

# Adabas Console Messages

The following messages may be displayed on the operator console during an Adabas session. Each message number is followed first by either

- "ADAB" for Adabas SVC module messages; or
- the database identification (DBID) of the physical database for which the message applies.

Then follows the error date and time and finally the message text. The console messages have the same general format:

*ADANnn database ID yyyy-mm-dd hh:mm:ss message text*

Because of space restrictions, the message descriptions are shown here without the database ID and date/time portion of the message.

## Note:

Some message numbers have been assigned to more than one message text.

- ADANnn Messages
- ADATCP Messages (Prefix ADACM)

## ADANnn Messages

### Overview of Messages

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**ADAN01**      **A D A B A S (v v . r . s) is active**

**ADAN01**      **MODE = { single | multi }**

**ADAN01**      **Running { with | without } recovery-log**

**Explanation:** The Adabas nucleus at release level "v.r.s" has been initiated successfully. Multi- or single-user mode is indicated, and whether the nucleus is running with or without the Adabas Recovery Aid (ADARAI) log.

**ADAN02**      **Nucleus-run { with | without } protection log**

**Explanation:** The Adabas nucleus session has been initiated and database protection logging either has or has not been specified. The subsequent execution of the REGENERATE and BACKOUT functions of the ADARES utility for any updates applied during the session is only possible when protection logging has been specified. However, transaction recovery for ET logic users is not affected by PLOG specification since data protection information for such users is still maintained on the Adabas Work file.

**ADAN03**      **ADABAS coming up**

**Explanation:** Adabas session initialization is in progress.

**ADAN03**      **Initializing NUCID=nnnnn INTNUCID=xx**

**Explanation:** Initialization is in progress for the specified external nucleus ID (nnnnn) with the specified internal nucleus ID (xx). This message is useful for determining the internal system-assigned nucleus ID associated with the external user-assigned NUCID.

**ADAN04**      **Abnormal end due to work overflow**

**Explanation:** The Adabas nucleus detected an overflow condition on the Work dataset that could not be rectified by normal Adabas backout processing. The Adabas session was therefore terminated abnormally.

**Action:** Notify the DBA immediately.

**ADAN05**      **Warning. Now it is too late to copy DDPLOGRn**

**Explanation:** Adabas has begun to write data protection log data to the dataset identified by DD/PLOGRn. This means that the dataset can no longer be copied to tape for subsequent use as input to the REGENERATE or BACKOUT functions of the ADARES utility. A user exit 2 (dual log processing) or a user exit 12 (multiple log processing) call either was not made or did not successfully copy the DD/PLOGRn dataset with the ADARES utility.

**ADAN05 I/O error on PLOGRN**

**Explanation:** An I/O error occurred on the dual or multiple protection log datasets. Processing continues without protection logging.

**ADAN06 Number of HQES = nnn**

**Explanation:** This message is displayed in response to the operator command DNH. The number of ISNs currently in the Adabas hold queue is represented by "nnn".

**ADAN06 I/O error on SIBA**

**Explanation:** An I/O error occurred on sequential protection log SIBA. If the nucleus runs with PLOGRQ=YES, the nucleus terminate with user abend 22; otherwise, the SIBA is set to dummy and processing continues without protection logging.

**ADAN07 Current HQ is empty**

**Explanation:** This message is displayed in response to the operator commands DHQ or DHQA in the event that the hold queue is empty.

**ADAN07 SIBA is set to DUMMY**

**Explanation:** This message may follow an ADAN06 message.

**ADAN08 FILE=file-number, ISN=isn, USER=user-id**

**Explanation:** This message is displayed in response to the operator command DHQ or DHQA. For each ISN in the hold queue, the file number, ISN, and Adabas-assigned ID of the user for whom the ISN is being held is given.

**ADAN08 Rerun ADARES with larger LP-SIZE**

**Explanation:** The LP parameter specifies the number of blocks to allocate to the data protection area, which is part 1 of the Work dataset. This area must be large enough to accommodate the data protection information for the current transaction for all ET Logic users.

**ADAN09 Number of UQES = nnn**

**Explanation:** This message is displayed in response to the operator command DNU. "nnn" indicates the number of user queue elements currently active.

**ADAN10**      **Current UQ is empty**

**Explanation:** This message is displayed in response to the operator command DUQ in the event that there are no users currently active and/or the current UQ does not contain utility UQEs (response to DUUQE).

**ADAN11**      **USER=user-id, JN=job-name, TY=t, LA=ns, TID=aaaaaaaa ( xxxxxxxx )**

**Explanation:** This message, a response to a DUQ, DUQA, or DUUQE operator command, provides the following information about each user:

user-id	the Adabas-assigned user ID
job-name	the name of the related job
t	User type: A:           access-only user E:           ET logic user U:           utility or Adabas Online System user X:           exclusive update user
n	time (in seconds) since the last activity
aaaaaaaa	terminal ID (alphanumeric)
xxxxxxxx	terminal ID (hexadecimal)

The terminal ID is the contents of the UQE.

**ADAN12**      **USER=user-id, JN=job-name**

**ADAN12**      **TY=t , LA=ns**

**ADAN12**      **USERID=opuser-id, ST=status, TRST=m, NF=count**

**ADAN12**      **FILE=n(s),...n(s)**

**Explanation:** This message is displayed in response to the operator command DUQE. The following information is given for each user queue element:

user-id	the Adabas-assigned user ID, or "WITHOUT USER-ID"
job-name	the name of the related job
t	user types: A: access-only user E: ET logic user U: utility or Adabas Online System user X: exclusive update user
n	time (in seconds) since the last activity
opuser-id	user ID assigned by user with OP command
status	user status: E: ET user in ET status -: ET user not in ET status T: timed-out user
m	time in seconds since start of transaction
count	number of files in the file list
n(s)...	"n" is the file number; "s" is the file status: A: being accessed by the user F: open for EXF user P: open for Adabas utility U: being updated by the user X: open for exclusive updating

### ADAN13 Number of posted CQES = nnn

**Explanation:** This message is displayed in response to the DNC operator command. "nnn" indicates the number of posted command queue elements.

**ADAN14**      **Current CQ is empty**

**ADAN14**      **USER=user-id, JOBNAME=job-name**

**ADAN14**      **CMD=cmd-code, FILE=fnr, STCK=timestamp, IUBL=buf-length**

**Explanation:** This message is displayed in response to the DCQ operator command. Unless the command queue (CQ) is empty, the message displays the following for each commange queue element (CQE):

user-id	the last eight bytes of the user's 28-byte communication ID presented in characters if it is readable or in hexadecimal if it contains noncharacter data.
job-name	the user's job name
cmd-code	the two-character Adabas command code
fnr	the Adabas file number specified in the command
timestamp	the machine time (in STCK format) as of when the command entered the command queue
buf-length	the total length of the buffers belonging to the command.

**ADAN15**      **LBP-size too small for the number of threads**

**Explanation:** The specified or available buffer pool space may not be large enough for the number of threads specified by the ADARUN NT parameter. This message is a warning. Adabas allocates 50 kilobytes per thread and processing continues.

**Action:** Either increase the buffer pool size (specified by the ADARUN LBP parameter) or decrease the thread count (with the ADARUN NT parameter). Restart Adabas. If the error occurs again, allocate more address space for the Adabas nucleus and check the session I/O statistics for buffer efficiency.

**ADAN16**      *ADARUN-parameter-settings*

**Explanation:** This message is displayed on the console in response to the operator command DPARM. The current setting for each ADARUN parameter specified for an Adabas nucleus is given using this message number.

**Action:** No action is required for this informational message.

**ADAN17**      **[special nucleus status indicators, if applicable]**

**ADAN17**      **READ I/Os A=nnn, D=nnn, W=nnn**

**ADAN17**      **WRITE I/O A=nnn, D=nnn, W=nnn**

**ADAN17**      **Nr. of commands=nnn , buffer efficiency=nn.n**

**ADAN17**      **Nr. of fmt-tran.=nnn , nr. of fmt-ovwr.=nnn**

**ADAN17**      **THREADnnn = nnn commands**

**Explanation:** This message is displayed in response to the operator command DSTAT.

Except for the first optional message line, the messages display the following information:

READ I/Os A=nnn	physical read I/Os to Associator
READ I/Os D=nnn	physical read I/Os to Data Storage
READ I/Os W=nnn	physical read I/Os to Work
WRITE I/Os A=nnn	physical write I/Os to Associator
WRITE I/Os D=nnn	physical write I/Os to Data Storage
WRITE I/Os W=nnn	physical write I/Os to Work
NUMBER OF COMMANDS=nnn	number of commands processed
BUFFER EFFICIENCY=nn.n	number of logical I/Os divided by number of physical I/Os
FORMAT TRANSLATIONS=nnn	number of translations into internal format buffer
FORMAT OVERWRITES=nnn	number of times an existing internal format entry format entry was overwritten
THREADnnn=nnn COMMANDS	number of commands processed in the specified thread. The nucleus omits threads in which no commands are executed.

The special nucleus status indicators that can occur in the first message are as follows:

Message Text	Explanation
ADAEND IN PROGRESS	The Adabas nucleus is shutting down.
ET-SYNCHRONIZATION IN PROGRESS	New transactions are delayed until all open transactions are finished.
ONLINE DATABASE SAVE RUNNING	Update utility functions are rejected.
ONLINE FILE SAVE RUNNING	Update utility functions on the files being saved are rejected.
EXCLUSIVE-DB-CONTROL UTILITY RUNNING	No other users can log on.
{ READ   UTI } -ONLY TRANSITION	Transition into read-only or utility-only status.
READ-ONLY STATUS	Update commands are rejected.
UTI-ONLY STATUS	Only privileged users such as the Adabas utilities and AOS can log on.
UPDATE PROCESSING SUSPENDED	Update commands are delayed until normal processing resumes.

