

Environment Setting

The Environment Setting facility of the Natural Tools for DB2 allows you to issue interactively special SQL statements.

This section covers the following topics:

- Invoking the Environment Setting Facility
- CONNECT
- SET CURRENT SQLID
- SET CONNECTION
- SET CURRENT PACKAGESET
- SET CURRENT DEGREE
- SET CURRENT RULES
- RELEASE

In addition, the current values of all supported Special Registers can be displayed.

- Display Special Registers

Invoking the Environment Setting Facility

 To invoke the Environment Setting facility

- Entering function code "S" on the Natural Tools for DB2 Main Menu.

The Environment Setting screen is displayed, which offers you the following functions:

Environment Setting - Functions

CO	Specifies and executes the SQL statement CONNECT.
SS	Specifies and executes the SQL statement SET CURRENT SQLID.
SC	Specifies and executes the SQL statement SET CONNECTION.
SP	Specifies and executes the SQL statement SET CURRENT PACKAGESET.
SD	Specifies and executes the SQL statement SET CURRENT DEGREE.
SU	Specifies and executes the SQL statement SET CURRENT RULES.
RE	Specifies and executes the SQL statement RELEASE.
SR	Displays the current values of the supported special registers.

CONNECT

▶ To invoke the CONNECT function

- Enter function code "CO" on the Environment Setting screen.

The Connect screen is displayed:

```

14:23:29          ***** NATURAL TOOLS FOR DB2 *****          1999-09-30
                    - Connect -

>>---- CONNECT  ---+--- _ -----+-----><
                    !                                     !
                    !                                     !
                    +--- _ --- TO ---- _____ ---+
                    !               (location name)   !
                    !                                     !
                    +--- _ --- RESET -----+

Current Server Version _____

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                                     Canc

```

The CONNECT statement connects the current application to a designated server. This server is the current server, which is displayed in the Current Server Version field.

On the Connect screen, you identify the current server by specifying a location name. The identified server must be known to the local DB2 subsystem.

SET CURRENT SQLID

▶ To invoke the SET CURRENT SQLID function

- Enter function code "SS" on the Environment Setting screen.

The Set Current SQLID screen is displayed:

```

14:23:47          ***** NATURAL TOOLS FOR DB2 *****          1999-09-30
                    - Set Current SQLID -

>>--- SET CURRENT SQLID = ----- _____ -----><
                                ( USER,
                                string-constant)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec  Free                                Canc
    
```

The SET CURRENT SQLID statement changes the value of the SQL authorization identifier. With SQL statements that use unqualified table names, DB2 uses the SQLID as an implicit table qualifier. This enables you to access identical tables with the same table name but with different creator names.

On the Set Current SQLID screen, you can replace the value of CURRENT SQLID by the value of the special register USER or by a string constant. The string constant can be up to 8 characters long.

In all supported TP-monitor environments, the SQLID can then be kept across terminal I/Os until its resetting or the end of the session.

SET CONNECTION

▶ **To invoke the SET CONNECTION function**

- Enter function code "SC" on the Environment Setting screen.

The Set Connection screen is displayed:

```
14:23:47          ***** NATURAL TOOLS FOR DB2 *****          1999-08-15
                    - Set Connection -

>>--- SET CONNECTION ----- _____ -----><
                                location-name

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                                Canc
```

On the Set Connection screen, you identify a server by specifying a location name. The identified server must be known to the local DB2 subsystem.

SET CURRENT PACKAGESET

▶ To invoke the SET CURRENT PACKAGESET function

- Enter function code "SP" on the Environment Setting screen.

The Set Current PACKAGESET screen is displayed:

```

14:24:03          ***** NATURAL TOOLS FOR DB2 *****          1999-09-30
                   - Set Current PACKAGESET -

>>--- SET CURRENT PACKAGESET = ---+-- _ --- USER -----+-----><
                                   !                               !
                                   !                               !
                                   +-- _ --- _____ +--+
                                   (string-constant)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                               Canc
    
```

The SET CURRENT PACKAGESET statement assigns a value to the special register CURRENT PACKAGESET.

On the Set Current PACKAGESET screen, you can replace the value of CURRENT PACKAGESET by the value of the special register USER or by a string constant of up to 18 characters.

SET CURRENT DEGREE

▶ **To invoke the SET CURRENT DEGREE function**

- Enter function code "SD" on the Environment Setting screen.

The Set Current Degree screen is displayed:

```
14:23:58          ***** NATURAL TOOLS FOR DB2 *****          1999-08-15
                   - Set Current Degree -

>>--- SET CURRENT DEGREE ----- _____ ----->>
                                   ( 1 or ANY )

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                                     Canc
```

SET CURRENT RULES

▶ **To invoke the SET CURRENT RULES function**

- Enter function code "SU" on the Environment Setting screen.

The Set Current Rules screen is displayed:

```
14:23:58          ***** NATURAL TOOLS FOR DB2 *****          1999-08-15
                   - Set Current Rules -

>>--- SET CURRENT RULES ----- _____ -----><
                                ( DB2 or STD )

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                                     Canc
```

RELEASE

▶ To invoke the RELEASE function

- Enter function code "RE" on the Environment Setting screen.

The Release screen is displayed:

```

14:24:29          ***** NATURAL TOOLS FOR DB2 *****          1999-08-15
                    - Release -

>>--- RELEASE  -----+-----+-----+-----+-----+-----><
                        !         location-name         !
                        !                                 !
+-- _ --- CURRENT -----+
                        !                                 !
!-- _ --- ALL SQL -----!
                        !                                 !
+-- _ --- ALL PRIVATE -----+

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                                     Canc

```

Display Special Registers

▶ To invoke the Display Special Registers function

- Enter function code "SR" on the Environment Setting screen.

The Display Special Registers screen is displayed:

```
14:24:50          ***** NATURAL TOOLS FOR DB2 *****          1999-08-15
                    - Display Special Registers -

User              : SAG              Current Sclid   : SAG
Current Packageset :                  Current Rules   :
Current Server    : DAEFDB23        Current Degree  :
Current Date      : 12.11.1992      Current Time    : 14.24.20
Current Timezone  :
Current Timestamp : 1997-09-30-14.24.20.369541

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Error Exit  Exec                               Canc
```

The Display Special Registers screen shows you the current values of the Special Registers of DB2 supported by Natural for DB2.