



# SObjectAccessDecision Class

Contains the results of a call to the [Security.stripInaccessible](#) method and methods to retrieve those results.

## Namespace

[System](#)

- [SObjectAccessDecision Methods](#)

## SObjectAccessDecision Methods

The following are methods for `SObjectAccessDecision`.

- [getModifiedIndexes\(\)](#)  
Returns the indexes of sObjects that are modified by the `stripInaccessible` method.
- [getRecords\(\)](#)  
Returns a list of new sObjects that are identical to the source records, except that they are stripped of fields that fail the field-level security check for the current user.
- [getRemovedFields\(\)](#)  
Returns a map of sObject types to their corresponding inaccessible fields. The map key is a string representation of the sObject type. The map value is a set of strings, which denote the fields names that are inaccessible.

### getModifiedIndexes()

Returns the indexes of sObjects that are modified by the [stripInaccessible](#) method.

#### Signature

```
public Set<Integer> getModifiedIndexes()
```

#### Return Value

Type: [Set<Integer>](#)

A set of unsigned integers that represent the row indexes of the modified sObjects.

#### Example

In this example, the user doesn't have permission to update the `AnnualRevenue` field of an `Account`.

```
List<Account> accounts = new List<Account>{
    new Account(Name='Account1', AnnualRevenue=1000),
    new Account(Name='Account2')
};

// Strip fields that are not updatable
SObjectAccessDecision decision = Security.stripInaccessible(
    AccessType.UPDATABLE,
    accounts);

// Print stripped records
```



## getRecords()

Returns a list of new sObjects that are identical to the source records, except that they are stripped of fields that fail the field-level security check for the current user.

### Usage

The [stripInaccessible](#) method performs field-level access check for the source records in the context of the current user's operation. The `getRecords()` method returns the new records that contain only the fields that the current user has access to.

### Signature

```
public List<SObject> getRecords()
```

### Return Value

Type: [List<SObject>](#)

Even if the result list contains only one sObject, the return type is still a list (of size one).

### Example

In this example, the user doesn't have permission to update the `AnnualRevenue` field of an Account.

```
List<Account> accounts = new List<Account>{
    new Account(Name='Account1', AnnualRevenue=1000),
    new Account(Name='Account2')
};

// Strip fields that are not updatable
SObjectAccessDecision decision = Security.stripInaccessible(
    AccessType.UPDATABLE,
    accounts);

// Print stripped records
for (SObject strippedAccount : decision.getRecords()) {
    System.debug(strippedAccount);
}
```

## getRemovedFields()

Returns a map of sObject types to their corresponding inaccessible fields. The map key is a string representation of the sObject type. The map value is a set of strings, which denote the fields names that are inaccessible.

### Signature

```
public Map<String,Set<String>> getRemovedFields()
```

### Return Value

Type: [Map<String,Set<String>>](#)

### Example

In this example, the user doesn't have permission to update the `AnnualRevenue` field of an Account.



```
// Strip fields that are not updatable
SObjectAccessDecision decision = Security.stripInaccessible(
    AccessType.UPDATABLE,
    accounts);

// Print stripped records
for (SObject strippedAccount : decision.getRecords()) {
    System.debug(strippedAccount);
}

// Print removed fields
System.debug(decision.getRemovedFields());
```

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