

# UNLOCK

This command is used for unlocking

- Natural source objects in a remote development environment, and
- documentation objects in the local development environment, provided that Predict Version 4.4 or above is installed on Windows.
- documentation objects in a remote development environment, provided that the Object Description plug-in is installed (see separate Object Description documentation).

It is used to view source objects or documentation objects that are locked and to unlock them if need be. This command is recommended for use by the Natural administrator only. However, the administrator can enable the use of this command for each user profile in Natural Security.

This chapter covers the following topics:

- Unlocking Natural Objects
- Unlocking Documentation Objects
- Parameter Descriptions
- Parameter Processing and Display of Objects Found

For further information, see *Unlocking Objects Manually* in the *Remote Development Using SPoD* documentation.

See also *Object Naming Conventions* in the *Using Natural Studio* documentation.

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## Unlocking Natural Objects

If the system command UNLOCK is used without parameters, a dialog appears where you can enter the parameters.

UNLOCK

The following shows the direct command syntax for unlocking Natural objects.

```

UNLOCK [NATURAL] [OBJECT] object-name
      [TYPE object-type]
      [LIBRARY library-name]
      [DBID dbid] [FNR fnr]
      [PASSWORD password] [CIPHER cipher]
      [APPLICATION application-name]
      [USER locked-by]
      [DATE locked-on [locked-on2]]

```

## Unlocking Documentation Objects

The following shows the direct command syntax for unlocking documentation objects.

```

UNLOCK DOCUMENT [OBJECT] object-name
      [TYPE object-type]
      [USER locked-by]
      [DATE locked-on [locked-on2]]

```

## Parameter Descriptions

The object name must be defined in each case. If any of the other parameters is not specified, the corresponding default value will be used.

Parameter	Format/Length	Default Value	Description
<i>object-name</i>	A33	*	The name of the object to be unlocked. Asterisk notation (*) or ">" can be used.

Parameter	Format/Length	Default Value	Description
<i>object-type</i>	A1	*	<p><b>Natural object types:</b></p> <p>In place of <i>object-type</i>, you may specify one of the object type codes shown below or an asterisk (*).</p> <p>P        Program</p> <p>4        Class</p> <p>N        Subprogram</p> <p>S        Subroutine</p> <p>7        Function</p> <p>8        Adapter</p> <p>C        Copycode</p> <p>H        Helproutine</p> <p>T        Text</p> <p>3        Dialog</p> <p>M        Map</p> <p>L        Local Data Area</p> <p>G        Global Data Area</p> <p>A        Parameter Data Area</p> <p>V        DDM (View)</p> <p>X        Application</p>
	A2	*	<p><b>Documentation object types:</b></p> <p>User-defined short descriptions for documentation object types or an asterisk (*).</p>
<i>library-name</i>	A8	*	Name of the library where the locked object is in. Asterisk notation (*) can be used.
<i>dbid</i>	A5	current database ID	<p>Database ID of the defined library. Specify asterisk (*) or in format N5.</p> <p>On mainframe servers with parameter SLOCK=PRE, the following applies: When asterisk notation (*) is used, only the current FNAT, FUSER and FDIC files are scanned.</p>

Parameter	Format/Length	Default Value	Description
<i>fnr</i>	A5	current file number	<p>File number of the defined library. Specify asterisk (*) or in format N5.</p> <p>On mainframe servers with parameter SLOCK=PRE, the following applies: When asterisk notation (*) is used, only the current FNAT, FUSER and FDIC files are scanned.</p>
<i>password</i>	A8	blank	<p>If used, the password for the specified system file (<i>dbid</i> and <i>fnr</i>).</p> <p>Needs not to be specified, when the <i>dbid</i> and <i>fnr</i> of the current FNAT or FUSER is used.</p> <p>This parameter is available only in a mainframe remote development environment and when profile parameter SLOCK=PRE has been set in the mainframe environment.</p>
<i>cipher</i>	A8	blank	<p>If used, the cipher key for the specified system file (<i>dbid</i> and <i>fnr</i>).</p> <p>Needs not to be specified, when the <i>dbid</i> and <i>fnr</i> of the current FNAT or FUSER is used.</p> <p>This parameter is available only in a mainframe remote development environment and when profile parameter SLOCK=PRE has been set in the mainframe environment.</p>
<i>application-name</i>	A32	blank	<p>If used, the name of the application to which the locked object belongs.</p> <p>If you specify a blank, all locked objects, irrespective of whether they are linked to an application or not, are listed in a results window where they can be unlocked manually.</p>
<i>locked-by</i>	A8	current user ID	<p>ID of the user who caused the object to be locked. Asterisk notation (*) can be used.</p> <p>If Natural Security is used, it can be changed only if the security unlock flag is set to "F" (forced unlock) in the Natural Security user profile.</p>

Parameter	Format/Length	Default Value	Description
<i>locked-on</i>	A10	blank	The two date parameters are available to provide for the different date formats:  2005-09-28 (date format according to the DTFORM profile parameter) 2005-09-28 11:27:20
<i>locked-on2</i>	A8		Today Today + <i>nnnn</i> Today - <i>nnnn</i> Yesterday

**Note:**

Locking can also be enabled locally on a mainframe server based on Natural for Mainframes Version 4.2 or above. In this case, the following limitations apply: The *application-name* cannot be used as a selection criterion. For *dbid* and *fnr*, the current FNAT and FUSER system files are searched if asterisk notation (\*) is used.

## Parameter Processing and Display of Objects Found

If the parameter(s) specified is (are) valid and a complete object name is specified and if the corresponding object is found and it was locked by the current user, this object is unlocked immediately and a corresponding message is displayed. This applies under the condition that the object name is specified directly without using asterisk notation (\*) and the current user tries to unlock his own locked records.

If any of the parameters specified is invalid or if no objects are found, the unlock dialog with an error message box will appear.

In the following cases, the locked objects found are listed in a results window where they can be unlocked manually:

- if you used asterisk notation (\*) or ">" (where applicable),
- if you did not specify a specific object name,
- if you did not specify an application name.

If the object type of a documentation object is not unique, look into the hidden column next to the object type for the internal object types.

For further information on the results window, see *Unlocking Objects Manually* in the *Remote Development Using SPoD* documentation.