

Administrator Services

SYSNCP provides facilities for the administration of command processors. Only system administrators, as defined in Natural Security, are authorized to access these services.

▶ To access the administrative services

1. On the Processor Source Maintenance menu, enter Function Code A (Administrator Services).
2. Press ENTER.

The Administrator Services screen is displayed:

```

09:49:11          ***** NATURAL SYSNCP UTILITY *****          2000-05-04
User SAG          - Administrator Services -

                Code  Function
                S    Select Processor
                C    Copy Processor Source
                D    Delete Processor Source
                P    Print Source/Object/NCP-Buffer
                U    Unload Processor to Work File 3
                L    Load Processor from Work File 3
                F    Freeze Processor Source
                R    References from Natural Security
                ?    Help
                .    Exit

                Code .. _      Name .. SAGTEST_  Library .. SYSNCP__

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

```

Note:

If you do not have Natural Security installed, be aware that all other users have administrator status.

Below is information on:

- Select Processor
- Copy Processor Source
- Delete Processor Source
- Print Source/Object/NCP Buffer
- Unload Processor
- Load Processor
- Freeze Processor Source
- References from Natural Security

Select Processor

See the section Processor Selection.

Copy Processor Source

In copying processor sources, you have the choice of copying the entire processor or only selected sources (header, keywords, functions, runtime action definitions).

▶ To copy a command processor

1. On the Administrator Services menu, enter Function Code **C**.
2. Press ENTER.

The Copy Processor Source window is displayed to provide source and target information:

Copy Processor Source		
	Source	Target
Name	SAGTEST_	_____
Library	SYSNCP__	SYSNCP__
DBID	10__	10__
FNR	32__	32__
Password		
Cipher Key ..		
Replace	NO_	

3. In the Source fields, enter the name of the processor to be copied, and the library, database ID (DBID) and file number (FNR) in which the processor is stored.
The default values correspond to the processor specified on the Administrator Services menu.
In the Target fields, enter the name of the processor to be copied to, and the library, database ID (DBID) and file number (FNR) into which the processor is to be copied.
In the Cipher Key field, enter the appropriate password and/or cipher key if the source and/or target file is protected by a password and/or cipher key.
In the Replace field, enter YES if you want to overwrite a processor in the target environment.
The default for this field is NO.

4. Press ENTER.

The following window is displayed to select sources:

Copy Processor Source					
Mark	Copy	Source	Target		
---	-----	---	---		
-	Header	yes	no		
-	Keywords	yes	no		
-	Functions	yes	no		
	Runtime Action Definitions ..	no	no		
Source Name	SAGTEST	Library	SYSNCP	DBID 10	FNR 32
Target Name	TEST2	Library	SYSNCP	DBID 10	FNR 32
Replace ...	NO				

5. In the appropriate Mark fields, enter any character to select the sources you want to copy.

6. Press ENTER.

Delete Processor Source

This function is used to delete processor sources.

▶ To delete a command processor

1. On the Administrator Services menu, enter Function Code **D**.
2. Press ENTER.
The Delete Processor Source window is displayed.
3. Specify the name of the processor to be deleted, and the library, database ID and file number in which the processor is stored. If the file is protected by a password and/or cipher key, you also have to enter the appropriate password and/or cipher key.

4. Press ENTER.

The following window is displayed to select the sources to be deleted:

Delete Processor Source				
Mark	Delete	Available		
----	-----	-----		
-	Header	yes		
-	Keywords	yes		
-	Functions	yes		
-	Runtime Action Definitions ..	yes		
Name SAGTEST Library SYSNCP DBID 10 FNR 32				

To the right of each processor source (header, keywords, functions, runtime action definitions) is a field which indicates whether the source exists. As command processor creation is a cumulative activity, you cannot delete a source without deleting all sources which are based on it. Thus, for example, in the screen above, you cannot delete the source of the functions without also deleting the source of the runtime action definitions.

5. In the appropriate Mark fields, enter any character to select each source indicated as Available.
6. Press ENTER.

Print Source/Object/NCP Buffer

In addition to processor sources, you can also print the processor object and the NCP.