**ADAN18**      **THN=nnn, ST=status, USE=ccc**

**Explanation:** In response to the operator command DTH, shows the following information for each thread:

nnn	thread number
status	thread status:
	AA      Active
	RR      Ready to run
	UU      Unused
	WAP     Waiting for asynchronous post
	WE      Waiting for event
	WHQ     Waiting for hold queue space
	WI      Waiting for I/O
	WSP     Waiting for workpool space
	WLF     Waiting for logical buffer flush
	WPF     Waiting for physical buffer flush
	WP2     Waiting for PLOG write I/O
	WQE     Waiting for queued event
	WRB     Waiting for RABN
	WSE     Waiting for simple event
WTI     Waiting for time elapse	
WW2     Waiting for WORK write I/O	
W*      Waiting for other event	
ccc	count of commands processed by the thread

**ADAN19**      **Buffer flush is asynchronous**

**Explanation:** This message and the asynchronous buffer flush occur when the ADARUN LFIOP parameter specifies a nonzero value.

**ADAN20 ONLINE-DB-SAVE started**

**ADAN20 PLOG-NR=session-number, BLK-NR=block-number**

**ADAN20 VOLSER-NR=volume**

**Explanation:** Online execution of the ADASAV utility's SAVE database function has started. The message shown above occurs for both database and file SAVES and specifies the following:

session-number	the number of the session with which SAVE begins.
block-number	the RABN block that specifies the SYN1 starting point of the SAVE.
volume	the current SIBA volume/serial number.

**Action:** Save this session/RABN information and the related PLOG and other SAVE output for later ADASAV restore activity.

**ADAN21 Protection log DD/PLOGRN started**

**Explanation:** Adabas is now ready to begin writing data protection information to the dual or multiple data protection log identified by DD/PLOGRn.

**Action:** Execute the PLCOPY function of the ADARES utility at this time.

**ADAN22 File dump online started**

**ADAN22 DATASET-NR=session-number, BLK-NR=block-number**

**ADAN22 VOLSER\_NR=volser**

**Explanation:** The online ADASAV SAVE FILE execution has begun. The SAVE operation begins with session "session-number", using the SYN4 start point indicated by RABN "block-number".

**Action:** Save this session/RABN information and the related PLOG and SAVE output for later ADASAV RESTORE activity.

**ADAN23 date time online process { started | partially done | done | stopped | terminated with error }**

**ADAN23 process-type, FNR=fnr, DE=aa**

**Explanation:** An online process has started, is ongoing or has completed, terminated due to an error, or was stopped. The type of process is displayed, as well as the file number and details about the process as appropriate.

**ADAN24**      **date time DISPLAY PPT RABNs nnnn TO mmmm**

**Explanation:** In response to operator command DPPT (Display PPT), this and subsequent messages show the contents of the Participating Plex-ID Table (PPT).

**ADAN25**      **DIB block is currently empty**

**ADAN25**      **JOBNAME=job-name, STARTTIME=hh:mm:ss , LID=user-id**

**Explanation:** In response to operator command DDIB (display DIB block), this message either indicates an empty DIB block or provides the following DIB information:

job-name	job name
hh:mm:ss	job start time
user-id	user ID assigned in the OP command

**ADAN26**      **Files locked=file-number, ...**

**Explanation:** In response to the DDIB operator command, this message displays the "file-number" of a file that is locked because it is being used by an Adabas utility.

**ADAN27**      **date time RELEASE DE**

**ADAN27**      **RELEASE DONE, FNR=fnr DE=de**

**Explanation:** The Release Descriptor function at the end of an aborted online invert process has released the descriptor shown for the file shown.

**ADAN27**      **date time RELEASE DE**

**ADAN27**      **RELEASE DE TERMINATED DUE TO ERROR**

**ADAN27**      **FILE WILL BE LOCKED COMPLETELY**

**ADAN27**      **FNR=fnr DE=de RESPONSE=rsp**

**Explanation:** The Release Descriptor function at the end of an aborted online invert process has failed with the response code shown. The file is locked.

**ADAN27**      **date time RELEASE DE**

**ADAN27**      **FUNCTION TERMINATED**

**Explanation:** The Release Descriptor function at the end of an aborted online invert process has finished. If the online invert was processing an expanded file, the Release Descriptor function has been executed on all component files of the expanded file.

**ADAN28**      **High water marks**

**ADAN28**      **name-pool value cur-value hw-value**

**Explanation:** In response to the DRES operator command, this message displays the pool/queue allocated record count, current value, and highest value reached ("high water mark") for the current session. The second line of the message occurs once for each of the following pool or queue items:

name	is the pool or queue item:  AB:      attached buffer table - current allocation not supported  CQ:      command queue  FI:      internal format buffer pool  HQ:      hold queue  TBI:      ISN table  TBS:      sequential ISN list  UQ:      user queue  WORK    work pool
value	is the maximum pool value for the related 'name'
cur-value	is the current record count in the pool/queue
hw-value	is the highest count of the maximum pool value used to this point in the current session.

**ADAN29**      **(No) users stopped**

**Explanation:** In response to the STOPI operator command, this message displays either as "users stopped" or "no users stopped", depending on the action performed by the STOPI command.

**ADAN2A      Overwriting PPT entry for NUCID=nnnnn**

**Explanation:** There are already 32 entries in the parallel participant table. The nucleus ID entry specified was inactive and is being overwritten.

**ADAN2B      Different work dataset was detected**

**Explanation:** A Work dataset was specified that is different from the one used in the previous session. This message is displayed only when the previously used Work dataset contains a pending autorestart.

**ADAN2C      Unable to open or read previous work dataset**

**Explanation:** A Work dataset was specified that is different from the one used in the previous session. An attempt to read the Work dataset used in the previous session to search for a pending autorestart failed.

**ADAN2D      Caution - pending autorestart detected**

**Explanation:** A Work dataset was specified that is different from the one used in the previous session. The previously used Work dataset was read and contains a pending autorestart. The ADAI63 message identifies the previous Work dataset.

**ADAN2E      Warning - PLOG datasets have changed. PPT overwritten.****ADAN2E      Use ADARES PLCOPY NOPPT to copy previous PLOG datasets.**

**Explanation:** The protection log (PLOG) datasets have changed from the previous session and the previous PLOG datasets have not been copied. Because FORCE=YES was not specified, the parallel participant table (PPT) entry for these datasets has been overwritten.

**Action:** Software AG recommends that you use the ADARES PLCOPY NOPPT function to copy the PLOGs from the previous session.

**ADAN30      FILES=n,n, ...****ADAN30      No files locked**

**Explanation:** In response to the operator command DLOCKF, this message displays the files that have been locked by LOCKF or LOCKU.

**ADAN31**      **FILE=n, ACC=n, UPD=n, EXU=n, UTI=n**

**Explanation:** In response to the operator command DFILES, this message displays the number of users currently active for the specified file.

**ADAN33**      **FILE=n, USAGE=n**

**ADAN33**      **FILE=n is not used**

**Explanation:** In response to the operator command DFILUSE, this message displays the number of active commands (USAGE=n) for the specified file (FILE=n), or that the specified file does not exist in the database.

**ADAN34**      **No users stopped**

**Explanation:** In response to operator command STOPF, this message indicates that no users were active when the command was issued.

**ADAN35**      **date time online processes:**

**process-type SORTSEQ=file=fnr, CUR-RABN=rabn-nr, CUR-ISN=isn**

**ID=x'nnnnnnnn', { active | suspended }**

**Explanation:** In response to the operator command DONLSTAT, this message lists all online processes present in the nucleus session, the kind of process, the file number, the current RABN or ISN (depending on the function), the ID of the process, and whether the process is active or suspended.

**ADAN41**      **Function completed**

**Explanation:** The command or function issued was completed successfully.

**ADAN42**      **date time function accepted**

**Explanation:** The command issued was accepted by Adabas.

**ADAN43 Invalid type-in: request**

**Explanation:** Either the request "request" was invalid or it was not correctly entered.

**Action:** Check the request/command syntax and validity, then retry the request.

- A request to end a nucleus session with DUMP is invalid, and should not be retried.
- An operator command to change the cache space parameters for a file (CFILE) that has an existing cache space is invalid. It is necessary to first delete the existing cache space and then add a new one with different parameters.

**ADAN44 Function not executed**

**Explanation:** Adabas could not perform the function because of

- space restrictions;
- a conflict between the requested command/function and the systemstatus.

**Action:** Check for other related messages, correct any previously indicated errors, then retry the operation. Otherwise, contact your DBA, system support personnel, or Software AG technical support.

**ADAN45 User does not exist**

**Explanation:** The user specified in the request/command is either not active or not known to the system.

**Action:** Check for the validity of the user ID or possible errors when the specified user ID was entered.

**ADAN46      Function not executable**

**Explanation:** The requested function/command was valid but could not be executed. This message may occur alone or preceded by one of the following ADAN46 messages, which provide reasons why the current nucleus status does not allow the requested function:

<b>ADAN46 Message Text</b>	<b>Explanation</b>	<b>Action</b>
Online process running	The ADAEND request was rejected because an online reorder or online invert process is running.	Request ADAEND again after the online process finishes. Consider using HALT to stop the online process and shut down the nucleus.
Not yet supported by Cluster Services	The version of Adabas Cluster Services you are running does not support the requested function. The function is supported only by a nucleus running in noncluster mode.	
Failed to acquire global parameter lock	An error occurred when a nucleus running in Adabas cluster mode attempted to acquire the global parameter lock in order to change a global Adabas parameter. The parameter was not changed.	Contact your Software AG technical support representative.

In addition, if User Exit 2 is attempting to switch from one dual log to another and if the data set to be overwritten is full, this error will be issued.

**Action:** Wait a minute or two, then retry the command. If the message recurs, advise your system support personnel. If the message recurs while trying to issue a command in response to a previous error, make a note of that error and the related information for future reference.

**ADAN47      Online DUMP-DB is running, function not executed**

**Explanation:** A SYNCC, ADAEND, HALT, or CANCEL operator command was issued, but is not permitted during the current online save operation.

**Action:** Wait until the online save has ended, then retry the command.

**ADAN47      Net-work termination target-node due to conflict**

**Explanation:** In Entire Net-wWrk, target node IDs must be unique across all connected systems. If an attempt is made to connect to a target node ID that is not unique, the system terminates abnormally (ADAEND).

