

# View Security Maintenance

A DDM is transferred to PAC

- either via migration to the Predict application.
- or via generation at migration time from development or maintenance to the Predict application of an Adabas or user file.

If a Natural object, which is being migrated from a development or maintenance to a non-Predict application, needs a DDM at compilation, a version of the DDM must be available in the Predict application; if not, the compilation will fail. If a DDM is used at such a compilation, it is "linked" or "registered" to the application to which the compiled Natural object is migrated.

DDMs can be migrated from CONTROL to those applications to which they are registered, but not from the Predict application.

The view security maintenance facilities allows you to

- register a DDM to an application "by hand" without, or before, using the DDM at the compilation of a Natural object;
- prohibit the use of all DDMs of a particular name during migrations to the location of a particular application;
- restrict the use of all DDMs of a particular name during migrations to the location of a particular application to "access only" - that is, it prohibits the use of the DDM in the compiled objects for storing, updating, or deleting.

**Note:**

At application level you can specify the default value of the view when it is first registered to PAC. Use the parameter "View security defaults".

This chapter covers the following topics:

- View Security Maintenance Menu
- View Security Selection List
- View Registration Selection List

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## View Security Maintenance Menu

To access the View Security Maintenance functions, enter Code V (View Security Maintenance) on the Administrator Functions menu.

The View Security Maintenance screen appears:

```

17:04:33          ***** PREDICT APPLICATION CONTROL *****          2000-03-10
User SAGU          - View Security Maintenance -

Code  Sub-Function
-----
D    Display View Security Definition
M    Modify View Security Definition
R    Register View
?    Help
.    Exit
-----

Code ..... _          Registered .. N
Application .. _____
View Name .... _____

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

```

On this screen, you can specify applications or views for which you want to perform view security maintenance and whether you want listed all views in the Predict application ([Registered] = N) or only those with some version registered to the specified application ([Registered] = Y).

To display or modify a view security definition or register a view to an application, enter Code D (Display View Security Definition) or Code M (Modify View Security Definition) or Code R (Register View). Use range notation in the fields Application or View Name to restrict the choice of applications or views respectively.

If the Application field is left blank or "\*", "<", or ">" is used in it and if there is an application satisfying the application selection criterion, an Applications window appears in which you can select a single application.

The Registered field can take values N (the default) and Y. N stands for "list all views in the Predict application which satisfy the view selection criterion". Y stands for "list the views in the Predict application which satisfy the view selection criterion and are registered to the application".

## View Security Selection List

To display or modify a view security definition, enter Code D or M on the View Security Maintenance screen.

In either case, a View Security Selection List appears:

```

20:22:38          ***** PREDICT APPLICATION CONTROL *****          2000-03-12
User SAGU          - View Security Selection List -
Application .. HEATHER
C Nr View Name          DBid   Fnr   Usage   State
-----
_  1 ES_FU_11          127   Access Registered
_  2 ES_FU_12          127   Update  Registered
_  3 FUSER-127-ES      127   Disallowed
_  4 FUSER-127-ES-0   127   Disallowed Registered

Mark Selection, 'T' for (Top) or '.' to exit: _

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

```

Its C fields are protected if it has come in response to Code D; these fields are unprotected if they are in response to Code M.

The list contains DDM names, not versioned DDMs. The name of the application is displayed in the third line of the screen.

For each view, the database and file numbers of its master file are listed. The number zero is blanked out. Each view is marked with "Update", "Access", or "Disallowed" in the "Usage" column. "Update" means that any version of the DDM can be used without restriction at the compilations concerning migrations to the application's compartment. "Access" means that such a compilation will fail (NAT0975) if an object being compiled contains a STORE, UPDATE, or DELETE statement which uses the DDM. "Disallowed" means that such a compilation will fail (NAT0974) if an object being compiled refers to the DDM.

"Registered" in the "State" column indicates that some version of the DDM has been registered to the application.

A View Security Selection List screen with unprotected "C" fields allows you to modify the usage permissions for the listed views. To assign a usage permission to a view, mark its entry with U for "Update", A for "Access", or D for "Disallowed".

**Note:**

Marking a view's entry with U or A also causes the view to be immediately registered to the application.

Press ENTER to confirm the modifications. Enter a period (.) in the "Mark Selection" field or press PF3 (Exit) to abandon the latest (following the last pressing of ENTER) modifications and return to the View Security Maintenance screen.

## View Registration Selection List

To register versioned DDMs to an application, enter Code on the View Security Maintenance screen.

A View Registration Selection List screen appears:

```

21:05:22          ***** PREDICT APPLICATION CONTROL *****          2000-03-12
User SAGU          - View Registration Selection List -
Application .. HEATHER
C Nr View Name          DBid   Fnr   Version State
-----
_  1 ES_FU_11          127   004
_  2 ES_FU_11          127   003   Registered
_  3 ES_FU_11          127   002   Registered
_  4 ES_FU_11          127   001   Registered
_  5 ES_FU_12          127   002
_  6 ES_FU_12          127   001   Registered
_  7 FUSER-127-ES      127   001
_  8 FUSER-127-ES-0    127   001   Registered

          Mark Selection, 'T' for (Top) or '.' to exit: _

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

```

The "C" fields of the screen are unprotected.

Unlike the View Security Selection List screen, it lists versioned DDMs rather than DDM names. It does not show DDM usage permissions.

To register a versioned DDM to the application, mark the entry with an in the "C" column.