

# SYSTEM.TYPEEXCEPTION: DML ON GENERIC LIST ONLY ALLOWED FOR INSERT, UPDATE OR DELETE

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## When the error will appear?

You cannot upsert a List of SObject.

## How to reproduce the issue?

Nothing special, just create a list of SObject, add one Account record and try to upsert the list. Try to execute the next code in the Anonymous Window.

```
List<SObject> recordsList = new List<SObject>();
recordsList.add(new Account(
    Name = 'Buster'
));

upsert recordsList;
```

## Is there any workaround?

The workaround for this problem casts a list of records to a specific type.

```
public inherited sharing class ObjectUtils {
    // dynamically instantiate the List of SObjectis to a List of a concrete SObject type.
    public static List<SObject> castToType(List<SObject> sourceList, Schema.SObjectType targetType) {
        List<SObject> resultCasttList = (List<SObject>) System.Type.forName("List<" + targetType + ">").newInstance();
        resultCasttList.addAll(sourceList);
        return resultCasttList;
    }
}
```

Let's modify our code using the ObjectUtils class.

```
List<SObject> recordsList = new List<SObject>();
recordsList.add(new Account(
    Name = 'Buster'
));

List<SObject> convertedRecordsList = ObjectUtils.castToType(recordsList, Account.SObjectType);
upsert convertedRecordsList;
```