

UTMEX2 - Timer Monitor User Exit

UTMEX2 is a user-written routine called by UTIMRM both:

- Every minute;
- For each request that is to be served.

If it is an 'every minute' request, the exit may perform whatever functions it desires, including internal functions, after which flow may continue (return code = 0), or return again to UTMEX2 (return code = 4).

If it is a serve request, the exit may perform any internal functions, modify the request record, and allow or disallow serving.

A dummy UTMEX2 module is distributed with the Com-plete system as a member of the distribution and load libraries.

This chapter covers the following topics:

- How to Use UTMEX2
 - UTMEX2 Conventions
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How to Use UTMEX2

Upon entry to UTMEX2, a set of parameters is received in the form of fullword addresses pointed to by register 1. Word 1 of the parameter list contains the address of a return code halfword. Word 2 of the parameter list contains the address of a timer record in the format of a DSECT defined by the TIMRSD macro. Word 3 of the parameter list contains the address of a halfword containing the TIDs of the terminal that is to be logged off by the automatic loggoff function.

Note:

If the contents of the areas pointed by word 2 and word 3 are both binary zero, it is considered to be an 'every minute' exit call. In this case, any service can be filled into the timer record.

UTMEX2 Conventions

The following table summarizes the UTMEX2 linkage conventions.

| Feature | Convention | |
|---------------------|--|---|
| Attributes | Reentrant. | |
| Type | Thread. | |
| Size | No restrictions. | |
| Registers at Entry | Register 1 | Address of the parameter list |
| | Register 13 | Address of the caller's 18-fullword save area |
| | Register 14 | Return address in the calling module |
| | Register 15 | Entry point address |
| Registers at Return | Registers 14 through 12 must be unchanged. | |
| Parameters | Word 1 | Address of a return code halfword |
| | Word 2 | Address of the timer record |
| | Word 3 | TID of a terminal to be logged off by the automatic logoff function |
| Return Codes | For serve request/TIB auto logoffs: | |
| | 0 | Allow serving request/TIB auto logoff. |
| | 4 | Do not allow serving request/TIB auto logoff. |
| | For "every minute" calls: | |
| | 0 | Serve request if it exists; then continue. |
| | 4 | Serve request if it exists; then return to UTMEX2. |
| Considerations | a | Is called by UTIMER. |
| | b | Linkage is dynamic, with COLOAD. |