

Incorporating DB2 Tablespaces and SQL/DS DBspaces

Prerequisites

Incorporation of DB2 objects is subject to DB2 security mechanisms. See the section **DB2 and SQL/DS in the Predict and Other Systems documentation**.

Note:

See Concepts of Incorporation for basic information on how to use incorporation functions.

Selecting Tablespaces

The Incorporate DB2 Tablespaces screen is called with function code I and object code TS in a Predict main menu or with the command INCORPORATE TABLESPACE.

```
09:28:15          ***** P R E D I C T  4.2.2  *****
Plan    0          - Incorporate DB2 Tablespaces -
                                                              
                                                              
Tablespace name ......

Select options
Creator name .....
DB2 database name ...

Processing option
Connect automatic ... N (Y,N)
```

Parameters	
Tablespace name	Name of DB2 tablespace. Asterisk notation is allowed.
Creator name	Name of tablespace creator. Asterisk notation is allowed.
DB2 database name	Name of DB2 database. Protected when processing SQL/DS DBspaces. Asterisk notation is allowed.
Connect automatic	Y The DB2 Tablespace and the Predict object will be connected by the Compare function (code T) if no differences are detected between the file lists of the two objects.

13:13:06	***** P R E D I C T 4.2.2 *****	2002-07-31
- Incorporate DB2 Tablespaces -		
Search-crit.: Tablespace name=ALL		
DB2	Tablespace	PREDICT
Cmd database	name	dataspace ID
Remark		
___ ABAG	ABAGTS01	DA missing
___ ABAG	ABAGTS02	DA missing
___ ABAG	ABAGTS03	DA missing
___ ABAG	ABAGTS04	DA missing
___ ABAG	ABAGTS05	DA missing
___ BGCDA	AAB\$PACE	SC missing
___ BGCDA	TABSPACE	SC missing
___ DB01	TS01	DA missing

Columns in the List	
DB2 database	Name of the database containing the tablespace.
Tablespace name	Name of the tablespace.
Predict dataspace ID	ID of the Predict dataspace object documenting the DB2 tablespace.
Remark	
Any of the following type-specific remarks or blank. For type-independent remarks see Remarks which apply to all Object Types.	
DA missing, ST missing	The DB2 database or storagegroup are not documented in Predict. Incorporation is not possible.

Incorporation Functions for Tablespaces

The functions T, C, M and I apply.

Compare - Code T

Compares DB2 tablespaces and corresponding Predict dataspace objects. Differences between file lists and tablespace/dataspace attributes are reported.

If no differences are found and Connect automatic is set to Y, the tablespace/DBspace and the Predict dataspace object are connected.

Connect - Code C

Connects DB2 tablespaces to Predict dataspace object and

- copies current information from the DB2/SQL/DS catalog to the dictionary object
- writes to the generation log of the Predict dataspace object that a corresponding implemented database existed when the connection was established.

Display Masters - Code M

The DB2 databases and storagegroups a tablespace is related to must be documented in Predict before the tablespace can be incorporated. The incorporation function M can be used to identify all objects that are missing. These can then be incorporated before the tablespace is incorporated.

Incorporate - Code I

Scope of the Incorporation

- A Predict dataspace object is created for each tablespace and connected to the tablespace.
- The dataspace object is linked to the corresponding database in Predict via association *Contains DC*.

Before the function is executed, enter the following parameters in an additional input screen. Dataspace ID is mandatory, List incorporated code is optional

Incorporation Options	
Dataspace ID	ID of the Predict dataspace object. The DB2 tablespace name is displayed and can be accepted or overwritten.
List incorporated code	Y Display what has been incorporated as attributes of the dataspace object.

Incorporate DB2 Tablespaces in Batch Mode

Command: INCORPORATE TABLESPACE

Enter parameters on next line using positional or keyword form.

Field	Keyword	Position
Tablespace name	TBSpace	1
Creator name	CREATOR	2
DB2 database name	DB2NAME	3
Connect automatic	AUTO-CONNECT	4
Function	SUB-FUNCTION	5
Dataspace ID	DSSPACE-ID	6
List incorporated code	LIST	7

Example

To incorporate the DB2 Tablespace with the DB2 tablespace name 'SYSDBASE' with dataspace ID 'TEST-TS' and display the dataspace attributes, code the command:

```
INCORPORATE TABLESPACE
TBSpace=SYSDBASE , SUB-FUNCTION=I , DSSPACE-ID=TEST-TS ,
LIST=Y
```

or

```
INCORPORATE TABLESPACE
SYSDBASE , , , I , TEST-TS , Y
```

Note: The example above uses the Natural parameters ID=, and IA==

