkGroupId)
- getActionLinkGroupDefinition(communityId, actionLinkGroupId)

Use these methods to operate on a context user's view of an action link or an action link group.

- getActionLink(communityId, actionLinkId)
- getActionLinkGroup(communityId, actionLinkGroupId)
- getActionLinkDiagnosticInfo(communityId, actionLinkId)

For information about how to use action links, see Working with Action Links.

ActionLinks Methods

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

- **createActionLinkGroupDefinition(communityId, actionLinkGroup)**
  Create an action link group definition. To associate an action link group with a feed element, first create an action link group definition. Then post a feed element with an associated actions capability.
- **deleteActionLinkGroupDefinition(communityId, actionLinkGroupId)**
  Delete an action link group definition. Deleting an action link group definition removes all references to it from feed elements.

only for users who can access the action link.

- **getActionLinkGroup(communityId, actionLinkGroupId)**
  Get information about an action link group including state for the context user.

- **getActionLinkGroupDefinition(communityId, actionLinkGroupId)**
  Get information about an action link group definition.

createActionLinkGroupDefinition(communityId, actionLinkGroup)

Create an action link group definition. To associate an action link group with a feed element, first create an action link group definition. Then post a feed element with an associated actions capability.

API Version

33.0

Requires Chatter

No

Signature

```
public static ConnectApi.ActionLinkGroupDefinition createActionLinkGroupDefinition(String communityId,
ConnectApi.ActionLinkGroupDefinitionInput actionLinkGroup)
```

Parameters

communityId

  Type: String

  ID for an Experience Cloud site, `internal`, or `null`.

actionLinkGroup

  Type: `ConnectApi.ActionLinkGroupDefinitionInput`

  A `ConnectApi.ActionLinkGroupDefinitionInput` object that defines the action link group.

Return Value

Type: `ConnectApi.ActionLinkGroupDefinition`

Usage

An action link is a button on a feed element. Clicking an action link can take a user to a Web page, initiate a file download, or invoke an API call to Salesforce or to an external server. An action link includes a URL and an HTTP method, and can include a request body and header information, such as an OAuth token for authentication. Use action links to integrate Salesforce and third-party services into the feed so that users can drive productivity and accelerate innovation.

All action links must belong to a group. Action links in a group are mutually exclusive and share some properties. Define standalone actions in their own action group.

Information in the action link group definition can be sensitive to a third party (for example, OAuth bearer token headers). For this reason, only calls made from the Apex namespace that created the action link group definition can read, modify, or delete the definition. In addition, the user making the call must have created the definition or have View All Data permission.

Invoking `ApiAsync` action links from an app requires a call to set the status. However, there isn't currently a way to set the status of an action link using Apex. To set the status, use Connect REST API. See the Action Link resource in the Connect REST API Developer Guidefor more information.

