

# System Libraries And Utilities - Old Protection Mechanism

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## NATUNLD/NATLOAD under Natural Security

The setting of the "Utilities" option in the library security profile determines who may to load/unload objects into/from the library with NATLOAD/NATUNLD. This option may take one of the following values:

<b>N</b>	<b>No protection</b> - The contents of the library may be unloaded/loaded by any user.
<b>O</b>	<b>Permission for Owners</b> - Only the owners of the library unload/load its contents; if no owner is specified, any user of type ADMINISTRATOR may do so. In the case of a private library, in addition to the owners, the user with the same ID as the library ID may unload/load the library's contents.
<b>P</b>	<b>Permission under Protection rules</b> - The People/Terminal protection of the library applies: Only users who may use the library - and only under the conditions under which they may use it - may unload/load its contents. For private libraries, the following applies: The user with the same ID as the library ID may unload/load the library's contents; anyone else may do so only after entering that user's password on a countersignature screen provided for that purpose.

## SYSERR under Natural Security

### Restricting the Use of SYSERR Itself

**Note:**

Under Natural Security, the online use of the SYSERR program ERRULDUS for the unloading of messages on mainframe computers is only available to users of type ADMINISTRATOR (regardless of the setting the "Utilities" option).

### Message Maintenance in Libraries

The setting of the "Utilities" option in the library security profile determines who may maintain the library's library-specific error messages (user messages) with SYSERR. This option may take one of the following values:

<b>N</b>	<b>No protection</b> - The library's error messages may be maintained with SYSERR by any user.
<b>O</b>	<b>Permission for Owners</b> - Only the owners of the library may maintain its error messages with SYSERR; if no owner is specified, any user of type ADMINISTRATOR may do so. In the case of a private library, in addition to the owners, the user with the same ID as the library ID may maintain the library's error messages.
<b>P</b>	<b>Permission under Protection rules</b> - The People/Terminal protection of the library applies: Only users who may use the library - and only under the conditions under which they may use it - may maintain its error messages with SYSERR. For private libraries, the following applies: The user with the same ID as the library ID may maintain the library's error messages; anyone else may maintain them only after entering that user's password on a countersignature screen provided for that purpose.

# SYSMAIN under Natural Security

## Restricting the Use of SYSMAIN Itself

On mainframes, you can also restrict the use of individual SYSMAIN functions by disallowing modules.

## SYSMAIN Maintenance of Libraries

The setting of the "Utilities" option in the library security profile determines who may maintain the library's contents with SYSMAIN. This option may take one of the following values:

<b>N</b>	<b>No protection</b> - The library may be maintained with SYSMAIN by any user.
<b>O</b>	<p><b>Permission for Owners</b> - Only the owners of the library may maintain it with SYSMAIN; if no owner is specified, any user of type ADMINISTRATOR may do so. In the case of a private library, in addition to the owners, the user with the same ID as the library ID may maintain it with SYSMAIN.</p> <p>In batch mode, please note that an owner cannot maintain with SYSMAIN the contents of the library if he/she requires a countersignature from a co-owner for maintenance permission (as countersignatures are not allowed in batch mode).</p>
<b>P</b>	<p><b>Permission under Protection rules</b> - The People/Terminal protection of the library applies: only users who may use the library - and only under the conditions under which they may use it - may maintain it with SYSMAIN.</p> <p>For private libraries, the following applies: The user with the same ID as the library ID may maintain the library with SYSMAIN; anyone else may maintain it only after entering that user's password on a countersignature screen provided for that purpose.</p> <p>In batch mode, please note that a user cannot maintain the contents of another user's private library (as no password can be entered in batch mode).</p>

## SYSMAIN Functions LIST and FIND

When using the SYSMAIN functions LIST and FIND, a user will obtain a list of only those libraries which he/she is allowed to maintain with SYSMAIN.