

# Roll Server Messages

This section lists the messages that may be issued by the Natural Roll Server. Unlike Natural system messages, the explanatory long texts to these messages and codes are only available in this document, not online.

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## RSM0001 - Subsystem id invalid

Expl.	A subsystem ID was specified that is longer than 4 characters.
Actn.	Specify a subsystem ID of 1 to 4 characters.

## RSM0002 - Roll file number not numeric

Expl.	The second parameter is not a number.
Actn.	Specify a valid number,

## RSM0003 - Invalid number of roll files

Expl.	A number greater than 5 was specified.
Actn.	Specify a number between 0 and 5.

## RSM0004 - Number of LRB slots not specified

Expl.	The third parameter was omitted.
Actn.	This is a mandatory parameter. Specify a valid number.

## RSM0005 - Number of LRB slots not numeric

Expl.	The third parameter is not a number.
Actn.	Specify a valid number.

## RSM0006 - Number of LRB slots > 32767

Expl.	The number of LRB slots specified is too large.
Actn.	Specify a maximum of 32767 LRB slots.

**RSM0007 - Invalid CF structure name**

Expl.	A structure name of more than 16 characters was specified.
Actn.	Specify a structure name of 16 characters or less.

**RSM0008 - Bad return code from IEANTRT: *rc***

Expl.	The Name/Token Service returned return code <i>rc</i> .
Actn.	See the current IBM <i>MVS Programming: Authorized Assembler Services Reference</i> manual for information about the return code from the IEANTRT request.

**RSM0009 - DCB buffer could not be obtained. Reason: *reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0010 - OPEN failed for DDNAME: *ddname***

Expl.	The roll file specified under DDNAME <i>ddname</i> could not be opened.
Actn.	Specify a valid roll file DSN.

**RSM0011 - Duplicate roll file DSN**

Expl.	The same DSN was specified for two roll file DDNAMEs.
Actn.	Specify unique DSNs for each roll file.

**RSM0012 - Temp roll file buffer could not be obtained. Reason: *reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0013 - RF directory buffer could not be obtained.****Reason: *reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0014 - LRB directory could not be obtained. Reason:*****reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0015 - Creation of dataspace failed. Reason: *reasoncode***

Expl.	The DSPSERV macro returned reason code <i>reasoncode</i> .
Actn.	See the current IBM <i>MVS Programming: Authorized Assembler Services Reference</i> manual for information about the reason code from the DSPSERV CREATE request.

**RSM0016 - ALESERV ADD failed. Reason: *reasoncode***

Expl.	The DSPSERV macro returned reason code <i>reasoncode</i> .
Actn.	See the current IBM <i>MVS Programming: Authorized Assembler Services Reference</i> manual for information about the reason code from the ALESERV ADD request.

**RSM0017 - Size for LRB > 524287 blocks**

Expl.	The number of LRB slots times LRB slot size exceeds 2 Gigabytes.
Actn.	Specify fewer LRB slots or a smaller slot size.

**RSM0018 - LX table could not be obtained. Reason:*****reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0019 - Roll Server Version 42x is active**

Expl.	The Roll Server initialized successfully and is ready for work.
Actn.	None.

**RSM0020 - Subtask terminated: *taskname rc***

Expl.	The subtask indicated by <i>taskname</i> has terminated. If the return code is not zero, it is indicated as <i>rc</i> .
Actn.	If a nonzero <i>rc</i> is reported, contact Software AG.

**RSM0021 - Subtask termination initiated**

Expl.	In response to a TERM or DEAL operator command, the Roll Server has started to terminate its subtasks.
Actn.	None.

**RSM0022 - All subtasks terminated**

Expl.	In response to a TERM or DEAL operator command, the process of terminating the subtasks is finished.
Actn.	None.

**RSM0023 - Other than MODIFY or STOP command received**

Expl.	The Roll Server received a CIBVERB other than MODIFY or STOP.
Actn.	Contact Software AG.

**RSM0024 - Trace activated**

Expl.	In response to the TRSTART operator command, the internal trace facility is started.
Actn.	None.

**RSM0025 - Trace stopped**

Expl.	In response to the TRSTOP operator command, the internal trace facility is stopped.
Actn.	None.

**RSM0026 - Command allowed in active state only: *command***

Expl.	In deallocated (DEAL) state, the Roll Server cannot accept operator command <i>command</i> .
Actn.	Issue the START operator command, then repeat the rejected command.

**RSM0027 - Unknown command *command***

Expl.	An invalid operator command was issued to the Roll Server.
Actn.	Check for typing error and correct.

**RSM0028 - We are already deallocated**

Expl.	The operator command DEAL (deallocate) was issued when the Roll Server already was in deallocated state.
Actn.	None.