**Action:** Identify the conflicting node IDs and determine which one is to be active under the specified ID number.

**ADAN48      File currently in use - function not executed**

**Explanation:** A LOCKF, LOCKU, or LOCKX operator command was issued but the file specified is currently in use.

**Action:** Wait until the file is no longer in use, then retry the command.

**ADAN48      File not loaded**

**Explanation:** The file specified in the ALOCKF function is not loaded.

**ADAN49      { user-id | job-name } backed out { during system OPEN | by ADARES }  
UID=communication-id**

**Explanation:** The last, incomplete transaction of the specified user (or job, if the user is not displayable) has been backed out during Adabas session autorestart or at the end of REGENERATE processing. The user ID (or job name) and communication ID are shown.

The user ID is the user's ET-ID. For users without an ET-ID, "ADAEND" is displayed as their user ID.

The field following UID= is the last 8 bytes of the 28-byte communication ID of the user in hexadecimal format; that is, the terminal ID for an online user or a STCK time stamp for a batch or TSO user.

**Action:** None required. This is an information message only. The transaction status of the specified users may need to be checked.

**ADAN4A      TRANS ET-SYNC point**

**Explanation:** ET-SYNC has occurred for the TRANSACTIONS SUSPEND process. This message is followed by the ADAN4E message.

**ADAN4B      TRANS SUSPEND started TT=time-limit**

**Explanation:** All verifications in the nucleus are complete and the SUSPEND process has started. TT indicates when the transactions will time out. The TT value is derived either from the TTSYN parameter in the ADADBS TRANSACTIONS SUSPEND TTSYN=nn job or the nucleus default ADARUN TT setting.

**ADAN4C      Transactions TT rejected**

**Explanation:** TPC is in effect and there are transactions on PET status. This is followed by the ADAN4B message displaying the original TT value.

**ADAN4D      TRANS TIMER elapsed**

**Explanation:** The timer specified by TRESUME in the ADADBS TRANSACTIONS SUSPEND process has been exceeded. The database returns to normal processing. This message is followed by the ADAN4F message.

**ADAN4E      Updates stopped. TRESUME=time-limit**

**Explanation:** ET-SYNC has occurred for the SUSPEND function and updates are discontinued until either the RESUME function is issued or the timer specified by TRESUME expires.

**ADAN4F      Normal processing resumes**

**Explanation:** The database once again accepts and processes update commands as a result of either the RESUME function or a timeout.

**ADAN50      Excluded files: file1 ...**

**Explanation:** This message documents the files that were excluded from autorestart due to the ADARUN AREXCLUDE parameter. These files remain unavailable for normal users and must be recovered (restore - regenerate).

**ADAN51      { oper. | aos-user- } typein: command**

**Explanation:** Adabas repeats the operator command "command" before continuing. The second message is written for an operator command issued by an Adabas Online System user.

**ADAN52**      **Partially inverted descriptor { present | released } DESCRIPTOR=descriptor, FILE=fnr**

**Explanation:** During session start, the nucleus detected the specified descriptor of the file 'fnr' left over from an incomplete online invert operation. If the previous session terminated abnormally, the nucleus automatically releases the incomplete descriptor.

**Action:** If the nucleus did not release the descriptor and no regenerate on the file in question is to follow, release the incomplete descriptor using the AOS or ADADBS RELEASE function.

**ADAN53**      **DBID waiting to serialize (rrrddddd)**

**Explanation:** The nucleus is trying to perform an action that only one nucleus or utility can do at a time. Another nucleus or utility is performing a similar action at the moment, so this nucleus must wait. 'rrrddddd' identifies the logical resource used for serialization. The resource name comprises three letters followed by five digits representing the database ID. Possible resource names include:

- SSEddddd for serializing nucleus session start and end.
- DIBddddd for serializing DIB updates.
- FSTddddd for serializing FST updates.

**Action:** None required. This message is for information only.

If the nucleus hangs after displaying this message, another nucleus or utility is blocking the logical resource specified in the message. Identify the other job and either allow it to continue or terminate it.

**ADAN54**      **DBID global serialization error (rrrrrrrr)**

**ADAN54**      **DBID IOR FUNCTION = x'ff', RESPONSE = x'cc'**

**Explanation:** An attempt to lock or unlock a logical resource failed. The ADAIOR function number was 'ff' (in hexadecimal), its response code 'cc' (in hexadecimal). Depending on the circumstances, the nucleus terminates abnormally or ignores the error.

**Action:** This is an unexpected error. Contact your Software AG technical support representative.

**ADAN55**      **Recovery data found on work dataset(s)**

**Explanation:** During session start (or, with Adabas nucleus clusters, during online recovery), the Adabas nucleus found recovery data on the Work dataset (or Work datasets, in the case of nucleus clusters) that is needed to recover the database from a previous failure. The nucleus performs session autorestart logic.

**ADAN56**      **Backward repair done**

**ADAN56**      **Forward repair done**

**ADAN56**      **Autobackout done**

**Explanation:** These messages are printed in series when different phases of the session autorestart have been completed successfully. Session autorestart repairs physical inconsistencies in the database, redoing updates belonging to completed transactions and backing out updates belonging to incomplete transactions.

**ADAN57**      *dbid date time* **WK4 (DTP) GETMAIN FAILED**

**ADAN57**      *dbid date time* **WK4-AREA (DTP) TOO SMALL**

**ADAN57**      *dbid date time*  
**WORK4-INDEX TOO SMALL**  
**INCREASE THE LDTP-PARM AND RERUN**  
**DTP=RM NUCLEUS: GETMAIN FAILED**  
**INCREASE THE REGION SIZE AND RERUN**

**Explanation:** Various message texts can appear for this message number. The explanation and action for each is given in the following table.

Message Text	Explanation	Action
<i>dbid date time</i> WK4 (DTP) GETMAIN FAILED	A nucleus with support for distributed transaction processing (DTP=RM) was performing the session autorestart after an abnormal termination. The nucleus was trying to allocate virtual storage for the processing of transactions for which the preliminary ET (PET) but not the final ET (FET) had been given. The storage allocation request failed, probably due to insufficient virtual storage being available to the nucleus address space.	Increase the region size, or decrease the size of a large pool (such as the buffer pool -- LBP), and restart the nucleus.
<i>dbid date time</i> WK4-AREA (DTP) TOO SMALL	A nucleus with support for distributed transaction processing (DTP=RM) was performing the session autorestart after an abnormal termination. The nucleus was trying to copy transactions to Work part 4 for which the preliminary ET (PET) but not the final ET (FET) had been given. Work part 4 was too small to keep the protection data for all these transactions.	Increase the LDTP parameter and restart the nucleus.
<i>dbid date time</i> WORK4-INDEX TOO SMALL INCREASE THE LDTP-PARM AND RERUN DTP=RM NUCLEUS: GETMAIN FAILED INCREASE THE REGION SIZE AND RERUN	An error occurred during nucleus startup at the time of DDWORKR4 interpretation.  <b>Note:</b> DDWORKR4 must be interpreted before the system autorestart is done.	Adjust the startup JCL as requested in the message so DDWORKR4 is interpreted before the system autorestart and rerun the job.

**ADAN58**      **Buffer-flush start record detected during autorestart. The nucleus will terminate after autorestart. In case of power failure, the database might be inconsistent because of partially written blocks. Only in this case, repair the database by restore and regenerate; Otherwise restart the nucleus.**

**Explanation:** An autorestart operation found that a buffer flush was being performed when the action that caused the autorestart occurred; the buffer flush was therefore incomplete. The nucleus completes autorestart processing before terminating.

- If the cause of the autorestart was a power failure, the database may be inconsistent in a way that cannot be repaired by autorestart.
- If the cause of the autorestart was not a power failure, the database has already been made consistent and needs only to be restarted.

**Action:** If a power failure caused the autorestart and your storage subsystem does not guarantee that no block is partially written, perform the following utility operations to ensure database consistency:

- ADASAV RESTORE (database)
- ADARES REGENERATE

If your storage subsystem technology does guarantee that no block is partially written, even in the case of power failure, there is no need to restore/regenerate after this message is received: simply restart the nucleus.

You may restrict the RESTORE - REGENERATE to the files modified by autorestart (see the ADAN5A message) but be sure to run the REGENERATE FILE with transaction logic (autobackout at the end of the regenerate) by specifying the ADARES parameter CONTINUE.

If the autorestart operation was not caused by a power failure, do not perform the utility operations described above. Simply restart the nucleus.

**ADAN59**      **Abend UCODE at address [= module+offset]**

**ADAN59**      **register-00 register-01 register-02 register-03 (r0-r3)**

**ADAN59**      **register-04 register-05 register-06 register-07 (r4-r7)**

**ADAN59**      **register-08 register-09 register-10 register-11 (r8-rb)**

**ADAN59**      **register-12 register-13 register-14 register-15 (rc-rf)**

**Explanation:** An internal error occurred that caused the nucleus to terminate abnormally. The message shows the abend code and the address, if possible also the module and offset, where the error was detected, as well as the contents of the general registers at that time.

**Action:** Contact your Software AG technical support representative.

**ADAN5A**      **Files modified during autorestart: { none | file-list }**

**Explanation:** During nucleus startup, an autorestart was performed that modified the files listed in the message text.

**ADAN60**      **ARM ELEMENT element-name SUCCESSFULLY REGISTERED/DEREGISTERED**

**Explanation:** The ARMELEMENTNAME parameter has been specified and the nucleus has successfully registered or deregistered this element with the Automatic Restart Manager (ARM).

**ADAN61**      **ARM REGISTERING /DEREGISTERING FAILED**

**ADAN61**      **ARM REASON CODE=X"xxxx"**

**Explanation:** The ARMELEMENTNAME parameter has been specified, but registering or deregistering with the Automatic Restart Manager (ARM) has failed. ARM has returned the reason code shown. The possible reason codes are described in the IBM manual *MVS Programming: Sysplex Services Reference*, Chapter IXCARM Macro, Section Return and Reason Codes. Common reason codes include:

- X'002C' The ARMELEMENTNAME parameter value is invalid.
- X'013C' The Adabas nucleus has improper SAF authorization to register with ARM.
- X'0150' ARMELEMENTNAME is not unique across the sysplex.
- X'0004' The system does not support ARM.

The nucleus ignores the error and continues processing.

**Action:** Look up the meaning of the reason code. If this explains the error, correct it. Otherwise, contact your systems programmer or your Software AG technical support representative.

