

Natural under TSO

This section covers the following topics:

- General Information about the Natural TSO Interface
- Natural/TSO Datasets
- Issuing TSO Commands from Natural

See also:

- Installing the Natural TSO Interface (in the Natural Installation Guide for mainframes).
- Natural Server Monitor (in the Natural Operations documentation for mainframes).

General Information about the Natural TSO Interface

The Natural TSO interface NATTSO consists of a number of service routines interfacing with the OS/390 operating system.

NATTSO is supplied as a source module and can be customized to meet your requirements; see also Step 3 of the NATTSO installation (section Installing the Natural TSO Interface in the Natural Installation Guide for Mainframes).

NATTSO is fully reentrant and can run above the 16 MB line.

Natural TSO Datasets

The following optional sequential datasets are used during a Natural session:

DD Name	RECFM/LRECL	Purpose
CMHCOPY	FB/133	Hardcopy output if no HCDEST has been specified (default).
CMPRMIN	FB/80	Dynamic profile parameter input. For more information on CMPRMIN, refer to Natural in Batch Mode in the Natural Operations for Mainframes documentation.
CMTRACE	FB/133	External trace output.
NATRJE	FB/80	Submit job output.
STEPLIB		Load library for external modules.

CMHDEST	<p>Hardcopy output destination. This dataset's name can be changed with the HCDEST profile parameter.</p> <p>If the default dataset name CMHCOPY is used, the hardcopy dataset will be closed upon session termination. If a different name is used, the hardcopy dataset will be closed with the next screen I/O. To release and to reallocate the hardcopy dataset after the closure, the DYNALLOC program can be used (see the sample library SYSEXTP).</p>
CMTRACE	If the profile parameter ETRACE is set to ON, all trace output is written to this dataset during the session.
NATRJE	This dataset is used for the Natural job submitting utility. If it is not defined, it will be allocated dynamically with SYSOUT=(A,INTRDR) when the first job is submitted.
STEPLIB	This is the default library name for loading external modules, for example the shared nucleus, the Adabas link routine (ADALNK), the session back-end program and any external subprograms not linked to the Natural parameter module. The load library name can be overwritten by profile parameter LIBNAM. In this case, the correct library name must be specified in the job control (instead of STEPLIB).

Issuing TSO Commands from Natural

You can use the Natural example program TSO in library SYSEXTP to issue TSO commands; for example:

```
TSO LISTALC STATUS
```

If you enter TSO without parameters, a menu prompts you for a TSO command. To exit from the menu enter a period (.) in the first position, or press PF3.