

Incorporating DB2 Databases

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 DB2 Databases

The Incorporate DB2 database screen is called with function code I and object code D2 in a Predict main menu or with the command INCORPORATE DB2.

```

09:23:24          ***** P R E D I C T  4.2.2  *****          2002-07-31
Plan    0          - Incorporate DB2 Databases -

DB2 database name ....

Select option
  Creator name .....

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

Parameters	
DB2 database name	DB2 database name. Asterisk notation is allowed.
Creator name	Creator name. Asterisk notation is allowed.
Connect automatic	Y The DB2 database and the Predict object will be connected by the Compare function (code T) if no differences were detected between the file lists of the two objects.

Databases which meet the selection criteria and are not already connected to a Predict database object will then be listed as follows.

```

13:09:09          ***** P R E D I C T 4.2.2 *****          2002-07-31
- Incorporate DB2 Databases -
Search-crit.: DB2 database name=ALL
Database Default
Cmd Creator name stogroup PREDICT database ID Remark
___ BHD ABAG SYSDEFLT
___ BHD ADAPT1 SYSDEFLT
___ BHD DSNCV SYSDEFLT
___ BHD DSNDB07 SYSDEFLT
___ BHD DSNDDF SYSDEFLT
___ BHD DSNRGFDB SYSDEFLT
___ BHD DSNRLST SYSDEFLT
___ BHD LANDMARK LMRK0001 SC missing
___ BHD RISPADB RISPASTO SC missing
    
```

Columns in the List	
Creator	Creator of the database.
Database name	Name of the database
Predict database ID	ID of Predict database object for a DB2 database with this DB2 name.
Remark	
Either the following type-specific remark or blank. For type-independent remarks see Remarks which apply to all Object Types.	
SC missing	Default storagegroup is not documented. Incorporation is not possible.

Incorporation Functions for DB2 Databases

The functions T, C and I apply.

Compare - Code T

Compares the database and the Predict database object and reports differences between attributes and file lists.

If no differences between the file lists are found and Connect automatic is set to Y, the dictionary object is connected to the database.

Connect - Code C

Connects the DB2 database to the corresponding Predict database object and

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

Incorporate - Code I

Scope of the Incorporation

- Creates a database object of type D with attributes documenting the database.
- The new database object is linked to the Predict object documenting the current virtual machine via association *Contains DA*.
- Connects the database and the Predict database object.

Before the function is executed, specify the following parameters in an additional input screen. The parameter Database ID is mandatory, the other parameter optional

Incorporation Options	
Database ID	ID of the new Predict database object. The creator and DB2 name of the database joined by a hyphen is displayed and can be accepted or overwritten.
List incorporated code	Y the values of all attributes incorporated for the database are to be listed.

Incorporate DB2 Databases in Batch Mode

Command: INCORPORATE DB2-DATABASE

Enter parameters on next line using positional or keyword form.

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

Example

To incorporate the DB2 database 'DSN8D13A' as database object in Predict with ID 'TEST-DB' and display the database attributes, code the command:

```
INCORPORATE DB2
DB2NAME=DSN8D13A , SUB-FUNCTION=I , DATABASE-ID=TEST-DB , LIST=Y
```

or

```
INCORPORATE DB2
DSN8D13A , , I , TEST-DB , Y
```

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