▶ To print a command processor item

1. On the Administrator Services menu, enter Function Code **P**.
2. Press ENTER.
The "Print Source/Object/NCP-Buffer" window is displayed.
3. Specify the name of the processor to be printed, and the library, database ID and file number in which the processor is stored. If the file is protected by a password and/or cipher key, you also have to enter the appropriate password and/or cipher key.
4. Press ENTER.
5. The following window is displayed to select items for printing:

Print Source/Object/NCP-Buffer			
Mark	Print	Available	
----	-----	-----	
-	Header	yes	
-	Keywords	yes	
-	Functions	yes	
-	Runtime Action Definitions ..	yes	
-	Processor Object	yes	
	NCP-Buffer	no	
	Printer	_____	
Name SAGTEST Library SYSNCP DBID 10 FNR 32			

To the right of each processor source (header, keywords, functions, runtime action definitions) is a field which indicates whether the item exists.

Possible input values for the Printer field are the logical printer ID, VIDEO or SOURCE; see also DEFINE PRINTER in the Natural Statements documentation.

6. In the appropriate Mark fields, enter any character to select the items you want to have printed and enter the logical printer name or the value VIDEO or SOURCE in the Printer field.
7. Press ENTER.

Unload Processor

▶ To unload a command processor

1. On the Administrator Services menu, enter Function Code U.
2. Press ENTER.

The "Unload Processor to Work File 3" window is displayed:

Unload Processor to Work File 3		
	Source	Target
Name	SAGTEST_	
Library	SYSNCP__	SYSNCP__
DBID	10__	
FNR	32__	
Password		
Cipher Key ..		
Report	NO_	

3. In the Source fields, enter the name of the processor to be unloaded, the library, database ID, and file number in which the processor can be found; the default value is the processor specified in the Administrator Services menu. Enter the appropriate password and/or cipher key if the file is protected by a password and/or cipher key.
4. In the Report field, enter YES if you want a report to be produced. Default is NO.
You do not have to use a file extension. If you wish to use an extension, you must use the file extension ".sag".
5. Press ENTER.

When the processor is unloaded, all processor sources (header, keywords, functions, runtime action definitions) are written to Work File 3.

Note:

To transfer command processors from one hardware platform to another, use the utility SYSTRANS (mainframes) or the utility SYSOBJH (Windows, UNIX and OpenVMS).

Load Processor

▶ To load a command processor

1. On the Administrator Services menu, enter Function Code **L**.
2. Press ENTER.

The "Load Processor from Work File 3" window is displayed for loading processors from Work File 3 to a Natural library:

<pre>Load Processor from Work File 3 Replace existing processors .. N Produce load report NO_</pre>
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3. In the "Replace existing processors" field, enter **Y** or **N** (default is **N**) to specify whether existing processors with the same name are to be replaced by the processor to be loaded.
4. In the "Produce load report" field, enter **YES** (default is **NO**) if you want a report to be produced.
5. Press ENTER.

Note:

Input for the processor name and the library into which the processor is to be loaded is taken from the work file.

Freeze Processor Source

You can freeze a processor in its current state to prevent users from modifying it further.

To freeze a command processor

1. On the Administrator Services menu, enter Function Code **F**.
2. Press ENTER.
The Freeze Processor Source window is displayed.
3. Specify the name of the processor to be frozen, and the library, database ID and file number in which the processor is stored. If the file is protected by a password and/or cipher key, you also have to enter the appropriate password and/or cipher key.
4. Press ENTER.
5. In the following window, specify with **Y** or **N** whether modification of the processor sources is to be allowed or not. Default is **Y**.
6. Press ENTER.

References from Natural Security

This function is only available if Natural Security is active in your environment. It is used to delete functional security references from Natural Security.

If functional security is defined for a processor in Natural Security, references are created automatically. These references are stored in the FNAT/FUSER system files along with the processor sources, not in FSEC.

To invoke References from Natural Security function

1. On the Administrator Services menu, enter Function Code **R**.
2. Press ENTER.
The Delete References window appears.
3. Specify the name of the processor, and the library, database ID and file number in which the processor is stored. If the file is protected by a password and/or cipher key, you also have to enter the appropriate password and/or cipher key.
4. Press ENTER.
5. In the following window, you can delete main references, function references and auxiliary references.

For further information on functional security for command processors, refer to the section Functional Security in the Natural Security documentation.