



FeatureManagement Class

Use the methods in the `System.FeatureManagement` class to check and modify the values of feature parameters, and to show or hide custom objects and custom permissions in your subscribers' orgs.

Namespace

System

Usage

For information about feature parameters, see [Manage Features in Second Generation Managed Packages](#) in the *Second-Generation Managed Packaging Developer Guide*, or [Manage Features in First-Generation Managed Packages](#) in the *First-Generation Managed Packaging Developer Guide*.

The set methods (`setPackageBooleanValue`, `setPackageDateValue`, `setPackageIntegerValue`) use DML operations on setup sObjects. To learn more about mixing operations in a test, see [Mixed DML Operations in Test Methods](#).

- [FeatureManagement Methods](#)

FeatureManagement Methods

The following are methods for `FeatureManagement`.

- **`changeProtection(apiName, typeApiName, protection)`**
Hides or reveals custom permissions, or reveals custom objects, in your subscriber's org.
- **`checkPackageBooleanValue(apiName)`**
Checks the `value__c` value of the `FeatureParameterBoolean__c` record for a feature parameter in your subscriber's org. You set the record's value using `setPackageBooleanValue(apiName, value)`.
- **`checkPackageDateValue(apiName)`**
Checks the `value__c` value of the `FeatureParameterDate__c` record for a feature parameter in your subscriber's org. You can set the record's value using `setPackageDateValue(apiName, value)`.
- **`checkPackageIntegerValue(apiName)`**
Checks the `value__c` value of the `FeatureParameterInteger__c` record for a feature parameter in your subscriber's org. You can set the record's value using `setPackageIntegerValue(apiName, value)`.
- **`checkPermission(apiName)`**
Checks whether a custom permission is enabled.
- **`setPackageBooleanValue(apiName, value)`**
Sets the `value__c` value of the `FeatureParameterBoolean__c` record for a subscriber-to-LMO feature parameter in your subscriber's org. You can check the record's value using `checkPackageBooleanValue(apiName)`.
- **`setPackageDateValue(apiName, value)`**
Sets the `value__c` value of the `FeatureParameterDate__c` record for a subscriber-to-LMO feature parameter in your subscriber's org. You can check the record's value using `checkPackageDateValue(apiName)`.



changeProtection(apiName, typeApiName, protection)

Hides or reveals custom permissions, or reveals custom objects, in your subscriber's org.

Signature

```
public static void changeProtection(String apiName, String typeApiName, String protection)
```

Parameters

apiName

Type: [String](#)

The API name of the custom object or custom permission to show or hide—for example, 'MyCustomObject__c' or 'MyCustomPermission'.

typeApiName

Type: [String](#)

The API name of the type that you want to show or hide: 'CustomObject' or 'CustomPermission'.

protection

Type: [String](#)

To show a custom object or custom permission, 'Unprotected'.

To hide a custom permission, 'Protected'.

Return Value

Type: void

Usage



Warning

For custom permissions, you can toggle the protected value indefinitely. However, after you've released unprotected objects to subscribers, you can't set visibility to Protected. Be sure to protect any custom objects that you want to hide before you release the first package version that contains them.

To hide custom permissions in released packages:

```
FeatureManagement.changeProtection('YourCustomPermissionName', 'CustomPermission',  
    'Protected');
```

To unhide custom permissions and custom objects in released packages:

```
FeatureManagement.changeProtection('YourCustomPermissionName', 'CustomPermission',  
    'Unprotected');
```

```
FeatureManagement.changeProtection('YourCustomObjectName__c', 'CustomObject',  
    'Unprotected');
```

checkPackageBooleanValue(apiName)



```
public static Boolean checkPackageBooleanValue(String apiName)
```

Parameters

apiName

Type: [String](#)

The `fullName__c` value of the feature parameter whose value you want to check—for example, `'SpecialAccessAvailable'`.

Return Value

Type: [Boolean](#)

The value that's currently assigned to the `value__c` field on the `FeatureParameterBoolean__c` record that associates the feature parameter with its related license.

checkPackageDateValue(apiName)

Checks the `value__c` value of the `FeatureParameterDate__c` record for a feature parameter in your subscriber's org. You can set the record's value using `setPackageDateValue(apiName, value)`.

Signature

```
public static Date checkPackageDateValue(String apiName)
```

Parameters

apiName

Type: [String](#)

The `fullName__c` value of the feature parameter whose value you want to check—for example, `'TrialExpirationDate'`.

Return Value

Type: [Date](#)

The value that's currently assigned to the `value__c` field on the `FeatureParameterDate__c` record that associates the feature parameter with its related license.

checkPackageIntegerValue(apiName)

Checks the `value__c` value of the `FeatureParameterInteger__c` record for a feature parameter in your subscriber's org. You can set the record's value using `setPackageIntegerValue(apiName, value)`.

Signature

```
public static Integer checkPackageIntegerValue(String apiName)
```

Parameters

apiName

Type: [String](#)

The `fullName__c` value of the feature parameter whose value you want to check—for example, `'NumberOfLicenses'`.

Return Value

Type: [Integer](#)



Checks whether a custom permission is enabled.

Signature

```
public static Boolean checkPermission(String apiName)
```

Parameters

apiName

Type: [String](#)

The API name of the custom permission to check the value of—for example, 'MyCustomPermission'.

Return Value

Type: [Boolean](#)

Shows whether the permission is enabled (`true`) or disabled (`false`).

setPackageBooleanValue(apiName, value)

Sets the `value__c` value of the `FeatureParameterBoolean__c` record for a subscriber-to-LMO feature parameter in your subscriber's org. You can check the record's value using `checkPackageBooleanValue(apiName)`.

Signature

```
public static void setPackageBooleanValue(String apiName, Boolean value)
```

Parameters

apiName

Type: [String](#)

The `fullName__c` value of the feature parameter whose value you want to set—for example, 'SpecialAccessAvailable'.

value

Type: [Boolean](#)

The value to assign to the `value__c` field on the `FeatureParameterBoolean__c` record that associates the feature parameter with its related license.

Return Value

Type: void

setPackageDateValue(apiName, value)

Sets the `value__c` value of the `FeatureParameterDate__c` record for a subscriber-to-LMO feature parameter in your subscriber's org. You can check the record's value using `checkPackageDateValue(apiName)`.

Signature

```
public static void setPackageDateValue(String apiName, Date value)
```

Parameters

apiName

Type: [String](#)



Type: [Date](#)

The value to assign to the `value__c` field on the `FeatureParameterDate__c` record that associates the feature parameter with its related license.

Return Value

Type: void

setPackageIntegerValue(apiName, value)

Sets the `value__c` value of the `FeatureParameterInteger__c` record for a subscriber-to-LMO feature parameter in your subscriber's org. You can check the record's value using `checkPackageIntegerValue(apiName)`.

Signature

```
public static void setPackageIntegerValue(String apiName, Integer value)
```

Parameters

apiName

Type: [String](#)

The `fullName__c` value of the feature parameter whose value you want to set—for example, `'NumberOfLicenses'`.

value

Type: [Integer](#)

The value to assign to the `value__c` field on the `FeatureParameterInteger__c` record that associates the feature parameter with its related license.

Return Value

Type: void

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