**ADAN62** FNR=fnr A= U= ID= CA= CU=

**Explanation:** This message is displayed in response to the DNFV operator command.

- "FNR" gives the file number
- "A" can be either "Y", indicating that the file is being used by access-only users, or blank, indicating that it is not being used by access-only users.
- "U" is used in the same way as for "A", but indicates usage by update users.
- "ID" is the ID of the database which has exclusive control over the file
- "CA" is the count of how many access-only users are using the file.
- "CU" is the count of how many update users are using the file.

**ADAN65** TSP subsystem (nn) name has abended

**Explanation:** The triggers and stored procedures facility has been activated for the current session. However, subsystem number "nn", batch Natural nucleus "name", terminated abnormally and will not restart.

**Action:** Determine the cause of the abend and correct the problem.

**ADAN70** Retry to switch PLOG/CLOG

**Explanation:** The nucleus is retrying the attempt to switch PLOGs or CLOGs. The retry is performed when the FEOFPL/CL attempt is made and there is currently no free PLOG or CLOG.

**Action:** Submit an ADARES PLCOPY or CLCOPY to copy the appropriate datasets.

**ADAN76** I/O-error { ASSO | DATA | WORK } RABN=rabn-number

**Explanation:** The Adabas nucleus detected an internal I/O error.

**Action:** Contact your Software AG technical support representative.

**ADAN77** Security violation. USER=user-id JOBNAME+-=job-name ETID=et-id

**Explanation:** User "user-id" attempted to use a file for which that user is not authorized. The active job is "job-name".

**Action:** Refer to the command log entry for the failed command to determine if any corrective action is needed.

**ADAN78**      **Function extent**

**ADAN78**      **Nucleus terminated after { ASSO | DATA } function**

**Explanation:** The function INCREASE or ADD for an Associator or Data Storage extent has been performed by the nucleus. The nucleus terminates and permits the newly added part of the Associator to be allocated and formatted, which is necessary before another Adabas session can be started and the new extent can be used.

**Action:** Perform the necessary allocation/reformatting utility operations, and then restart the nucleus.

**ADAN79**      **I/O - e r r o r during asynchronous buffer flush ADAIOR-RESP = hex- resp the nucleus terminates with dump**

**Explanation:** An I/O error occurred during asynchronous buffer flush operation. The nucleus ends operation.

**Action:** Correct the cause of the I/O error.

**ADAN7A**      **ECS error *error-code* in function *ecs-function***

**Explanation:** ECS is the Entire Conversion Services, a subsystem of the Adabas universal encoding support (UES) system. This message is written after a function of the subsystem has failed.

Error codes produced by the ECS component are described in *Universal Encoding System (UES) Component Error Codes*.

The following ECS functions may return errors:

<b>ECS Function</b>	<b>Description</b>
ECS LOAD	An error loading ECS. Check that the ECS load module is in the Adabas load library.
COX LOAD	An error loading ADACOX, which is loaded if the database is UES-enabled. ADACOX is the Adabas conversion exit for special conversions.
APS INIT	An error occurred during APS (POSIX Services) initialization. Verify that the APS library is in the load library concatenation and/or that the APS parameters are specified in SYSPARM.
SLIBLOAD	An error loading SAGECS, SAGOVO, or SAGSMP2. Check that these modules from the Software AG base technology (BTE) library can be found in the load library concatenation.
DDEC SOJ	An error occurred during initialization while reading ECS standard conversion objects. Check that the nonexecutable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL.
GETHANDLE <i>nnnn</i>	An error occurred reading the ECS encoding descriptor object EDDnnnn. Check that the nonexecutable binary ECS conversion object library is specified in the DDEC SOJ DD statement of the JCL. Check that EDDnnnn is contained in the library. If it is not, then either an invalid number was specified or the object is missing and must be added.
GETHANDLE <i>mmmm/nnnn</i>	See the GETHANDLE <i>nnnn</i> explanation. In this case, an ECS plane table object (PTO) is missing Txxx2yyy where xxx or yyy are the hexadecimal value of the decimal <i>mmmm</i> or <i>nnnn</i> , respectively. For some conversion combinations, it may be necessary to request additional PTOs from your Software AG support representative.

**Action:** Resolve the problem and try again.

**ADAN7C      Entire conversion services v.r.s initialized**

**Explanation:** The specified version of Entire Conversion Services was successfully initialized.

**ADAN7D      Collation exit nn initialized**

**Explanation:** The specified collation descriptor user exit was successfully initialized.

**ADAN80      ADABAS dynamic caching environment established**

**Explanation:** Adabas Caching Facility was successfully initialized.

**ADAN80      ADABAS dynamic caching virtual 64 environment available**

**Explanation:** Adabas Caching Facility determined that 64-bit virtual storage is available for use.

**ADAN80      ADACSH active for work part 2 and work part 3 only**

**Explanation:** In an Adabas nucleus cluster environment prior to version 7.2, caching is available only for Work parts 2 and 3.

**ADAN81      W a r n i n g: not all blocks of the DB are allocated and formatted - run ADAREP to check the DB's size**

**Explanation:** The highest RABN of an ASSO or DATA extent, as defined in the GCB, is not readable. Most likely, an Adabas Online System or ADADBS INCREASE function was performed without allocating and formatting the new database area. The nucleus continues. Any attempt to access an unallocated area of the database causes an I/O error.

**Action:** Ensure that the defined extents are completely allocated and formatted.

**ADAN81      No statistics available for file file-number file not used**

**Explanation:** An attempt was made to change cache space parameters for a file without first deleting its existing cache space.

**Action:** Delete the existing cache space for the file; then add a new cache space with the changed parameters.

**ADAN81      (see explanation below)**

**Explanation:** This message displays the output of the CSTAT, CFSTAT, and CSUM operator commands of the Adabas Caching Facility. See the Adabas Caching Facility documentation for more information.

The CSTAT command is used to display the current cache space statistics. A sample report display is shown below:

```

+-----+
+ 005 DATA SPACE, DATA, RABNS 81 THRU 135      +
+-----+
+ ALLOCATED, LA=17:04:26                          +
+-----+
+          253 CACHE WRITES +          47 BLKS IN CACHE +
+          47 READ EXCPS   +        172,032 DATA SPC SIZE +
+          408 CACHE READS +          55 BLKS/DATA SPC +
+          455 TOTAL READS +         1320 INDXSPCE SIZE +
+          89.6 DSP EFFICIENCY+        167,936 MAX DSP USED +
+    0.071810 MAX NIOT (SEC)+    0.698682 MAX EXCPT(SEC)+
+    0.000080 MIN NIOT (SEC)+    0.009600 MIN EXCPT(SEC)+
+    0.000245 AVE NIOT (SEC)+    0.167286 AVE EXCPT(SEC)+
+-----+
    
```

The CFSTAT command is used for file-level caching to display the current cache space statistics for one or more files. When file-level caching is active, a report is produced for each RABN range associated with the file request. A sample report display is shown below:

```

+-----+
+ FNR 00001 AC CL1 EXT RABNS 91 THRU 93          +
+-----+
+ ALLOCATED, LA=09:55:36                          +
+-----+
+          60 CACHE WRITES +           0 BLKS IN CACHE +
+           2 READ EXCPS   +    32,767,404 EXTM  SIZE +
+          52 CACHE READS +         16,351 BLKS/EXTM +
+          54 TOTAL READS +           28 RABN TAB SIZE +
+          96.2 ESP EFFICIENCY+         4,008 MAX ESP USED +
+    0.001503 MAX NIOT (SEC)+    0.092800 MAX EXCPT(SEC)+
+    0.000018 MIN NIOT (SEC)+    0.092071 MIN EXCPT(SEC)+
+    0.000062 AVE NIOT (SEC)+    0.092435 AVE EXCPT(SEC)+
+-----+
    
```

The CSUM command is used to display, for a session, the accumulated cache summary for all active and inactive cache spaces, including statistics from previously deleted cache spaces. A sample report display is shown below:

```

+-----+
+ A D A B A S DYNAMIC CACHING SESSION SUMMARY    +
+          52.5 CURRENT ADABAS BUFFER EFFICIENCY +
+          7.2 PROJECTED NON-CACHE BUFFER EFFICIENCY +
+           3 ACTIVE CACHE SPACES                 +
+           4 CACHE SPACES DEFINED                +
+-----ASSO-----DATA-----WORK-----+
+ CACHE WRITES          27,367          6,674          212 +
+ READ EXCPS              78            444              0 +
+ CACHE READS           27,288          6,203          4,865 +
+ TOTAL READS           27,366          6,647          4,865 +
+ EFFICIENCY             99.7            93.3            100.0 +
+-----+
    
```

**ADAN82**      **Status s w i t c h**

**ADAN82**      **r e a d o n l y = { y e s | n o }**

**Explanation:** The READONLY status of the nucleus has been switched. This message occurs as a response to the operator command or Adabas Online System function READONLY.

**ADAN83**      **status s w i t c h**

**ADAN83**      **u t i o n l y = { y e s | n o }**

**Explanation:** The "utility use only" (UTIONLY) status of the nucleus has been switched. This message occurs as a response to the operator command or Adabas Online System function UTIONLY.

**ADAN84**      **LP parameter has been increased, additional**

**ADAN84**      **Protection area blocks are being formatted.**

**Explanation:** The ADARUN LP parameter was increased in the current Adabas session. Therefore, additional Work part 1 RABNs had to be formatted.

**Action:** None required. Consider increasing the Work dataset to ensure that sufficient Work part 3 space is available.

**ADAN85**      **Work part 4 problem detected during start-up**

**ADAN85**      *dbid date time D T P = R M*  
**INITIALISATION PROBLEMS:**

**Explanation:** Various message texts can appear for this message number. The explanation and action for each is given in the following table.

<b>Message Text</b>	<b>Explanation</b>
Work part 4 problem detected during start-up	During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a problem was detected with Work part 4. This message is following by ADAN86.
<i>dbid date time D T P = R M</i> INITIALISATION PROBLEMS:	A problem was detected during DDWORKR4 interpretation.