**RSM0029 - Recursive abend in maintask. Now waiting for CANCEL command**

Expl.	An abend occurred during abend recovery.
Actn.	Cancel the Roll Server started task and contact Software AG.

**RSM0030 - Low Water Mark not numeric or invalid**

Expl.	The sixth paramter is not a number or exceeds 10.
Actn.	Specify a low water mark between 0 and 10.

**RSM0031 - High Water Mark not numeric or invalid**

Expl.	The seventh paramter is not a number or exceeds 10.
Actn.	Specify a high water mark between 0 and 10.

**RSM0032 - Work buffer could not be obtained: *reasoncode***

Expl.	A STORAGE OBTAIN request failed with <i>reasoncode</i> .
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0033 - All resources deallocated**

Expl.	In response to a DEAL (deallocate) operator command, the Roll Server is now in deallocated state.
Actn.	None.

**RSM0034 - START allowed in deallocated state only**

Expl.	The START operator command was issued while the Roll Server was in active state.
Actn.	Issue the DEAL (deallocate) command before issuing the START command.

**RSM0035 - START parameters missing**

Expl.	The START operator command was issued with insufficient parameters.
Actn.	Correct the START command and re-issue it.

**RSM0036 - DUMP successful for roll file *n***

Expl.	Slots from the Local Roll Buffer and the Roll File Directory were successfully written to Roll File <i>n</i> on disk.
Actn.	None.

**RSM0037 - DUMP failed for roll file *n***

Expl.	The Roll Server was unable to write slots and directory to Roll File <i>n</i> .
Actn.	Look for accompanying messages indicating the error situation that prevented a successful dump.

**RSM0038 - SNAP failed. Task RB could not be obtained**

Expl.	A STORAGE OBTAIN request failed.
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0039 - XES functions not available**

Expl.	Environmental error. XES functions are not available. This can occur because the coupling facility hardware necessary to provide XES functions is not present.
Actn.	Re-IPL the system or contact IBM.

## **RSM0040 - IXLCONN unsuccessful. Reason code:** *reasoncode*

Expl.	A connection to the Coupling Facility structure specified as fifth parameter could not be established.
Actn.	Determine the meaning of the reason code in <i>z/OS Programming: Sysplex Services Reference</i> and follow the indicated action.

## **RSM0041 - CF initialization successful for list: *n***

Expl.	The Role File Directory for Roll File <i>n</i> was established in the list structure specified as fifth parameter.
Actn.	None.

## **RSM0042 - CF initialization failed for list/RSN code:** *reasoncode*

Expl.	The Role File Directory for Roll File <i>n</i> could not be established in the list structure specified as fifth parameter. The reason codes are as follows:	
	12	STORAGE OBTAIN failed.
	16	An abend occurred during initialization.
	20	The Structure is allocated too small to hold the Roll File Directory.
	24	Structure failure or connectivity lost.
Actn.	For Reason Code 12:	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)
	For Reason Code 16:	Contact Software AG.
	For Reason Code 20:	Define a larger size for the CF structure in the CFRM policy.
	For Reason Code 24:	Reset the structure using operator command SETXCF FORCE , STR , STRNAME= <i>name</i> . If the error persists, contact IBM.

## **RSM0043 - IXCJOIN failed. Return/Reason code:** *reasoncode*

Expl.	The Roll Server could not join its IXC message group.
Actn.	Determine the meaning of the reason code in z/OS Programming: <i>Sysplex Services Reference</i> and follow the indicated action.

## **RSM0044 - Act conn buffer could not be obtained**

Expl.	A STORAGE OBTAIN request failed.
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

## **RSM0045 - Applied zaps:**

Expl.	When Zaps are applied to the Roll Server, it issues this message, followed by a list of applied zaps.
Actn.	None.

## **RSM0046 - Roll file in use by job *jobname* ASID *asid***

Expl.	The Roll Server cannot start because another Roll Server is using a roll file. The other Roll Server is running in job or started task named <i>jobname</i> with address space identifier <i>asid</i> . The message is followed by the roll file's DSN.
Actn.	Ensure that all Roll Servers have dedicated roll files.

## **RSM0047 - Operator command: *command***

Expl.	The Roll Server echoes operator commands to JESMSGLG.
Actn.	None.

## **RSM0048 - IARV64 GETSTOR failed. Return code: *rc***

Expl.	The Roll Server uses Memory Objects for the Local Roll Buffers. The Memory Objects are acquired using the IARV64 services. A GETSTOR function failed.
Actn.	Determine the action in the IARV64 description in the current IBM <i>MVS Programming: Authorized Assembler Services Reference</i> manual.



