

How to deploy and use Function logs

1. Create the DB table of logs header, the name is "ZTBCLOGS_RLGK", and activate it.

Dictionary: Display Table

Transp. Table: ZTBCLOGS_RLGK Active

Short Description: Log General Header

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

1 / 11

| Field | Key | Ini... | Data element | Data T... | Length | Deci... | Short Description | Group |
|--------------|-------------------------------------|-------------------------------------|-----------------|-----------|--------|---------|--|-------|
| MANDT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | MANDT | CLNT | 3 | | 0 Client | |
| ZLOGSNUM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | APB_LPD_GUID | CHAR | 32 | | 0 GUID | |
| PLUG_TYPE | <input type="checkbox"/> | <input type="checkbox"/> | WDY_PLUG_TYPE | MC | 1 | | 0 Web Dynpro: Plug Type | |
| FUNCTNAME | <input type="checkbox"/> | <input type="checkbox"/> | RS38L_FNAM | CHAR | 30 | | 0 Name of Function Module | |
| FINAL_STATIS | <input type="checkbox"/> | <input type="checkbox"/> | SWFMIG_STEP_STA | CHAR | 1 | | 0 STEP STATUS | |
| DESTINATION | <input type="checkbox"/> | <input type="checkbox"/> | RFCDEST | CHAR | 32 | | 0 Logical Destination (Specified in Function Call) | |
| EXTERNALID | <input type="checkbox"/> | <input type="checkbox"/> | COMT_SCE_GUID_E | CHAR | 32 | | 0 External 32 Digit GUID | |
| OUT_URL | <input type="checkbox"/> | <input type="checkbox"/> | URL | CHAR | 132 | | 0 Uniform resource locator | |
| ERDAT | <input type="checkbox"/> | <input type="checkbox"/> | ERDAT | DATS | 8 | | 0 Date on which the record was created | |
| ERZET | <input type="checkbox"/> | <input type="checkbox"/> | UZEIT | TIMS | 6 | | 0 Time | |
| ERNAM | <input type="checkbox"/> | <input type="checkbox"/> | ERNAM | CHAR | 12 | | 0 Name of Person who Created the Object | |

2. Create the DB table of logs content, the name is "ZTBCLOGS_RLGD", and activate it.

Dictionary: Display Table

Transp. Table: ZTBCLOGS_RLGD Active

Short Description: Detail Data for Log

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

1 / 10

| Field | Key | Ini... | Data element | Data T... | Length | Deci... | Short Description | Gr |
|------------|-------------------------------------|-------------------------------------|--------------|-----------|--------|---------|---|----|
| MANDT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | MANDT | CLNT | 3 | | 0 Client | |
| ZLOGSNUM | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | APB_LPD_GUID | CHAR | 32 | | 0 GUID | |
| ZINDEX | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SYTABIX | INT4 | 10 | | 0 Index of Internal Tables | |
| PARAMTYPE | <input type="checkbox"/> | <input type="checkbox"/> | RS38L_KIND | CHAR | 1 | | 0 Parameter type | |
| ZPARAMETER | <input type="checkbox"/> | <input type="checkbox"/> | RS38L_PAR | CHAR | 30 | | 0 Parameter name | |
| NAME_FELD | <input type="checkbox"/> | <input type="checkbox"/> | NAME_FELD | CHAR | 30 | | 0 Field name | |
| VALUE | <input type="checkbox"/> | <input type="checkbox"/> | UMGAFLDVAL | CHAR | 100 | | 0 Field value | |
| PARA_KIND | <input type="checkbox"/> | <input type="checkbox"/> | | CHAR | 1 | | 0 S:Structure T:Table E:Element | |
| ZREFTYPE | <input type="checkbox"/> | <input type="checkbox"/> | RS38L_TYP | CHAR | 132 | | 0 Associated Type of an Interface Parameter | |
| ZPARENT_IX | <input type="checkbox"/> | <input type="checkbox"/> | SYTABIX | INT4 | 10 | | 0 Index of Internal Tables | |

3. Create the DB table to set enable the log function, and activate it.

Transp. Table: ZTBCLOGS_ACT Active

Short Description: Active status for logs

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

1 / 3

| Field | Key | Ini... | Data element | Data T... | Length | Deci... | Short Description |
|--------|-------------------------------------|-------------------------------------|--------------|-----------|--------|---------|---------------------------|
| MANDT | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | MANDT | CLNT | 3 | | 0 Client |
| NAME | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | RS38L_FNAM | CHAR | 30 | | 0 Name of Function Module |
| ACTIVE | <input type="checkbox"/> | <input type="checkbox"/> | AKTIVUN_BA | CHAR | 1 | | 0 Flag: active |

