

# MULTI RECORD IMPLEMENTATION

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## OVERVIEW

### 1. Stored Procedures Required

We need 3 stored procedures for multi record implementation.

1. **usp\_RptTblCreation** (Dynamic table creation)
2. **usp\_UpdateRptSubformTbl** (Inserting and updating the subform tables created)
3. **usp\_GetRptSubformDetails** (Fetching data from subform tables)

### 2. Functionality

#### 1) usp\_RptTblCreation

##### Input parameters

- i. @subform\_id int
- ii. @subform\_name varchar(100)

- When a sub form is inserted and 'is reportable' is enabled from its field settings, This sp is called and that subform\_id and name is passed as input parameters.
- From forms table ,we'll fetch the definition\_xml for the subform\_id specified.We'll create a table with name as something like 'RptTbl\_subformname\_id'and column names as each fieldname defined in the definition\_xml.

The created table will have these additional columns-

- 1) Id
- 2) Form\_id
- 3) User\_id
- 4) Connid
- 5) Contactid
- 6) Connectionid
- 7) CreatedBy
- 8) CreatedAt

- After that we'll insert into **ReportTableMaster** these things-  
 TableId - Identity value  
 TableName - @subform\_name  
 TableDisplayName - @subform\_name  
 TableType - Ancillary ,  
 if there is no record for that subform in **ReportTableMaster**.
- Then insert/update field details into, **ReportFieldMaster** and **ReportFieldMasterBase** tables
- Finally it Inserts field relation details between master and ancillary tables into **ReportTblRelation** table.

## 2) **usp\_UpdateRptSubformTbl**

### **Input parameters**

**@xml\_data xml**

### **Sample Format-**

```
<xml>
<txt_001>Field Value 1</txt_001>
<txt_002> Field Value 2</txt_002>
.....
<subform_field_name>subform_001</subform_field_name>
</xml>
```

From the **@xml\_data** we'll separate the field names and values, and insert/update the corresponding subform table.

### 3) usp\_GetRptSubformDetails

#### Input parameters

- i. @form\_id
- ii. @subform\_name

Retrieval of sub form data for the corresponding @subform\_name inside the form with id @form\_id

#### APPROVAL AND AUTHORITY TO PROCEED

Name	Date

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Approved                      Date  
By