**RSM0049 - Disconnected from CF with RSN=FAILURE**

Expl.	The Roll Server disconnected from the Coupling Facility structure with parameter REASON=FAILURE in order to notify other participating Roll Servers of its own termination with failure.
Actn.	None.

**RSM0050 - Disconnected from CF with RSN=NORMAL**

Expl.	The Roll Server disconnected from the Coupling Facility structure with parameter REASON=NORMAL in order to notify other participating Roll Servers of its own normal termination.
Actn.	None.

**RSM0051 - Roll file *n* is newer than the CF structure**

Expl.	A roll file was newly formatted, but the Coupling Facility structure still contains its Roll File Directory.
Actn.	After formatting a roll file, re-initialize the CF structure using operator command SETXCF FORCE , STR , STRNAME= <i>name</i>

**RSM0052 - Not enough storage for IARV64 GETSTOR - Increase MEMLIMIT**

Expl.	Not enough memory in Memory Objects could be allocated to hold the Local Roll Buffer(s). The allocatable amount is controlled by the MEMLIMIT parameter of the JCL EXEC statement and SMF exit IEFUSI.
Actn.	Increase the amount of usable storage in the MEMLIMIT parameter, or change the IEFUSI exit.

**RSM0053 - Not enough memory for SNAP**

Expl.	A SNAP dump could not be taken because a STORAGE OBTAIN request failed.
Actn.	Increase virtual storage available to the Roll Server. (REGION option of the JCL EXEC statement.)

**RSM0054 - OPEN for SYSUDUMP failed**

Expl.	A SNAP dump could not be taken because SYSUDUMP could not be opened.
Actn.	Ensure that the Roll Server job or started task includes a DD statement for SYSUDUMP.

**RSM0055 - CF structure does not contain enough lists**

Expl.	For each roll file, the Roll Server maintains its directory in a separate list in the CF structure. The existing structure has fewer lists than the number of roll files to be used.
Actn.	Re-initialize the CF structure using operator command SETXCF FORCE , STR , STRNAME= <i>name</i> , or use fewer roll files.

**RSM0056 - LRB slotsize invalid or not numeric**

Expl.	The fourth parameter is either not numeric or greater than 10000000.
Actn.	Correct typing error or specify a smaller LRB slot size.

**RSM0057 - Bad return code from IEANTCR: *rc***

Expl.	The Name/Token Service denied a create request with return code <i>rc</i> .
Actn.	Determine the action from the description of IEANTCR in the current IBM <i>MVS Programming: Authorized Assembler Services Reference</i> manual.

**RSM0058 - Rollserver already active in *subsid*: Job *jobname*  
ASID *asid***

Expl.	The Roll Server determined that in the Natural subsystem specified in the first parameter, <i>subsid</i> , another Roll Server is already active. The other Roll Server is running in job or started task named <i>jobname</i> , with address space identifier <i>asid</i> .
Actn.	Start only one Roll Server per Natural subsystem per MVS image.

**RSM0059 - Roll file *ddname* is below version 412**

Expl.	The roll file specified in <i>ddname</i> has an incompatible format.
Actn.	Reformat the roll file using NATRSRFI. Please, refer to <i>Natural Roll Server Operation</i> in the <i>Natural Operations</i> documentation.

**RSM0060 - User exit loaded: NATRSU14**

Expl.	User exit NATRSU14 is loaded and will be called to allocate users to roll files.
Actn.	None.

**RSM0061 - Slot size must be specified when no roll files are used**

Expl.	When running without roll files, a default value for the LRB slot size cannot be determined.
Actn.	Specify LRB slot size as fourth parameter.

**RSM0062 - Running with in-core roll file**

Expl.	The second parameter specified 0 for the number of roll files. Natural threads are held in Local Roll Buffer slots only and are lost when the Roll Server terminates.
Actn.	None.

**RSM0063 - Coupling Facility will not be used**

Expl.	The second parameter specified 0 for the number of roll files, yet the fifth parameter specified a CF structure. To enable Natural to run on several MVS images in a Parallel Sysplex, the Roll Server needs to use roll files. Operation continues without roll files, but the Roll Server will not communicate with other Roll Servers in other MVS images.
Actn.	Specify roll files in a Parallel Sysplex, or do not specify a CF structure name with zero roll files.

**RSM0064 - High/low water marks ignored**

Expl.	The second parameter specified 0 for the number of roll files, yet low or high watermarks were also specified. With no roll files, low and high watermark are meaningless. Operation continues.
Actn.	Do not specify watermarks with zero roll files.

**RSM0065 - XES Event exit received unexpected event type:  
*nn***

Expl.	The exit for the connection to the CF structure received an event type that it cannot handle. <i>nn</i> is the number corresponding to the event type.
Actn.	Contact Software AG Support.