> ℹ️ **Note**

```apex
ConnectApi.ActionLinkGroupDefinitionInput actionLinkGroupDefinitionInput = new ConnectApi.ActionLinkGr
ConnectApi.ActionLinkDefinitionInput actionLinkDefinitionInput = new ConnectApi.ActionLinkDefinitionInpu
ConnectApi.RequestHeaderInput requestHeaderInput1 = new ConnectApi.RequestHeaderInput();
ConnectApi.RequestHeaderInput requestHeaderInput2 = new ConnectApi.RequestHeaderInput();

// Create the action link group definition.
actionLinkGroupDefinitionInput.actionLinks = New List<ConnectApi.ActionLinkDefinitionInput>();
actionLinkGroupDefinitionInput.executionsAllowed = ConnectApi.ActionLinkExecutionsAllowed.OncePerUse
actionLinkGroupDefinitionInput.category = ConnectApi.PlatformActionGroupCategory.Primary;
// To Do: Verify that the date is in the future.
// Action link groups are removed from feed elements on the expiration date.
datetime myDate = datetime.newInstance(2016, 3, 1);
actionLinkGroupDefinitionInput.expirationDate = myDate;

// Create the action link definition.
actionLinkDefinitionInput.actionType = ConnectApi.ActionLinkType.Api;
actionLinkDefinitionInput.actionUrl = '/services/data/v33.0/chatter/feed-elements';
actionLinkDefinitionInput.headers = new List<ConnectApi.RequestHeaderInput>();
actionLinkDefinitionInput.labelKey = 'Post';
actionLinkDefinitionInput.method = ConnectApi.HttpRequestMethod.HttpPost;
actionLinkDefinitionInput.requestBody = '{\"subjectId\": \"me\",\"feedElementType\": \"FeedItem\",\"body\": {\"
actionLinkDefinitionInput.requiresConfirmation = true;

// To Do: Substitute an OAuth value for your Salesforce org.
requestHeaderInput1.name = 'Authorization';
requestHeaderInput1.value = 'OAuth 00DD00000007WNP!ARsAQCwoeV0zzAV847FTI4zF.85w.EwsPbUgXR4SAjsp
actionLinkDefinitionInput.headers.add(requestHeaderInput1);

requestHeaderInput2.name = 'Content-Type';
requestHeaderInput2.value = 'application/json';
actionLinkDefinitionInput.headers.add(requestHeaderInput2);

// Add the action link definition to the action link group definition.
actionLinkGroupDefinitionInput.actionLinks.add(actionLinkDefinitionInput);

// Instantiate the action link group definition.
ConnectApi.ActionLinkGroupDefinition actionLinkGroupDefinition = ConnectApi.ActionLinks.createActionLink

ConnectApi.FeedItemInput feedItemInput = new ConnectApi.FeedItemInput();
ConnectApi.FeedElementCapabilitiesInput feedElementCapabilitiesInput = new ConnectApi.FeedElementCap
ConnectApi.AssociatedActionsCapabilityInput associatedActionsCapabilityInput = new ConnectApi.Associate
ConnectApi.MessageBodyInput messageBodyInput = new ConnectApi.MessageBodyInput();
ConnectApi.TextSegmentInput textSegmentInput = new ConnectApi.TextSegmentInput();

// Set the properties of the feedItemInput object.
feedItemInput.body = messageBodyInput;
feedItemInput.capabilities = feedElementCapabilitiesInput;
feedItemInput.subjectId = 'me';

// Create the text for the post.
messageBodyInput.messageSegments = new List<ConnectApi.MessageSegmentInput>();
textSegmentInput.text = 'Click to post a feed item.';
messageBodyInput.messageSegments.add(textSegmentInput);


// The feedElementCapabilitiesInput object holds the capabilities of the feed item.
// Define an associated actions capability to hold the action link group.
// The action link group ID is returned from the call to create the action link group definition.
feedElementCapabilitiesInput.associatedActions = associatedActionsCapabilityInput;
associatedActionsCapabilityInput.actionLinkGroupIds = new List<String>();
associatedActionsCapabilityInput.actionLinkGroupIds.add(actionLinkGroupDefinition.id);

// Post the feed item.
ConnectApi.FeedElement feedElement = ConnectApi.ChatterFeeds.postFeedElement(Network.getNetworkId(), f
```

Example for Defining an Action Link in a Template and Posting with a Feed Element

```apex
// Get the action link group template Id.
ActionLinkGroupTemplate template = [SELECT Id FROM ActionLinkGroupTemplate WHERE DeveloperName='Doc

// Add binding name-value pairs to a map.
// The names are defined in the action link template(s) associated with the action link group template.
// Get them from Setup UI or SOQL.
Map<String, String> bindingMap = new Map<String, String>();
bindingMap.put('ApiVersion', 'v33.0');
bindingMap.put('Text', 'This post was created by an API action link.');
bindingMap.put('SubjectId', 'me');

// Create ActionLinkTemplateBindingInput objects from the map elements.
List<ConnectApi.ActionLinkTemplateBindingInput> bindingInputs = new List<ConnectApi.ActionLinkTemplateBi

for (String key : bindingMap.keySet()) {
    ConnectApi.ActionLinkTemplateBindingInput bindingInput = new ConnectApi.ActionLinkTemplateBindingIn
    bindingInput.key = key;
    bindingInput.value = bindingMap.get(key);
    bindingInputs.add(bindingInput);
}

// Set the template Id and template binding values in the action link group definition.
ConnectApi.ActionLinkGroupDefinitionInput actionLinkGroupDefinitionInput = new ConnectApi.ActionLinkGr
actionLinkGroupDefinitionInput.templateId = template.id;
actionLinkGroupDefinitionInput.templateBindings = bindingInputs;

// Instantiate the action link group definition.
ConnectApi.ActionLinkGroupDefinition actionLinkGroupDefinition =
 ConnectApi.ActionLinks.createActionLinkGroupDefinition(Network.getNetworkId(), actionLinkGroupDefinition

ConnectApi.FeedItemInput feedItemInput = new ConnectApi.FeedItemInput();
ConnectApi.FeedElementCapabilitiesInput feedElementCapabilitiesInput = new ConnectApi.FeedElementCap
ConnectApi.AssociatedActionsCapabilityInput associatedActionsCapabilityInput = new ConnectApi.Associate
ConnectApi.MessageBodyInput messageBodyInput = new ConnectApi.MessageBodyInput();
ConnectApi.TextSegmentInput textSegmentInput = new ConnectApi.TextSegmentInput();

// Define the FeedItemInput object to pass to postFeedElement
feedItemInput.body = messageBodyInput;
feedItemInput.capabilities = feedElementCapabilitiesInput;
feedItemInput.subjectId = 'me';

// The MessageBodyInput object holds the text in the post
messageBodyInput.messageSegments = new List<ConnectApi.MessageSegmentInput>();

textSegmentInput.text = 'Click to post a feed item.';
messageBodyInput.messageSegments.add(textSegmentInput);


// The FeedElementCapabilitiesInput object holds the capabilities of the feed item.
// For this feed item, we define an associated actions capability to hold the action link group.
// The action link group ID is returned from the call to create the action link group definition.
feedElementCapabilitiesInput.associatedActions = associatedActionsCapabilityInput;
associatedActionsCapabilityInput.actionLinkGroupIds = new List<String>();
associatedActionsCapabilityInput.actionLinkGroupIds.add(actionLinkGroupDefinition.id);

// Post the feed item.
ConnectApi.FeedElement feedElement = ConnectApi.ChatterFeeds.postFeedElement(Network.getNetworkId(), f
```