4. Create the DB structure for report show data, Name is "ZSFUNCPARAS", and activate it.

Dictionary: Display Structure

Structure: ZSFUNCPARAS Active

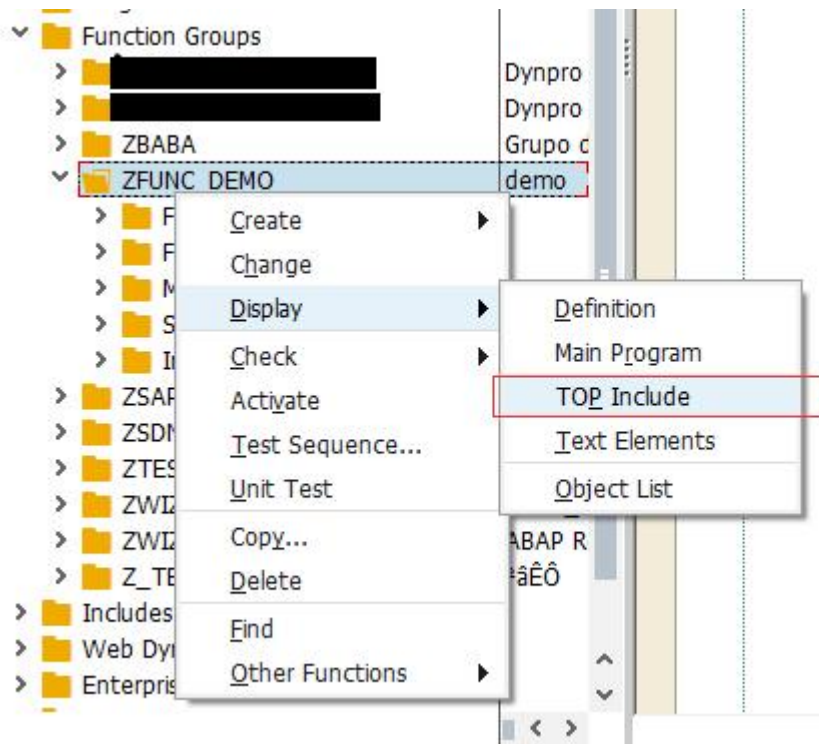
Short Description: function parameters

Attributes Components Entry help/check Currency/quantity fields

Predefined Type 1 / 3

| Component | RT... | Component type | Data Type | Length | Deci... | Short Description | Group |
|-----------|--------------------------|----------------|-----------|--------|---------|---|-------|
| PARAMETER | <input type="checkbox"/> | RS38L_PAR | CHAR | 30 | | 0 Parameter name | |
| PARAMTYPE | <input type="checkbox"/> | RS38L_KIND | CHAR | 1 | | 0 Parameter type | |
| STRUCTURE | <input type="checkbox"/> | RS38L_TYP | CHAR | 132 | | 0 Associated Type of an Interface Parameter | |

5. Use transaction code SE38 to create the include program, the name is 'ZBCLOGSINC'.
6. Use transaction code SE38 to create the executable program, the name is 'ZBCLOGSREP'.
7. Copy the code into the corresponding program, And then activate them.
8. When you want to record the data for function parameter, Just goto function group "TOP include" program to insert a row statements and in function module call a macro.



Goto "Top Include" program

Include LZFUNC_DEMOTOP Active

```
1 FUNCTION-POOL ZFUNC_DEMO. "MESSAGE-ID ..
2
3 INCLUDE zbclogsinc.
```

Insert "include" statement.

Function module ZFUNC_DEMO_1 Active

Attributes Import Export Changing Tables Exceptions Source code

```

1 FUNCTION zfunc_demo_1.
2  *-----
3  ***Local Interface:
4  **  IMPORTING
5  **      REFERENCE(I_PARA1) TYPE  CHAR100
6  **      REFERENCE(I_PARA2) TYPE  SCARR
7  **  TABLES
8  **      T_SAIRPORT STRUCTURE  SAIRPORT
9  *-----
10
11  save_para_data.
12
13 ENDFUNCTION.

```

Call the marco

- Set DB table "ZTBCLOGS_ACT" to enable log function.

New Entries: Overview of Added Entries

Active status for logs

| Function Module | Active |
|-----------------|-------------------------------------|
| ZFUNC_DEMO_1 | <input checked="" type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |

- Excute the Function Module to test the function.

Test Function Module: Result Screen

Test for function group ZFUNC_DEMO
Function module ZFUNC_DEMO_1
Uppercase/Lowercase ☐

Runtime: 33.747 Microseconds

| Import parameters | Value |
|-------------------|-------------------|
| I_PARA1 | THIS IS DEMO |
| I_PARA2 | 001002003 004 005 |

| Tables | Value |
|------------|-----------|
| T_SAIRPORT | 5 Entries |
| Result: | 5 Entries |

11. Use the transaction code SE11 to view the data .

Data Browser: Table ZTBCLOGS_RLKG Select Entries 1

| MANDT | ZLOGSNUM | PLUG_TYPE | FUNCNAME | FINAL_STAUS | DESTINATION | EXTERNALID | OUT_URL | ERDAT | ERZET | ERNAM |
|-------|----------------------------------|-----------|--------------|-------------|-------------|------------|---------|------------|----------|-------|
| 000 | E637D61CCE5684F1855B000C294C6442 | | ZFUNC_DEMO_1 | | | | | 22.06.2016 | 01:32:23 | GAOWW |