**Action:** Examine error ADAN86 for the cause of the error.

ADAN86 WK4 I/O error was detected  
{ rabn=\_\_ ior-resp=\_\_ | resp-code=\_\_ subcode=\_\_ }

ADAN86 *dbid* GETMAIN (TBWK4) FAILED

ADAN86 *dbid* FILE-LIST POOL TOO SMALL

ADAN86 *dbid* USER-QUEUE TOO SMALL

ADAN86 *dbid* PHYSICAL-WORKR4-NAME UNEQUAL  
IN THE CLUSTER

ADAN86 *dbid* NUCLEUS RESPONSE CODE DETECTED:  
RESP-CODE=*rc* , SUBCODE=*sc*

ADAN86 *dbid* WORK4 SIZE IS DIFF. TO LAST SESSION  
BUT/AND IGNDTP NOT DEFINED

ADAN86 *dbid* WORK4 I/O-ERROR:  
RABN=*rabn* IOR-RESP=*resp*

ADAN86 *dbid*GCB CONTAINS WORK4 DEFINITION  
BUT: DTP=NO, IGNDTP=NO

ADAN86 *dbid*PARAMETER CONFLICT  
- MODE=SINGLE BUT LAST SESSION RUN WITH DTP=RM  
- DTP=NO BUT WORKR4 DEFINED

**Explanation:** Various message texts can appear for this message number. The explanation and action for each is given in the following table.

Message Text	Explanation	Action
WK4 I/O error was detected { rabn=__ ior-resp=__   resp-code=__ subcode=__ }	During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a Work part 4 I/O error was detected. This message follows ADAN85 and indicates either the RABN location and ADAIOR response code of the error or the nucleus response code and subcode of the error.	Determine the cause of the error, correct it, and rerun the job.
<i>dbid</i> GETMAIN (TBWK4) FAILED	If DTP=RM is specified, an additional GETMAIN is needed to allocate the tables used by a DTM=RM nucleus.	Increase the GETMAIN and rerun the job.
<i>dbid</i> FILE-LIST POOL TOO SMALL	The UQEFLIST_POOL, an extension of the user queue, is too small to receive all file definitions found on DDWORKR4.	Increase the number of user queue elements using the ADARUN NU parameter and rerun the job.
<i>dbid</i> USER-QUEUE TOO SMALL	The user queue is too small to receive all user queue elements found on DDWORKR4.	Increase the number of user queue elements using the ADARUN NU parameter and rerun the job.
<i>dbid</i> PHYSICAL-WORKR4-NAME UNEQUAL IN THE CLUSTER	The DDWORKR4 dataset is a container file. All nuclei in a cluster must use the same DDWORKR4 dataset. A subsequently started nucleus used an invalid DD statement. The nucleus will not come up.	Correct the DD statement and rerun the job.
<i>dbid</i> NUCLEUS RESPONSE CODE DETECTED: RESP-CODE= <i>rc</i> , SUBCODE= <i>sc</i>	A nucleus response code was detected. The nucleus will go down.	Determine the cause of the error, correct it, and rerun the job.
<i>dbid</i> WORK4 SIZE IS DIFF. TO LAST SESSION BUT/AND IGNDTP NOT DEFINED	The DDWORKR4 dataset size is unequal to the size of the last session, but the dataset is not empty.	Correct the DDWORKR4 DD statement and rerun the job.
<i>dbid</i> WORK4 I/O-ERROR: RABN= <i>rabn</i> IOR-RESP= <i>resp</i>	The nucleus will go down.	Determine the cause of the error, correct it, and rerun the job.
<i>dbid</i> GCB CONTAINS WORK4 DEFINITION BUT: DTP=NO, IGNDTP=NO	The nucleus will not come up.	Determine the cause of the error, correct it, and rerun the job.
<i>dbid</i> PARAMETER CONFLICT - MODE=SINGLE BUT LAST SESSION RUN WITH DTP=RM - DTP=NO BUT WORKR4 DEFINED	A parameter conflict exists, as described in the message text.	Correct the parameter conflict and rerun the job.

**Action:** User actions are given in the explanation.

**ADAN87**      **WK4 area too small**  
**The nucleus will terminate**  
**Increase LDTP parm and rerun**

**ADAN87**      *dbid date time* **DDWORK4 TOO SMALL**  
**THE NUCLEUS WILL T E R M I N A T E.**  
**RERUN WITH A BIGGER DATASET-SIZE.**

**Explanation:** Various message texts can appear for this message number. The explanation and action for each is given in the following table.

<b>Message Text</b>	<b>Explanation</b>	<b>Action</b>
WK4 area too small The nucleus will terminate Increase LDTP parm and rerun	During startup of a nucleus defined with DTP=RM when it is necessary to copy partially completed transactions or during an ADARES REGENERATE for all files, insufficient space was available in Work part 4 to reestablish the previous environment.  Because the nucleus cannot reestablish the previous environment and cannot terminate the incomplete transaction(s) heuristically, it terminates.	Increase the size of the Work part 4 area using the ADARUN LDTP parameter and rerun the job.
<i>dbid date time</i> DDWORK4 TOO SMALL THE NUCLEUS WILL T E R M I N A T E. RERUN WITH A BIGGER DATASET-SIZE.	A utility with exclusive database control is running. The nucleus will terminate with this message, followed by the U019 abend dump.	Increase the size of DDWORKR4 and rerun the job.

**Action:** User actions are given in the explanation.

**ADAN88** (rm=yes) abend

**ADAN88** *dbid date time* (DTP=RM) ABEND

**Explanation:** During initialization of a nucleus defined with DTP=RM, a logic error was detected while executing DTP functions.

The nucleus terminates abnormally with abend 19. The registers at entry to the abend and the load addresses of ADANC0-ADANCB are printed.

**Action:** Contact your local Software AG technical support representative.

**ADAN89** *dbid date time* DTP SUPPORT  
WORKR4 OPEN ERROR  
WORKR4 I/O-ERROR: RABN=*rabn*  
WORKR4 CLOSE-ERROR

**ADAN89** *dbid*WORK4 DATASET IS OPENED  
WORK4 DATASET IS CLOSED  
WORK4-READS : *count*  
WORK4-WRITES: *count*

**ADAN89** *dbid*PET-USER-INDEX REWRITTEN

**ADAN89** *dbid date time*DTP-DATABASE:  
HEURI. TERMINATED USER IS MOVED:  
USER-ID

**Explanation:** Various message texts can appear for this message number. The explanation and action for each is given in the following table.

Message Text	Explanation	Action
<i>dbid date time</i> DTP SUPPORT WORKR4 OPEN ERROR WORKR4 I/O-ERROR: RABN= <i>rabn</i> WORKR4 CLOSE-ERROR	An I/O error occurred for the DDWORKR4 dataset.	Check the DDWORKR4 dataset or the nucleus JCL definition for DDWORKR4 to identify the problem. Then fix the problem and rerun the job.
<i>dbid</i> WORKR4 DATASET IS OPENED WORKR4 DATASET IS CLOSED WORKR4-READS : <i>count</i> WORKR4-WRITES: <i>count</i>	This message lists statistics about the use of the DDWORKR4 dataset.	No action is required for this informational message.
<i>dbid</i> PET-USER-INDEX REWRITTEN	This message provides status information only.	No action is required for this informational message.
<i>dbid date time</i> DTP-DATABASE: HEURI. TERMINATED USER IS MOVED: USER-ID	A LOCAL HALT or LOCAL ADAEND request must move the HEURI users to the next available Adabas nucleus. The cluster must not lose knowledge of those users.	No action is required for this informational message.

**Action:** User actions are given in the explanation.

#### ADAN8A file already being cached

**Explanation:** The file specified for caching is already being cached by Adabas Caching Facility. This error can occur if you use operator or Adabas Online System commands in an attempt to define different types of memory to cache Associator and Data Storage RABNs of the same file.

**Action:** It is possible at startup using ADARUN CFILE parameters to specify different types of memory to cache Associator and Data Storage RABNs of the same file. However, once a memory type is set for caching any RABNs of a file, Adabas Online System and operator commands do not allow you to specify any other memory type for the same file. If you want to change the memory type for the file, you must delete the existing cache space and then add a new one with different parameters.

**ADAN8C      Memory allocation failure or insufficient space available**

**Explanation:** ADACSH could not acquire space for its working areas. Adabas Caching Facility is not started and the associated message ADAN8H is displayed.

**Action:** Increase the region, partition, or address space size.

**ADAN8D      zzz (aaaa) cache active**

**Explanation:** A RABN range has been activated. This generally occurs when Adabas writes a RABN from its buffer pool to cache storage.

zzz	type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
aaaa	type of RABN range storage (ASSO, DATA or WORK)

**ADAN8E      { track | hiperspace } I/O buffer allocation failure****ADAN8E      CSP (ASSO) RABNINDEX allocation failure**

**Explanation:** Adabas Caching Facility could not allocate storage for the track or hiperspace I/O buffer, or for RABNINDEX blocks. When the track I/O buffer is not available, a RABN I/O request being considered for read-ahead caching is issued normally. When the hiperspace I/O buffer is not available, caching using hiperspaces is not possible. When the RABNINDEXes for a cache space area are not available, the attempt to allocate the associated cache space area fails and is not attempted again until at least CRETRY seconds have elapsed.

**Action:** Increase the region, partition, or address space size.

**ADAN8H      ADABAS dynamic caching is -not- in service**

**Explanation:** Adabas Caching Facility was not activated due to a previous parameter specification or error condition.

**ADAN8J      CSP nnn (aaaa) released due to parallel utility operation****xxx BLKS released due to parallel utility on FNR y**

**Explanation:** Depending on the utility, Adabas Caching Facility acted to maintain database integrity by releasing an entire cache space or a number of cache blocks because of a parallel utility operation.

nnn	cache space number
aaaa	type: ASSO, DATA or WORK
xxx	number of blocks released
y	the file that owned the released blocks

**ADAN8K      zzz (aaaa) released after exceeding non-activity time limit**

**Explanation:** A cache storage area was released after it was inactive for a continuous elapsed time period of CCTIMEOUT seconds.

zzz	type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
aaaa	type: ASSO, DATA or WORK.

