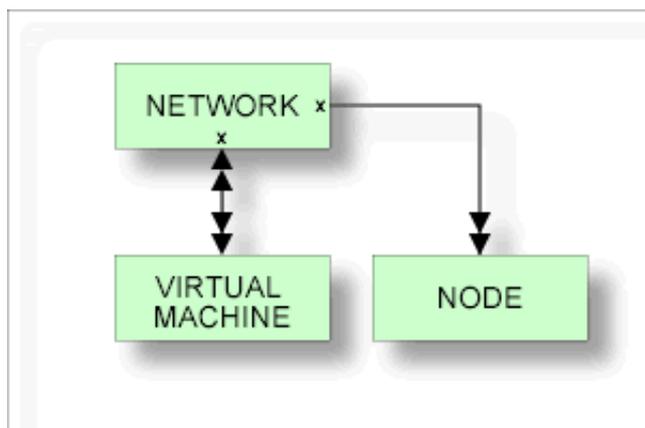


# Network

In the predefined Predict metastructure, a network can have passive and active associations of the following types:

Valid passive associations: *no predefined association*

Valid active associations: *Uses VM*  
*Contains NO*



The location of a database must be specified by linking each database to an object of type virtual machine and each virtual machine to an object of type network. A current network can be defined in the Miscellaneous section of the General defaults of Predict or with the command SET VM <virtual machine ID>.

The current network will be taken as default for virtual machine objects if no network is specified.

Links between virtual machines and networks are established by entering the network in the parameter *Belongs to NW* of the virtual machine. A virtual machine cannot be linked via *Belongs to NW* to a network using the link editor.

See Defining the Distribution of Data in Predict in the section **Adabas Vista** in the **Predict and Other Systems documentation** for a description of how to define the distribution of data.

This section covers the following topics:

- Network Maintenance Menu
- Network-Specific Maintenance
- Network Retrieval

## Network Maintenance Menu

The Network Maintenance menu is called with function code M and object code NW in a Predict main menu, or with the command MAINTAIN NETWORK.

```

13:13:21          ***** P R E D I C T  4.3.1  *****                2003-05-31
Plan    3          - (NW) Network Maintenance -                Profile SYSTEM

Function                                Function

A  Add a Network                        D  Display Network
C  Copy Network                         L  Link children
M  Modify Network                       S  Select Network from list
N  Rename Network
P  Purge Network

Function .....
Network ID .....
Copy ID .....

Restrictions .....*   Profile Default,empty   Association ...*

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Next Stop Last LnkEl Flip Print Impl AdmFi SelFi Prof Main
    
```

The parameters are described under Global Attributes.

All functions are described in the section Maintenance in the **Predict Reference documentation**. The function Purge Network is described in the section Purge Network - Code P.

### Add a Network Screen

The following screen is displayed for the Add a Network function. The Copy and Modify screens are similar.

```

13:06:57          ***** P R E D I C T  4.3.1  *****                2003-05-31
                                - Add a Network -
Network ..... HNO-NW

Keys ..                                Zoom: N

Abstract   Zoom: N
    
```

The parameters are described under Global Attributes.

## Network-Specific Maintenance

Standard maintenance functions are used for maintaining networks. These are described in the section Maintenance in the **Predict Reference documentation**.

The special rules applying to function Purge Network are described below.

## Purge Network - Code P

The following rules apply:

- A network that is linked to a virtual machine via *Uses VM* cannot be deleted.
- The network defined as current network in the General defaults cannot be deleted.

## Network Retrieval

Standard retrieval functions are described in the section Retrieval in the **Predict Reference documentation**. The network-specific function Vista Numbers is described below.

### Vista Numbers - Code N

Displays information on the use of Vista numbers in list form (see sample output below).

```

13:13:21          ***** P R E D I C T 4.3.1 *****                2003-05-31
Plan 0            - (NW) Network Retrieval -                          Profile SYSTEM

 Retrieval Type                Retrieval Type
 D Network                    B Network with parents
 E Execu +----- Search criteria -----+
 C Dummy !
 N Vista ! Start value
      ! Vista DBnr ..... 0      Fnr ..... 0
      !
 Retrieval ! End value
 Output-mo ! Vista DBnr ..... 65535 Fnr ..... 5000
      !
 Network I +-----+

Restrictions .....* Profile Default,empty Model .....*
Output options .....* Profile Default Association ....*

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Next Stop Last LnkEl Flip Print Impl AdmFi SelFi Prof Main
    
```

Parameters	
Network ID	Restricts the report to Vista numbers used in the given network.
Start value / End value	Restricts the report to Vista numbers in the given range.
Vista number	A window appears for specifying Start value and End value.  Valid values: 0 - 65535 for Vista DBnr. 0 - 5000 for Vista Fnr.

## Sample Output

```

09:53:36          ***** P R E D I C T  4.3.1  *****          2003-05-31
                    - List Vista Numbers -

Network ID ..... HOME
-----
Cnt  Object ID                Object type      Vista DBnr   Fnr   Environment
    1 HEB-DA-MIG                Database         2       0
      Type ... Adabas ,Isolated      .... Thru ...
      reserved Vista numbers         2   65535
    2 BOE-FI03                  FI Vista el.    4       2
    3 HEB-EDT                   FI Vista el.    4       3
    4 BOE-FI07                  FI Vista el.    4       4
    5 BOE-FI-E-02               FI Vista el.    4       5
    
```

Meaning of Columns	
Object ID	<p>ID of the object referencing the Vista number. The following information on the object may be displayed.</p> <p><b>Type ...</b> For databases: the Vista parameter of the database (Isolated, Local, Vista).</p> <p><b>reserved Vista numbers</b> For databases: a range of Vista numbers is reserved depending on the DBnr. Reserved range: 0 - 65535.</p>
Object type	<p>Type of object referencing the Vista number. Can be one of the following:</p> <ul style="list-style-type: none"> <li>● Database</li> <li>● Phys. file</li> <li>● FI Vista el.</li> <li>● DA Vista el.</li> </ul>
DBnr / Fnr	Database and file number identifying the file uniquely in a network.
Environment	Environment specified with the Vista element to restrict access to the data.

## Layout of Network Lists

Network lists contain the network IDs.

## Output Options for Network Retrieval

The output options valid for this object type are identical to those for object type dataspace. See Output Options for Dataspace Retrieval.