deleteActionLinkGroupDefinition(communityId, actionLinkGroupId)

Delete an action link group definition. Deleting an action link group definition removes all references to it from feed elements.

API Version

33.0

```
public static void deleteActionLinkGroupDefinition(String communityId, String actionLinkGroupId)
```

Parameters

communityId

  Type: String

  ID for an Experience Cloud site, `internal`, or `null`.

actionLinkGroupId

  Type: String

  The ID of the action link group.

Return Value

Type: Void

Usage

Information in the action link group definition can be sensitive to a third party (for example, OAuth bearer token headers). For this reason, only calls made from the Apex namespace that created the action link group definition can read, modify, or delete the definition. In addition, the user making the call must have created the definition or have View All Data permission.

getActionLink(communityId, actionLinkId)

Get information about an action link, including state for the context user.

API Version

33.0

Requires Chatter

No

Signature

```
public static ConnectApi.PlatformAction getActionLink(String communityId, String actionLinkId)
```

Parameters

communityId

  Type: String

  ID for an Experience Cloud site, `internal`, or `null`.

actionLinkId

  Type: String

  The ID of the action link.

Return Value

Type: `ConnectApi.PlatformAction`

getActionLinkDiagnosticInfo(communityId, actionLinkId)

Get diagnostic information returned when an action link executes. Diagnostic information is given only for users who can access the action link.

No

Signature

```
public static ConnectApi.ActionLinkDiagnosticInfo getActionLinkDiagnosticInfo(String communityId, String
actionLinkId)
```

Parameters

communityId

  Type: String

  ID for an Experience Cloud site, `internal`, or `null`.

actionLinkId

  Type: String

  The ID of the action link.

Return Value

Type: `ConnectApi.ActionLinkDiagnosticInfo`

getActionLinkGroup(communityId, actionLinkGroupId)

Get information about an action link group including state for the context user.

API Version

33.0

Requires Chatter

No

Signature

```
public static ConnectApi.PlatformActionGroup getActionLinkGroup(String communityId, String
actionLinkGroupId)
```

Parameters

communityId

  Type: String

  ID for an Experience Cloud site, `internal`, or `null`.

actionLinkGroupId

  Type: String

  The ID of the action link group.

Return Value

Type: `ConnectApi.PlatformActionGroup`

Usage

All action links must belong to a group. Action links in a group are mutually exclusive and share some properties. Action link groups are accessible by clients, unlike action link group definitions.

getActionLinkGroupDefinition(communityId, actionLinkGroupId)

Requires Chatter

No

Signature

```
public static ConnectApi.ActionLinkGroupDefinition getActionLinkGroupDefinition(String communityId, String actionLinkGroupId)
```

Parameters

communityId

Type: String

ID for an Experience Cloud site, `internal`, or `null`.

actionLinkGroupId

Type: String

The ID of the action link group.

Return Value

Type: `ConnectApi.ActionLinkGroupDefinition`

Usage

Information in the action link group definition can be sensitive to a third party (for example, OAuth bearer token headers). For this reason, only calls made from the Apex namespace that created the action link group definition can read, modify, or delete the definition. In addition, the user making the call must have created the definition or have View All Data permission.

DEVELOPER CENTERS

Heroku

MuleSoft

Tableau

Commerce Cloud

Lightning Design System

Einstein

Quip

POPULAR RESOURCES

Documentation

Component Library

APIs

Trailhead

Sample Apps

Podcasts

AppExchange

COMMUNITY

Trailblazer Community

Events and Calendar

Partner Community

Blog

Salesforce Admins

Salesforce Architects

Privacy Information   Terms of Service   Legal   Use of Cookies   Trust   Cookie Preferences

Your Privacy Choices   Responsible Disclosure   Contact