

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

Approved By Date