USER - Restrict Use of Profile Parameter Strings and Modules

This Natural profile parameter can be used to restrict the use of dynamic parameter strings as specified in a `SYSPARM` profile, `NTSYS` macro or parameter dataset (`CMPRMIN`) or to restrict an alternative parameter module (`NATPARM`).

Possible settings	list of user IDs	The IDs of the users who will be allowed to use the subsequently specified string of profile parameters. Only the specified users will then be allowed to use that parameter string.
Default setting	none	
Dynamic specification	yes	This parameter can only be specified dynamically. To restrict the use of an alternative parameter module (`NATPARM`), the corresponding macro `NTUSER` must be used instead.
Specification within session	no	

The `USER` parameter applies only to the string of dynamic parameters specified *after* it. The `NTUSER` macro applies to the parameter module in which it is specified. The default Natural parameter module linked to the environment-dependent Natural nucleus cannot be restricted.

When the dynamic profile parameters are evaluated and the `USER` parameter is encountered, Natural checks if the current user ID (that is, the current setting of the system variable `*INIT-USER`) is contained in the list of user IDs specified with the `USER` parameter. If it is not, the user receives a corresponding error message, and the processing of dynamic profile parameters is terminated immediately.

When an alternative parameter module is to be used, Natural loads the alternative parameter module specified by the `PARM` parameter and checks if the current user ID (that is, the current setting of the system variable `*INIT-USER`) is contained in the list of user IDs specified by the `NTUSER` macro in the alternative parameter module. If it is not, the user receives a corresponding error message, and the alternative parameter module is discarded.

To restrict the use of:

- a `SYSPARM` profile,

  you specify the USER parameter as the first parameter in the profile. The subsequent string of profile parameters in the profile, that is, the entire profile, can then only be used by the user specified with the `USER` parameter.

- a parameter string defined by an `NTSYS` macro or in a `CMPRMIN` dataset,

  you specify the `USER` parameter as the first parameter in the parameter string.

- an alternative parameter module,

you specify the macro NTUSER in the alternative parameter module.

The following topics are covered below:

- USER Parameter Syntax

- NTUSER Macro Syntax

- Example of NTUSER Macro

- Example of USER Parameter

USER Parameter Syntax

The parameter syntax of USER is as follows:

> USER=(*user-id1,user-id2,...*)

NTUSER Macro Syntax

The NTUSER macro is specified in a Natural parameter module as follows:

> NTUSER *user-id1,user-id2,user-id3,...*
> NTUSER *user-id4,user-id5,...*
> ...

Example of NTUSER Macro

The following is an example of protecting a Natural parameter macro:

```
NTPRM ...
...
NTUSER ADMIN1,ADMIN2
```

Example of USER Parameter

```
USER=(ADMIN1,ADMIN2),FNAT=(12,177,SECPASSW,74832055)
```