Table Entry Edit Goto Settings System Help

Data Browser: Table ZTBCLOGS_RLGD Select Entries 40

| MANDT | ZLOGSNUM | ZINDEX | PARAMTYPE | ZPARAMETER | NAME_FELD | VALUE | PARA_KIND | ZREFTYPE | ZPARENT_ID |
|-------|----------------------------------|--------|-----------|------------|-----------|----------------|-----------|------------|------------|
| 000 | E637D61CCE5684F1855B000C294C6442 | 1 | I | I_PARA1 | | THIS IS DEMO | E | CHAR100 | 0 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 2 | I | I_PARA2 | | %STRUCT_BEGIN% | S | SCARR | 0 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 8 | I | I_PARA2 | | %STRUCT_END% | S | SCARR | 0 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 4 | I | I_PARA2 | CARRID | 002 | E | S_CARR_ID | 2 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 5 | I | I_PARA2 | CARRNAME | 003 | E | S_CARRNAME | 2 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 6 | I | I_PARA2 | CURRCODE | 004 | E | S_CURRCODE | 2 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 3 | I | I_PARA2 | MANDT | 001 | E | S_MANDT | 2 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 7 | I | I_PARA2 | URL | 005 | E | S_CARRURL | 2 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 22 | T | T_SAIRPORT | | %STRUCT_BEGIN% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 16 | T | T_SAIRPORT | | %STRUCT_BEGIN% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 28 | T | T_SAIRPORT | | %STRUCT_BEGIN% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 34 | T | T_SAIRPORT | | %STRUCT_BEGIN% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 10 | T | T_SAIRPORT | | %STRUCT_BEGIN% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 33 | T | T_SAIRPORT | | %STRUCT_END% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 15 | T | T_SAIRPORT | | %STRUCT_END% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 27 | T | T_SAIRPORT | | %STRUCT_END% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 39 | T | T_SAIRPORT | | %STRUCT_END% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 21 | T | T_SAIRPORT | | %STRUCT_END% | S | | 9 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 9 | T | T_SAIRPORT | | %TABLE_BEGIN% | T | SAIRPORT | 0 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 40 | T | T_SAIRPORT | | %TABLE_END% | T | SAIRPORT | 0 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 12 | T | T_SAIRPORT | ID | 102 | E | S_AIRPORT | 10 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 18 | T | T_SAIRPORT | ID | 202 | E | S_AIRPORT | 16 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 24 | T | T_SAIRPORT | ID | 302 | E | S_AIRPORT | 22 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 30 | T | T_SAIRPORT | ID | 402 | E | S_AIRPORT | 28 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 36 | T | T_SAIRPORT | ID | 502 | E | S_AIRPORT | 34 |
| 000 | E637D61CCE5684F1855B000C294C6442 | 11 | T | T_SAIRPORT | MANDT | 101 | E | S_MANDT | 10 |

12. We have a reporting program "ZBCLOGSREP", more easily view the logging contents. So let's goto the transaction code SE38 to try it .

Program ZBCLOGSREP

Number to

Applic. Type to

Function Module to

Status to

RFC Destination to

SCE_GUID_32 to

URL to

Created on to

Time 00:00:00 to 00:00:00

Created by to

Program ZBCLOGSREP

Logs List

| GUID | AppType | Function Module | STEP | STAT | Dest. | SCEG32 URL | Created on | Time | Created |
|----------------------------------|---------|-----------------|------|------|-------|------------|------------|----------|---------|
| E637D61CCE5684F1855B000C294C6442 | | ZFUNC_DEMO_1 | | | | | 22.06.2016 | 01:32:23 | GAOWW |

double click

Program ZBCLOGSREP

Parameter Data

| Param.name | Par. Type | Assoc.Type |
|------------|-----------|--------------|
| I_PARA1 | I | THIS IS DEMO |
| I_PARA2 | I | |
| T_SAIRPORT | T | |

double click

Program ZBCLOGSREP

Structure Contant :I_PARA2

| Parameter Name | Par. Type | Assoc.Type |
|------------------|-----------|------------|
| I_PARA2-MANDT | E | 001 |
| I_PARA2-CARRID | E | 002 |
| I_PARA2-CARRNAME | E | 003 |
| I_PARA2-CURRCODE | E | 004 |
| I_PARA2-URL | E | 005 |

Program ZBCLOGSREP

Parameter Data

| Param.name | Par. Type | Assoc.Type |
|------------|-----------|--------------|
| I_PARA1 | I | THIS IS DEMO |
| I_PARA2 | I | |
| T_SAIRPORT | T | |

double click

Program ZBCLOGSREP

Table Contant :T_SAIRPORT

| Airport | Airport | TimeZone |
|---------|---------|----------|
| 102 | 103 | 104 |
| 202 | 203 | 204 |
| 302 | 303 | 304 |
| 402 | 403 | 404 |
| 502 | 503 | 504 |

