

# DB2

DB2 tables and views can be documented in Predict with file objects of type D and E respectively. These file objects can be used to generate DDMs or CREATE TABLE/VIEW statements.

## Naming Conventions

The following naming conventions apply to files documenting DB2 tables and views.

### Upper / lower case

File IDs must be entered in upper case. If the parameter General Defaults > Miscellaneous > Upper/lower case / Object ID is set to L, lower-case IDs are not converted to upper case and an error message is given.

### Hyphens

- A hyphen is used to delimit the creator from the table/view name.
- Only one hyphen is permitted in the ID of a DB2 table/view object.
- When a table or view is generated from the Predict file object, the hyphen is converted to a period.

### Length

- Table/View names for DB2 objects can have up to 18 characters.
- A fully qualified ID (Creator + Hyphen + Table/View name) must not exceed 27 characters.

### Permitted characters

See overview of permitted characters in the section Naming Conventions.

## DB2 Table, File Type D

```

13:36:40          ***** P R E D I C T  4.2.2  *****          2002-07-31

File ID ..... HNO-DB2                      Added 2002-07-31 at 13:34
Type ..... DB2 table                        by HNO
Contained in DA .
Keys ..                                     Zoom: N

Literal name .....
Average count .....
Stability .....*   Not specified
DB2 attributes
  Number of partitions ..                   CCSID .....* A ASCII
  Edit program .....                       Temporary ...* N (Y/N)
  Validation program ....
  Audit .....* N
  OBid .....
  Data capture ..... N (Y/N)
  Restrict on drop ..... (Y/N)
  Check constraint name .
Abstract      Zoom: N

EDIT:  Owner: N  Desc: N  Has Fields: N  Check expression: N

```

**Note:**

Parameters not listed below are described in other sections of this documentation:

Parameters common to all object types, for example Keys, are described under Global Attributes.

Parameters common to all file types, for example Literal name, are described under Common File Attributes.

See also Common Parameters for SQL File Types.

<b>Parameters</b>	
File ID	ID of the Predict object documenting the DB2 table. See Naming Conventions.
Contained in DA	ID of the database object containing the file.
<b>DB2 Attributes</b>	
Number of partitions	The number of partitions of the table.
Edit program	The name of an edit routine for the table.
Validation program	The name of a validation routine for the table.
Audit	The type of access to this table that will cause auditing to be performed. Valid values:  <b>A</b> All  <b>C</b> Changes  <b>N</b> None
OBid	Identifies the OBID to be used for the table. An OBID is the identifier for an object's internal descriptor in DB2.  <b>Note:</b> This parameter is required if parameter DB2 ROSHARE parm of the database object containing the table is set to R. See Database Type D - DB2.  See your DB2 documentation for more information.
Data capture	<b>Y</b> Data changes are passed to a user exit.
Restrict on drop	<b>Y</b> The DB2 table cannot be dropped. To drop a table with this setting, this parameter must be set explicitly to N.
Check constraint name	If a table check expression has been defined and the name of a check constraint is entered here, the following clause is generated in the CREATE TABLE statement: CONSTRAINT constraint_name CHECK (check_expression)

CCSID	Encoding scheme.Valid values:  <b>blank</b> not specified  <b>A</b> ASCII  <b>E</b> EBCDIC
Temporary	<b>Y</b> Global temporary table  <b>N</b> not temporary.
Edit: Check expression	See Edit Line Options.

## DB2 View, File Type E

13:28:33	***** P R E D I C T 4.2.2 *****	2002-07-31
	- Modify file -	
File ID .....	HNO-E	Added 2002-07-31 at 13:44
Type .....	DB2 view	by HNO
Contained in DA .	B-ARH-DA-C	
Keys ..		Zoom: N
Literal name .....		
Average count .....		
Stability .....	* Not specified	
SQL attributes		
Indicator .....	* (none)	
Select .....	* A	
With check option .....	N (Y/N)	
Left table .....	*	
Right table .....	*	
Abstract		Zoom: N
EDIT:	Owner: N * Desc: N * Has Fields: N * Subquery: N	

### Note:

Parameters not listed below are described in other sections of this documentation:

Parameters common to all object types, for example Keys, are described under Global Attributes.

Parameters common to all file types, for example Literal name, are described under Common File Attributes.

See also Common Parameters for SQL File Types.

Parameters	
File ID	ID of the Predict object documenting the DB2 view.
Contained in DA	ID of the database object containing the file.
Indicator	Specifies the kind of DB2 view  <b>I</b> Inner join  <b>L</b> Left outer join  <b>R</b> Right outer join  <b>F</b> Full outer join  <b>blank</b> normal subselect
Left table	ID of the Predict object that describes the left hand side of the join.
Right table	ID of the Predict object that describes the right hand side of the join.

## Intermediate View, File Type IV

The intermediate view can be used to specify subselects, joined tables and table functions in the from clause of DB2 views. The intermediate view defines a temporary view that does not exist in the DB2 catalog.

```

13:28:33          ***** P R E D I C T  4.2.2  *****          2002-07-31
                          - Modify file -
File ID ..... HNO-IV          Added 2002-07-31 at 13:24
Type ..... Intermediate view          by HNO
Contained in DA . B-ARH-DA-C
Keys ..          Zoom: N

Literal name ..... LIT
Average count ..... 3
Stability ..... * F Fixed
SQL attributes
  Indicator ..... * I Inner join
  Select ..... * (none)
  Left table ..... * HNO-DB2
  Right table ..... * HNO-DB2T

Abstract          Zoom: N

EDIT:  Owner: N * Desc: N * Has Fields: N * Subquery: N

```

**Note:**

Parameters not listed below are described in other sections of this documentation:

Parameters common to all object types, for example Keys, are described under Global Attributes.

Parameters common to all file types, for example Literal name, are described under Common File Attributes.

See also Common Parameters for SQL File Types.

Parameters	
File ID	ID of the Predict object documenting the intermediate view.
Contained in DA	ID of the database object containing the file.
Indicator	Specifies the kind of intermediate view  <b>I</b> Inner join  <b>L</b> Left outer join  <b>R</b> Right outer join  <b>F</b> Full outer join  <b>blank</b> normal subselect
Left table	ID of the Predict object that describes the left hand side of the join.
Right table	ID of the Predict object that describes the right hand side of the join.

## Intermediate Table, File Type IT

The field list of an intermediate table can be used to specify the parameters for:

- a database function (object type PR subtype U) or
- an SQL procedure (object type PR subtype R).

```

13:28:33          ***** P R E D I C T 4.2.2 *****          2002-07-31
                          - Modify file -
File ID ..... HNO-IV                      Added 2002-07-31 at 13:24
Type ..... Intermediate table              by HNO
Contained in DA . B-ARH-DA-C
Keys ..                                     Zoom: N

Literal name ..... lit
Average count ..... 12
Stability ..... * F Fixed
Abstract      Zoom: N

EDIT:  Owner: N * Desc: N * Has Fields: N * Subquery: N

```

**Note:**

Parameters not listed below are described in other sections of this documentation:

Parameters common to all object types, for example Keys, are described under Global Attributes.

Parameters common to all file types, for example Literal name, are described under Common File Attributes.

See also Common Parameters for SQL File Types.

<b>Parameters</b>	
File ID	ID of the Predict object documenting the intermediate table.
Contained in DA	ID of the database object containing the file.