**ADAN8L      zzz nnnnn (aaaa) active, RABNS xxx thru yyy**

**Explanation:** This message is displayed whenever a RABN range is activated. This generally occurs when Adabas writes a RABN from its buffer pool to cache storage.

zzz	type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
nnnnn	file number when "zzz" is FNR; otherwise, the RABN range ID
aaaa	type of RABN range storage (ASSO, DATA or WORK)
xxx,yyy	from, through RABN range

**ADAN8M      zzz (aaaa) size extended to yyy bytes**

**ADAN8M      zzz (aaaa) extension failed**

**Explanation:** An attempt was made to add an additional cache storage area for a cache space.

zzz	type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
aaaa	type of cache space area storage (ASSO, DATA or WORK)
yyy	size of new area, in bytes

When the request is successful, the additional storage is available for the cache space and "yyy" reflects the size of the new area which is equal to the current CASSOMAXS or CDATAMAXS setting.

If unsuccessful, the system simply uses the storage areas already allocated for the cache space until CRETRY seconds pass. Then another attempt is made to add a new storage area for the cache space if this is still required.

**Action:** Check with the system programmer; the extension failure may be due to insufficient ESA capabilities (memory or page datasets), or too many data spaces or hiperspaces allocated at one time.

**ADAN8O      AOS operator command: xxxxx**

**Explanation:** An Adabas Online System (AOS) operator issued a command to change one of the Adabas Caching Facility system parameters.

xxxxx	Change as follows: CASSOMAXS=new size CDATAMAXS=new size CCTIMEOUT=new value CDISPSTAT=YES/NO CRETRY=new value CBUFNO=new value CEXCLUDE=exclude list CINCLUDE=include list
-------	---

**ADAN8P      zzz nnnnn (aaaa) disabled after exceeding non-activity time limit**

**Explanation:** Demand caching is in effect and a RABN range or file has been inactive for a period longer than the CCTIMEOUT specification.

zzz	type of RABN range (DSP for data space, ESP for extended memory, HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
nnnnn	file number when "zzz" is FNR; otherwise, the RABN range ID
aaaa	type of RABN range storage (ASSO only, DATA only, WORK, or BOTH if both ASSO and DATA are cached for the file)

**ADAN8Q      Hiperspace READ/WRITE error. RETCODE = nn**

**Explanation:** An error occurred during the processing of a hiperspace cache request.

nn	the system return code from the request
----	---

Generally speaking, this error causes a request to write to or read from a hiperspace cache to fail. In most cases, the system can continue by reading the RABN from disk or writing, ignoring the request from the nucleus.

However, where Work parts 1 or 2 are being cached 100%, the failure of a request to return a cached RABN may have more serious consequences because there is no copy of the RABN on disk and therefore the I/O cannot be satisfied.

**Action:** Determine if the error was caused by some event or problem in the system that could impact on hiperspaces used by Adabas Caching Facility. If there is nothing evident, report the error and the circumstances surrounding the error to your Software AG technical support representative.

**ADAN8R      Insufficient storage for xxxx**

**Explanation:** An attempt to allocate dynamic storage in extended memory failed due to a shortage of space in extended memory.

xxxx	one of the following that the storage was intended for:	
	File table	table of file control block entries
	File control block	required for file caching
	RABN extent bock	required to define one RABN extent
	RABN table	required to describe RABNs cached
	RABN table expansion	required when file becomes larger

**Action:** Review your storage estimates to insure that there is sufficient storage available for the parameters specified.

**ADAN8R      Hiperspace WRITE error. RETCODE = nn**

**Explanation:** The write to hiperspace operation returned a nonzero condition code. The requested RABN is not written to hiperspace and is flagged as unused.

**Action:** No operator intervention is required.

**ADAN8S**      **zzz (aaaa) allocate failed. RETCODE = nn**

**Explanation:** An attempt to allocate the first storage block for a cache area failed.

zzz	type of cache space area (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64)
aaaa	type of cache space area storage (ASSO, DATA, or WORK)
nn	return code from the system function used to allocate the storage.

No storage is available for caching the RABNs for which the cache storage allocation was attempted. The situation continues at least until CRETRY seconds have elapsed and another attempt to allocate the storage is made, if required.

**Action:** Check with the system programmer; the allocation failure may be due to insufficient memory or page datasets or too many data spaces and/or hiperspaces allocated at one time.

**ADAN8T**      **zzz nnnnn (aaaa) xxxx by yyyy command**

**ADAN8T**      **zzz nnnnn (aaaa) not xxxx due to conflicts**

**Explanation:** An operator command was received and was either successfully completed or not.

zzz	type of RABN range (DSP for data space, ESP for extended memory, HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
nnnnn	file number when "zzz" is FNR; otherwise, the RABN range ID
aaaa	type of RABN range storage (ASSO only, DATA only, WORK, or BOTH if both ASSO and DATA are cached for the file)
xxxx	operation requested by command. Valid values are:  ADDED            CASSOxxx, CDATAxxx, or CFILE command CHANGED        CCHANGE command DELETED        CDELETE command DISABLED        CDISABLE command ENABLED        CENABLE command
yyyy	the command requesting operation xxxx was issued by either  AOS OPER            an Adabas Online System user; or OPERATOR            the operator.

**Action:** If the command was unsuccessful, check DDPRINT for warning messages to determine why the command failed. Alternately, insure that the syntax used for the command is correct.

**ADAN8U**      **zzz nnnnn (aaaa) enabled on demand**

**Explanation:** This message is displayed for each inactive RABN range or file that is enabled when the Adabas buffer efficiency drops below the specified CDEMAND threshold level.

zzz	type of RABN range (DSP for data space; ESP for extended memory; HSP for hiperspace; V64 for virtual 64; or FNR for file-related)
nnnnn	file number when "zzz" is FNR; otherwise, the RABN range ID
aaaa	type of RABN range storage (ASSO only, DATA only, WORK, or BOTH if both ASSO and DATA are cached for the file)

**ADAN8V parameter list**

**Explanation:** This message is displayed in response to the CPARM operator command. The parameters displayed are:

CASSOMAXS	maximum ASSO cache space size
CDATAMAXS	maximum DATA cache space size
CDISPSTAT	display to console option
CDEMAND	Adabas buffer efficiency threshold
CMAXCSPS	maximum number of cache spaces
CRETRY	retry time interval
CCTIMEOUT	non-activity time limit
CWORKSTORAGE	Work parts 2 and 3 cache type
CWORK2FAC	Work part 2 cache space factor
CWORK3FAC	Work part 3 cache space factor

**ADAN8W FNR nnnnn (aaaa) synchronized**

**Explanation:** When Adabas Caching Facility first accesses a RABN belonging to a file to be cached, it learns about the extents and RABNs associated with the file and synchronizes its view of the file with the file's FCB.

If ADASCR detects that the structure of the file has changed (e.g., a new extent is added), ADASCR resynchronizes its view of the file at the next possible opportunity and issues this message.

nnnnn	file number
aaaa	what is being cached for the file (ASSO only, DATA only, or BOTH if both ASSO and DATA are being cached)

**ADAN8Y File-level caching initialized**

**Explanation:** File-level caching is active for the current nucleus.

**ADAN8Z Logic error in ADACSH+xxxxxxxx**

**Explanation:** A logic error occurred during Adabas Caching Facility processing.

**Action:** Report the error and the hexadecimal offset to your Software AG technical support representative.

**ADAN90 TSP GETMAIN failed**

**Explanation:** The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

**Action:** Determine the source of the problem and correct it. Try increasing the region size for the MPM.

**ADAN91 TSP GETMAIN failed. Increase REG. size**

**Explanation:** The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

**Action:** Increase the region size for the MPM.

**ADAN92 TSP initialization completed**

**Explanation:** The triggers and stored procedures facility was initialized successfully. Commands for detecting triggers are now processed.

**ADAN92 TSP trigger refresh in progress**

**Explanation:** A request to refresh the trigger table buffer was made and the Adabas system is being quiesced in order to perform this function.

**ADAN93 TSP has been deactivated via AOS (SYSTRG)**

**Explanation:** The ADARUN parameter SPT=YES was specified; however, because the database administrator has overridden this using the Adabas triggers subsystem, triggers will not be activated.

**Action:** To reactivate triggers, access the Adabas triggers subsystem function "modify profile information" (located on the Miscellaneous Functions Menu), and change the triggers status field in the profile to "active".

**ADAN93 TSP cannot be run in single user mode**

**Explanation:** The Adabas nucleus has been started with SPT=YES and MODE=SINGLE. This is not allowed.

**Action:** Start the nucleus with MODE=MULTI in the ADARUN parameters (DDCARD), or specify SPT=NO.

**ADAN93 TSP incurred an internal error with cluster**

**Explanation:** During the start-up of the Adabas trigger driver, certain communication must occur with Adabas Parallel Services if it is active. The Adabas trigger driver was unable to complete the communication.

**Action:** After obtaining a dump, contact your Software AG technical support representative and report the error.

**ADAN93 TSP trigger refresh completed**

**Explanation:** The trigger table buffer was refreshed. The triggers have been reloaded and the Adabas nucleus will continue to run normally.

**ADAN93 TSP trigger refresh incurred an error**

**Explanation:** During the refresh of the trigger table buffer, an error occurred. This error was identified by a previous console message. The error causes an inconsistent state in the triggers subsystem that necessitates a shut-down as indicated in the error action option setting in the profile.

**Action:** Review previous console messages to determine the error. Correct it and, if necessary, restart the nucleus to restart the triggers subsystem.

**ADAN94 TSP unable to read the trigger file FDT**

**Explanation:** During the triggers initialization process, Adabas needs to read the trigger file FDT; however, the FDT could not be found. As a result, triggers will not be activated.

**Action:** Determine the reason why the FDT could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

**ADAN95 TSP unable to read the trigger file FCB**

**Explanation:** During the triggers initialization process, Adabas needs to read the trigger file FCB; however, the FCB could not be found. As a result, triggers will not be activated.

**Action:** Determine the reason why the FCB could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

**ADAN96 TSP incurred resp xxx reading triggers**

**Explanation:** During the triggers initialization process, Adabas needs to read the entries from the trigger file; however, a nonzero response code was received. As a result, triggers will not be activated.

**Action:** Determine the source of the problem; that is, analyze the response code and take the necessary action to resolve the problem.

**ADAN97 nucleus will terminate with U021 dump due to internal autorestart failure; CMD=command, FILE-NR=file-number, RSP=rsrcode**

**Explanation:** The nucleus terminates with a dump due to failure of the internal autorestart.

**ADAN98 TSP unable to find any trigger entries**

**Explanation:** During the triggers initialization process, Adabas needs to read the entries from the trigger file; however, no valid trigger entries were found in the file. As a result, triggers will not be activated.

