

General Information

The Natural Object Handler consists of the utility SYSOBJH which is located in the library SYSOBJH, and the direct command interface.

To process Natural and non-Natural objects, the Object handler unloads objects in the source environment into work files and loads them from work files into the target environment.

Depending on the source and target environment, you can transfer data of binary or text format. Binary format may be used for Natural sources and cataloged objects, error messages, Adabas FDTs and non-Natural objects. Text format applies to Natural source objects, command processor sources, error messages and Adabas FDTs. Between mainframe and Open Systems platforms (UNIX, OpenVMS or Windows), you can only transfer text data. Between identical platforms, you can transfer binary data. Between different Open Systems platforms, you can transfer binary data by using portable work files of internal format.

The format of the work file to be transferred depends on the mode set for transferring binary or text data. For further details on the transfer modes provided by the Object Handler see Work File Format in the section Work Files.

Below is information on:

- Invoking the Natural Object Handler
 - Batch or Direct Command Calls
 - Natural Security
 - Standard PF Keys
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Invoking the Natural Object Handler

There are two ways of invoking the Object Handler for interactive usage:

To invoke the Object Handler online from any Natural library

- Enter the system command SYSOBJH.
The Natural Object Handler main screen is displayed.

The Object Handler main screen offers the following functions:

- Unload
- Load
- Scan
- View
- Administration

To select a menu item

- Enter any character in the input field next to the option that corresponds to the function desired.
Or press the PF key that corresponds to the function desired.
Or, in the command line, enter a corresponding Object Handler command (see Commands).

See the section Functions for a description of the functions provided, the Advanced-User mode and the wizards.

- Enter the system command SYSOBJH followed by a direct command (see also Batch or Direct Command Calls below and the section Commands).
After execution of a direct command, you can enter either another direct command or a period (.) to exit the Object Handler.

Batch or Direct Command Calls

Several commands can be issued to SYSOBJH. The last command in the command sequence must be a period (.), STOP, END, QUIT or FIN, where FIN ends the Natural session.

Batch Mode

The commands to the Object Handler are read from standard input. If a command string exceeds 248 bytes, enter an input delimiter (session parameter ID) after any keyword or keyword value. The command strings between each input delimiter must not exceed 248 bytes. You can enter a maximum of 20 command strings.

Example (assuming ID is set to ‡,Ÿ):

```
UNLOAD * LIB EXAMPLE, WHERE, WORK $HOME\TEST.SAG  
STOP
```

Online Mode

The command to the Object Handler in the Natural command line can consist of up to 20 command parts.

Example:

```
SYSOBJH UNLOAD * LIB EXAMPLE WHERE TRANSFER WORK $HOME/TEST.DAT
```

Natural Security

If Natural Security is installed, the Object Handler checks the SYSOBJH utility profile in Natural Security to find out whether the requested function is allowed.

Should a Natural Security error occur during the load function, the following applies:

- If the option Write Report is set, the error is written into the report file and loading continues.
- If the option Write Report is not set, an error message is issued and the load function is terminated.

Standard PF Keys

The following PF keys are available on all full-screen maps:

PF Key	Explanation
PF1	Invokes the Help function for the field at which the cursor is positioned.
PF3	Exits the current and returns to the previous screen.
PF7	Applies to the wizard screens only. Goes back one screen/step.
PF8	Applies to the wizard screens only. Goes to the next screen/step.
PF10	Invokes the Commands menu to select commands for navigation purpose and to specify special settings. See also Commands for CUIs in the section Commands.
PF12	Cancels the current function.
PF20	Lists all active programs of the Object Handler (for support purposes).