

# Using a Natural Parameter Module

This document provides information on how to assemble a Natural parameter module.

The following topics are covered:

- Using the Default Natural Parameter Module NATPARM
- Creating a New Natural Parameter Module
- NTPRM Macro - Create a Natural Parameter Module
- Restricting the Use of a Parameter Module
- Using Macros in a Natural Parameter Module

For details of the individual profile parameters, refer to the *Parameter Reference* documentation.

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## Using the Default Natural Parameter Module NATPARM

The default Natural parameter module NATPARM contains a set of predefined parameters that are sufficient for most environments. The module is delivered in source form to enable you to change it according to your requirements.

## Creating a New Natural Parameter Module

Instead of using or modifying the default Natural parameter module, you can create one or several alternative Natural parameter modules for various purposes which can be loaded as appropriate using the Natural profile parameter PARM and whose use can be restricted to certain users (See *Restricting the Use of a Parameter Module*).

### To create a new (alternative) Natural parameter module

1. Assemble the macro NTPRM (see also *Assembler Macro Coding Conventions* below).
2. Add one or more of the optional parameter macros (see below).

If more than one parameter macro is specified, the NTPRM macro must be specified first; any other macros after the NTPRM macro can be specified in any order.

#### **Note:**

It is not necessary to create separate parameter modules for batch and teleprocessing modes of operation. Those parameters which are not applicable to the environment in which Natural is executed are ignored.

## NTPRM Macro - Create a Natural Parameter Module

The NTPRM macro must be assembled in order to create a Natural parameter module.

Generally, you can use the default values of the profile parameters in the NTPRM macro. If any of the default values do not suit your requirements, you can overwrite them with your own values.

For a description of the individual profile parameters, refer to *Parameter Reference* documentation.

## NTPRM Syntax

The syntax for this macro is:

```
NTPRM parameter=value,...
```

## Assembler Macro Coding Conventions

Assembler macro coding conventions must be adhered to when changing parameter values, for example,

- the first entry must begin in Column 2 or beyond and cannot extend beyond Column 71;
- continuation to another line is accomplished by placing a comma after the last entry, inserting a non-blank character in Column 72 and continuing the entry on the next line starting in Column 16;
- a parameter and its value must always be entered on the same line.

## Restricting the Use of a Parameter Module

You can add the macro NTUSER to a parameter module to restrict its use to certain users.

### To restrict the use of a parameter module

1. Add the macro NTUSER to the parameter module.
2. In this macro, define the IDs of those users who are to be enabled to use that parameter module.

Only these users will be allowed to specify the name of that parameter module with the profile parameter PARM.

## Using Macros in a Natural Parameter Module

A Natural parameter module contains the macro NTPRM in first place. In addition, you can specify the following macros in any order.

Macro	Function
NTALIAS	External names of non-Natural programs.
NTBPI	Buffer pool initialization.
NTCCTAB	Printer escape sequence definition.
NTCFICU	Enables Unicode support for various Unicode settings.
NTCMPO	Compilation options.
NTCSTAT	Programs statically linked to Natural.

<b>Macro</b>	<b>Function</b>
NTDB	Database types and options.
NTDS	Define size of storage buffer
NTDYNP	Control use of dynamic parameters.
NTEDBP	Software AG editor buffer pool definitions
NTFILE	See <code>NTLFILE</code> > <i>Old NTFIL Macro Syntax</i>
NTLFILE	Specification of logical files.
NTOPRB	Database open/close processing.
NTOPT	Control of Natural Optimizer Compiler.
NTPRINT	Print file assignments.
NTPRM	Create a Natural Parameter Module
NTRPC	Handling of remote procedure calls.
NTSCTAB	Scanner characters.
NTSORT	Control of sort program.
NTSYS	Define and activate a set of dynamic profile parameters.
NTTAB	Standard output character translation.
NTTABA1	EBCDIC-ASCII translation.
NTTABA2	ASCII-EBCDIC translation.
NTTABL	"SYS" library output translation.
NTTAB1	Alternative output translation.
NTTAB2	Alternative input translation.
NTTF	Translation of database ID/file number.
NTTRACE	Define components to be traced.
NTUSER	Restrict use of profile parameter strings and modules.
NTUTAB1	Lower-case/upper-case translation.
NTUTAB2	Upper-case/lower-case translation.
NTWEBIO	Enable or disable the rendering of certain features of the Natural Web I/O Interface display.
NTWORK	Work files assignments.
NTXML	Activate <code>PARSE XML</code> and <code>REQUEST DOCUMENT</code> statements.