**Action:** Verify that there are triggers defined on the trigger file and that the trigger file is set up correctly; that is, the file is loaded on the database where the error occurred.

**ADAN99 TSP unable to load all trigger entries**

**Explanation:** During the triggers initialization process, Adabas needs to load the entries from the trigger file into its buffer; however, the size calculated for the buffer is incorrect. The cause could be one of the following:

- triggers were added by some means other than the Adabas triggers subsystem, or
- the buffer size was not calculated or was specified incorrectly. As a result, triggers will not be activated.

**Action:** Recalculate the size required for the buffer. Issue the NUMBER or CHECK command from the Modify Profile screen to verify that the number is recorded correctly by Adabas Online System. Also check the buffer size specified in the "trigger table size" field in the Adabas triggers and stored procedures profile.

**ADAN99 TSP has ignored triggers gt file nnnnn**

**Explanation:** An attempt was made to process triggers that are assigned to file numbers greater than the maximum acceptable file number; that is, the highest loaded file plus 10.

**Action:** This message is a warning. Triggers should not be assigned to file numbers greater than the maximum file number allowed.

**ADAN9A TSP CNTL data missing on TRIG file ( nnnnn )**

**Explanation:** During the triggers initialization process, Adabas needs to read the profile definition from the trigger file; however, the profile definition could not be found. As a result, triggers will not be activated.

**Action:** Using the Adabas triggers subsystem, add a profile for the subsystem.

**ADAN9B TSP unable to read trigger control data**

**Explanation:** During the triggers initialization process, Adabas needs to read the profile definition from the trigger file. However, an internal error occurred during the read. As a result, triggers will not be activated.

**Action:** Determine the cause of the error and correct it using the Adabas triggers subsystem. Possibly modify the profile again to ensure that it is correct.

**ADAN9C TSP could not get work area. Check LWP**

**Explanation:** During the triggers initialization process, Adabas needs to acquire space for its buffer, but insufficient space was found. This can occur if the value specified for the LWP ADARUN parameter is too small. As a result, triggers will not be activated.

**Action:** Check the value specified for the LWP ADARUN parameter and increase it as appropriate.

**ADAN9D TSP no trigger file defined**

**Explanation:** The Adabas nucleus started with SPT=YES; however, no trigger file exists for this database. As a result, triggers will not be activated.

**Action:** Either set SPT=NO or load a trigger file that contains at least one trigger definition onto the database.

**ADAN9E TSP missing module for subsystem**

**Explanation:** During the triggers initialization process, Adabas needs to start the subsystems for the execution of procedures; however, the name specified was invalid. As a result, triggers has been deactivated.

**Action:** Check the batch Natural name setting in the Adabas triggers and stored procedures profile. Also ensure that the Natural nucleus module is concatenated in the JCS/JCL startup and is a loadable module.

**ADAN9F TSP terminated the nucleus due to errors**

**Explanation:** A serious or fatal error occurred that created an inconsistent state in the system. The nucleus has been shut down.

**Action:** Review previous console messages to determine the error. Correct it and restart the nucleus to restart the triggers subsystem.

**ADAN9F TSP has been deactivated due to errors**

**Explanation:** Triggers incurred one or more errors and has been deactivated. The error action taken depends on the error action setting in the Adabas triggers and stored procedures profile.

**Action:** Review previous console messages to determine the cause of the errors and correct the problem.

**ADAN9I TSP subsystem (nn) name has abended / SSF error return code code**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. The specified subsystem incurred an error and terminated abnormally. The Adabas trigger driver will try three times to restart it. A subsequent message will inform the user of the type of abend.

**Action:** Determine the cause and resolve the problem. The return code "code" given should provide additional information.

**ADAN9J TSP subsystem (nn) name shut down**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. Either a request was made to shut down the specified subsystem or three consecutive abends have occurred and the Adabas trigger driver has decided to deactivate the subsystem.

**Action:** Determine the cause and resolve the problem. The return code given should provide additional information.

**ADAN9K TSP subsystem (nn) name CQE timed out**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. During the processing of a trigger, it was detected that the originating command had timed out. The trigger will not be processed successfully.

**Action:** Retry the command.

**ADAN9K TSP subsystem (nn) name cancelled**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. The specified subsystem was cancelled when a timeout occurred for a procedure that was executing in the subsystem. The subsystem will be restarted. A previous message gives specifics about the cancellation.

**Action:** Determine the cause and resolve the problem. The reason code given should provide additional information.

**ADAN9K TSP subsystem ( nn ) name initialized**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. During the triggers initialization process, a specified number of Natural subsystems will be started for the execution of procedures. This message informs the user of the successful initialization of each subsystem.

**Action:** No action is required. The subsystem will wait for work.

**ADAN9K TSP requested: halt**

**Explanation:** The Error Action field in the Adabas triggers and stored procedures profile is set to "halt", and either a fatal error occurred or Adabas Online System requested a shut-down of the Adabas triggers subsystem.

**Action:** Review previous messages to determine whether a problem occurred and, if so, correct the problem.

**ADAN9L TSP timeout on PROC proc-name JOB job-name CMD yy FNR nnnnn  
FIELD-UID xxxxxxxxxxxxxxxxx**

**Explanation:** The Adabas trigger driver determined that a triggered procedure exceeded the specified time limit. The procedure was cancelled so that processing can continue with another procedure and queueing can be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

**Action:** Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

**ADAN9L TSP subsystem ( nn ) name shut down**

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. The shut-down of triggers has completed successfully. This message is shown for each subsystem.

**ADAN9L** \*stored procedure req \*\* UID xxxxxxxxxxxxxxxx

**Explanation:** The Adabas trigger driver determined that a particular stored procedure exceeded the specified time limit. The procedure has been cancelled so that processing may continue with another procedure and queuing may be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

**Action:** Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

**ADAN9M** TSP waiting on UID user-id

**Explanation:** Triggers is shutting down and must queue the subsystems. However, a procedure is still running. The user ID (UID) is provided to help the database administrator investigate a potential problem.

**Action:** No action is necessary. However, the database administrator may not want the Adabas trigger driver to wait; therefore, the user's procedure may be stopped.

**ADAN9N** TSP subsystem (nn) name cancelled

**Explanation:** "nn" is the unique number and "name" is the name of the Natural nucleus subsystem. Subsequent to ADAN9N, the Adabas trigger driver decided not to wait for the specified subsystem to complete processing; therefore, the subsystem was cancelled.

**Action:** This message is for information only. No action is required.

**ADAN9O** TSP subsystem shutdown in progress

**Explanation:** Either the nucleus is terminating (ADAEND or HALT) or the triggers and stored procedures facility has requested a halt, probably due to an error, and the Adabas trigger driver has also been requested to shut down.

**Action:** No action is required. The user is informed that this is in progress.

**ADANA1** SMGT display active DUMP= { on | off }

**Explanation:** A display command is about to be processed with (ON) or without (OFF) a formatted dump.

**ADANA2** SMGT { active | not active }

**Explanation:** Indicates whether the error handling and message buffering facility is active in the nucleus.

**ADANA3      Abnormal termination handler { active | not active }**

**Explanation:** Indicates whether the error handling and message buffering facility's abnormal termination handler is active.

**ADANA5      No error conditions handled**

**Explanation:** The error handling and message buffering facility has not encountered any of the errors it is looking for.

**ADANA6      Last error occurred at: date time**

**Explanation:** Indicates the date (yyyy-mm-dd) and time (hh:mm:ss) of the most recent error handled by the error handling and message buffering facility.

**ADANA7      Condition: { mvs-abend-code | rsp: rsp-code } location: location**

**Explanation:** Identifies the abnormal termination that has occurred or the response code that has been received and indicates the location (if any) of the most recent error handled by the error handling and message buffering facility. Explanations of MVS abnormal termination codes can be accessed from the System Codes Manual on the IBM web site at <http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS>

**ADANA8      Count executions of abnormal termination handler**

**Explanation:** Indicates the number of times an error or abend code is trapped and actually handled by the error handling and message buffering facility.

**ADANA8      Count executions of response code handler**

**Explanation:** Indicates the number of times a response code is actually handled (that is, a PIN routine is invoked) by the error handling and message buffering facility.

**ADANA8      Count executions of total error recovery calls**

**Explanation:** Indicates the total number of times the error handling and message buffering facility is invoked to handle a condition (response code or abend code).

**ADANA9      Last error handled by pin pin-number**

**Explanation:** Indicates the PIN routine invoked by the error handling and message buffering facility to handle the most recent error encountered.

**ADANAA**     **xxx condition PIN routines recovered yyy errors**

**Explanation:** Indicates the number of condition-handling PIN routines invoked and the number of errors they recovered.

**ADANAB**     **xxx location PIN routines recovered yyy errors**

**Explanation:** Indicates the number of location-only PIN routines invoked and the number of errors they recovered.

**ADANAC**     **xxx response PIN routines recovered yyy errors**

**Explanation:** Indicates the number of response-code PIN routines invoked and the number of errors they recovered.

**ADANAD**     **xxx total PIN routines recovered yyy errors**

**Explanation:** Indicates the total number of PIN routines invoked and the number of errors they recovered.

**ADANAE**     **Message buffering is { active | not active }**

**Explanation:** Indicates whether message buffering in the error handling and message buffering facility is active.

**ADANAF**     **nnn messages in buffer from date time**

**Explanation:** Indicates the number of messages currently in the message buffer and the date (yyyy-mm-dd) and time (hh:mm:ss) of the oldest message.

**ADANAG**     **PIN nnnn uses: nnnn condition: { mvs-abend-code | rsp: rsp-code } { this pin valid for all locations routine-name | location: hexno hexno (routine-name) }**

**Explanation:** Provides information about an active (PIN) or inactive (\*PIN) routine: the number of times used, the condition it handles (the abnormal termination that occurred or the response code that was returned), and the location(s) for which it is valid. Explanations of MVS abnormal termination codes can be accessed from the System Codes Manual on the IBM web site at  
<http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS>

**ADANAL**      **There are currently no exits in use**

**Explanation:** The DISPLAY=EXITS command was issued but no exits are currently in use.

**ADANAX**      **Exit: exit-code modname: exit-module-name status: { active | active crt | enact }**

**Explanation:** Indicates whether the specified exit is active, active and critical, or inactive.

**ADEN1**      **Invalid control string: string**

**Explanation:** Adabas Online System internal error.

**Action:** Contact your Software AG technical support representative.

**ADONIS1**    **Load failed on SMGT module module-name**

**Explanation:** A load module for the error handling and message buffering facility could not be loaded. Adabas runs without the facility.