## RSM0066 - REBUILD Start: CF structure temporarily unavailable

Expl.	Operator command SETXCF START,REBUILD... was issued for the Coupling Facility Structure that holds the Roll File Directory. Roll Server operation is quiesced until the Rebuild operation is complete.
Actn.	None.

## RSM0067 - REBUILD End: CF structure available again

Expl.	Operator command SETXCF START,REBUILD... was issued for the Coupling Facility Structure that holds the Roll File Directory. Rebuild is now complete and the Roll Server resumes normal operation.
Actn.	None.

## RSM0068 - LRB slot size parameter ignored

Expl.	When running with roll files, the roll file slot size determines the LRB slot size.
Actn.	Specify this parameter only when running without roll file.

## RSM0069 - Invalid non-activity time

Expl.	The eighth start-up parameter ( or TIMEOUT NAT command) is not numeric or greater than 10000000.
Actn.	Specify a valid number.

## RSM0070 - Invalid timeout check time

Expl.	The ninth start-up parameter (or TIMEOUT TOC command) is not numeric or not a valid time of day.
Actn.	Specify a valid time of the form <i>h</i> , <i>hh</i> , <i>hmm</i> , or <i>hhmm</i>

## RSM0071 - Timeout check time specified without non-activity time

Expl.	The ninth start-up parameter (or TIMEOUT TOC command) was specified without a valid eighth parameter (or preceding TIMEOUT NAT $n$ command).
Actn.	Specify a valid non-activity time as start-up parameter or issue TIMEOUT NAT $n$ command before TIMEOUT TOC.

**RSM0072 - Timeout processing starting**

Expl.	The routine to detect and delete non-active sessions is running.
Actn.	None.

**RSM0073 - Timeout processing deleted *n* sessions**

Expl.	Timeout check has detected and deleted <i>n</i> sessions that had been inactive longer than the non-activity time specified as start-up parameter or with the <code>TIMEOUT NAT</code> command.
Actn.	None.

**RSM0074 - Timeout processing ended with return code *rc***

Expl.	The routine to detect and delete non-active sessions has ended with return code <i>rc</i> . In case of return code 12, <i>rc</i> takes the form <i>rc/rsn</i> , where <i>rsn</i> is the reason code.
Actn.	Check in <i>Return Codes and Reason Codes of the Roll Server Requests</i> for an explanation of the return and reason code, and action to be taken.

**RSM0075 - TIMEOUT ON/NOW rejected: No valid timeout parameters**

Expl.	No valid non-activity time and/or no valid timeout-check-time has been specified before this command was issued.
Actn.	For <code>TIMEOUT ON</code> , either specify non-activity time and timeout-check-time as start-up parameters, or precede the command with <code>TIMEOUT NAT</code> and <code>TIMEOUT TOC</code> commands. For <code>TIMEOUT NOW</code> , either specify non-activity time as start-up parameter or precede the command with <code>TIMEOUT NAT</code> .

**RSM0076 - Timeout processing disabled**

Expl.	Timeout processing was disabled by a <code>TIMEOUT OFF</code> command.
Actn.	None.

**RSM0077 - Invalid TIMEOUT parm. Specify NAT, NOW, ON, OFF, TOC, or ?**

Expl.	The <code>TIMEOUT</code> operator command was issued with an invalid sub-parameter.
Actn.	For a valid <code>TIMEOUT</code> command syntax, refer to <i>Natural Roll Server Operation</i> in the <i>Operations</i> documentation.

**RSM0119 - Roll Server settings in effect:**

Expl.	This message is issued at Roll Server start-up. It is followed by several RSM0119 messages of varying contents, summarizing parameters in effect for this run.  Selected RSM0119 messages are also issued in response to the TIMEOUT operator command.
Actn.	None.

**RSM0120 - Start of Statistics**

Expl.	This message is issued during shut-down and in response to the STATS operator command.  Several RMS0190 statistics messages with varying text follow this message.
Actn.	None.

**RSM0120 - End of Statistics**

Expl.	This message is issued during shut-down and in response to the STATS operator command.  It indicates the end of statistics output.
Actn.	None.

**RSM0190 - ++++++ Start of Diagnostics ++++++**

Expl.	This message is issued in response to the DIAGNOSE operator command.  Several RMS0190 messages with varying text may follow this message, depending on the nature of diagnostic Zaps supplied by Software AG.
Actn.	Follow advice given with diagnostic Zap.

**RSM0190 - ++++++ End of Diagnostics ++++++**

Expl.	This message is issued in response to the DIAGNOSE operator command. It indicates the end of output generated by the DIAGNOSE command.
Actn.	Follow advice given with diagnostic Zap.