**Action:** Ensure that all modules for the error handling and message buffering facility installed with Adabas are still in the distributed library. If modules are missing, restore a copy of the module from a backup and apply any maintenance.

**ADANI2**    **SMGTabend handler active**

**Explanation:** Indicates that the abnormal termination handler of the error handling and message buffering facility is active.

**ADANI4**    **GETMAIN failed for exit table**

**Explanation:** Not enough memory is available to run the error handling and message buffering facility. Adabas runs without the facility.

**Action:** Increase the region size available to the Adabas nucleus.

**ADANI5**    **GETMAIN failed for initial PIN area**

**Explanation:** Not enough memory is available to run the error handling and message buffering facility. Adabas runs without the facility.

**Action:** Increase the region size available to the Adabas nucleus.

**ADANO1 Invalid SMGT cmd: command**

**Explanation:** The operands on an SMGT command were invalid.

**Action:** Correct the operands and reissue the command.

**ADANO2 SMGT command processed**

**Explanation:** The error handling and message buffering facility finished processing a command.

**ADANO5 SMGT not currently active**

**Explanation:** The error handling facility must be active (SMGT=ON) before the command can be issued. The command issued can be found in the ADANO1 message immediately following the ADANO5 message.

**Action:** Activate the error handling facility and reissue the command.

**ADANR1 SMGT handling condition: { mvs-abend-code | rsp: rsp-code }**

**Explanation:** The error handling facility has been invoked for the specified condition. Note that explanations of MVS abnormal termination codes can be accessed from the System Codes Manual on the IBM web site at <http://ppdbooks.pok.ibm.com:80/cgi-bin/bookmgr/bookmgr.cmd/BOOKS/IEA1H706/CCONTENTS>

**ADANR2 Error is in { user | hyper } exit xx, exit disabled**

**Explanation:** An error occurred in the specified, noncritical exit. The exit is not invoked until the error is corrected.

**Action:** Consult diagnostic messages; correct the exit; reload the exit using the SGMT,XLOAD command; then reactivate the exit using the SGMT,XACT command.

**ADANRP PSW: hexno hexno hexno hexno**

**Explanation:** Displays the PSW when the error was encountered.

**ADANRR ry-ry hexno hexno hexno hexno**

**Explanation:** Displays the registers when the error was encountered.

**ADANRT      Condition is a error-type error**

**Explanation:** The error handling facility is handling an error of the specified type.

**ADANS1      SNAP file unavailable**

**Explanation:** The nucleus start-up JCL did not define a dataset to hold a formatted hexadecimal dump of an area in memory, either an address space or a data space.

To use the error handling and message buffering facility's `SMGT,DUMP={ON|OFF}` or `SMGT,SNAP[=(start,end)]` command successfully, the dataset `ADASNAP` must be defined in the Adabas start-up JCL.

**Action:** Stop the Adabas session; add the required statement to the start-up JCL, and start a new session.

**ADANT1      SMGT { activated | deactivated }**

**Explanation:** Indicates a change of status in the error handling and message buffering facility.

**ADANT2      Message buffering { activated | deactivated }**

**Explanation:** Indicates a change of status in message buffering.

**ADANT4      Abnormal termination handler { activated | deactivated }**

**Explanation:** Indicates a change of status in the abnormal termination handling or the error handling and message buffering facility.

**ADANT5      GETMAIN failed for PIN descriptors**

**Explanation:** Not enough memory was available to add new PINs. Adabas runs without the PIN module.

**Action:** Increase the size of the region available to the Adabas nucleus.

**ADANT6      Module module-name load failed**

**Explanation:** Unable to load the specified module. The error handling and message buffering facility runs without the module.

**Action:** Ensure that the module is available to the error handling facility by placing it in the Adabas program library.

**ADANT7 Invalid exit exit-code**

**Explanation:** The exit-code indicated in the message is not a valid code, or is not in the correct state for the command requested. Adabas rejects the command.

**Action:** Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows the requested command.

**ADANT8 Exit exit-code in use module(module-name)**

**Explanation:** The exit-code specified in the message indicates an active exit. Adabas rejects the command.

**Action:** Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows the requested command.

**ADANT9 No module name for exit load**

**Explanation:** Adabas cannot load the exit without the name of the module. Adabas rejects the command.

**Action:** Retype the SGMT,XLOAD command and include a member name for the exit.

**ADANTA Exit exit-code not loaded**

**Explanation:** A command that requires an exit cannot be processed because the exit is not loaded. Adabas rejects the command.

**Action:** Ensure that the exit-code is correct. If it is, load the exit.

**ADANTB exit exit-code module exit-module-name status: { active | inact | loaded | crit | notert }**

**Explanation:** The status (active, not active, loaded, critical, or not critical) of an exit changed as a result of an operator command, and this messages provides the details.

**ADANTC Invalid SNAP parameters**

**Explanation:** The parameters provided for a SNAP command are invalid. Adabas rejects the command.

**Action:** Ensure that the addresses provided to the SNAP command are correct.

**ADANTD PIN routine pin-number disabled**

**Explanation:** The specified PIN routine has been disabled.

**ADANTE PIN routine pin-number not found**

**Explanation:** The PIN routine for the previous command was not found. Adabas rejects the command.

**Action:** Ensure that the PIN routine is correct and reissue the command.

**ADANTF PIN routine pin-number enabled**

**Explanation:** The specified PIN routine has been enabled.

**ADANTG PIN module module-name loaded**

**Explanation:** The specified PIN module has been loaded.

**ADANTH PIN module module-name deleted**

**Explanation:** The specified PIN module has been removed from memory.

**ADANTI PIN module module-name not { found | valid }**

**Explanation:** The PIN module for the previous command is not available. Adabas rejects the command.

**Action:** Ensure that the PIN module name is correct, and that the PIN module is in the Adabas library; then reissue the command.

**ADANTJ { FULL | SNAP } dumps taken for events**

**Explanation:** Indicates whether a full dump or a snap dump is taken.

**ADANTM Message buffering unable to activate**

**Explanation:** Message buffering cannot be activated.

**Action:** Add the MSGBUF= parameter to the initial ADARUN parameters.

**ADANX1**      **COMMAND cmd COMMAND-ID hex-cid FNR file-number RESPONSE  
rsp-code SUBCODE rsp-subcode FLD field-name TID hex-internal-userid UID  
open-userid JOB job-name**

**Explanation:** Format of the diagnostic information produced by the Adabas PINRSP or PINUES routine. The PINRSP routine will produce only the cmd, hex-cid, rsp-code, and rsp-subcode information.

**ADANY1**      **ADABAS must be run from an authorized environment**

**Explanation:** The PIN ADAMXY detected a S047 abend.

**Action:** Run Adabas from an authorized load library.

**ADANY4**      **Error occurred in routine: routine-name**

**Explanation:** The PIN ADAMXY determined that the particular error is in the identified routine.

**Action:** Refer to the appropriate operating system documentation for a description of the system abend that occurred.

**ADANZ1**      **ADABAS SMGT terminated**

**Explanation:** Adabas is in the process of termination, and the error handling and message buffer facility functions have been terminated.

## ADATCP Messages (Prefix ADACM)

The ADATCP component displays several information or error messages on the system console.

### Overview of Messages

ADACM006E	ADACM007E	ADACM008E	ADACM009E	ADACM010E	ADACM011I
ADACM012E	ADACM013E	ADACM014E	ADACM015E	ADACM016E	ADACM017I
ADACM018E	ADACM019E	ADACM020E	ADACM021E	ADACM022E	ADACM023E
ADACM024E	ADACM025E	ADACM026E	ADACM027E	ADACM028E	ADACM029E
ADACM030E	ADACM031E	ADACM032E	ADACM034E	ADACM035E	ADACM036E
ADACM037E	ADACM038E	ADACM039E			

**ADACM006E**      **Unable to load PABNKERN**

**Explanation:** The essential module PABNKERN found in the internal product APS (porting platform) is not available to Adabas.

**Action:** Add the APSvrsLOAD library to your job's STEPLIB.

**ADACM007E Parm error**

**Explanation:** One of the parameters passed within the URL was incorrect.

**Action:** Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

**ADACM008E Invalid value in PORT= parameter**

**Explanation:** The port that was specified in the URL was not valid.

**Action:** The port number can be 1-5 bytes; it cannot be zero (0) or greater than 65535.

**ADACM009E URL=url already { active | closed }**

**Explanation:** Either the URL is already opened (ACTIVE) or already closed (CLOSED).

**Action:** Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

**ADACM010E URL=url not found**

**Explanation:** The URL itself was not found.

**Action:** Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

**ADACM011I URL=url has been { closed | opened }**

**Explanation:** The URL was successfully closed or opened.

**ADACM012E The network is down**

**Explanation:** ADATCP cannot be started because the network is not active.

**Action:** Check that the stack specified in the URL is active. If it is, contact your systems administrator.

**ADACM013E No buffer space is available**

**Explanation:** No buffer space is available to ADATCP to allocate its control blocks.

**Action:** Ensure that sufficient storage is available on the system.

**ADACM014E The link has been severed**

**Explanation:** An error caused TCP/IP or ADATCP to terminate.

**Action:** This message is issued along with another message that explains the reason for the termination. Refer to the other message.

**ADACM015E TCP/IP is not installed or active**

**Explanation:** The TCP/IP stack specified in the URL is not installed or not active.

**Action:** Check that the specified URL is the one intended. If so, either install the specified stack or start it.

**ADACM016E The socket descriptor table is full**

**Explanation:** The maximum number of socket descriptors has been reached: no more sockets can be created.

**Action:** Increase the maximum number of sockets that can be created.

**ADACM017I TCP/IP has terminated**

**Explanation:** Unless this message is accompanied by an error message, TCP/IP has terminated normally.

**Action:** If an error message accompanies this message, refer to that message. Otherwise, this message is for information only.

**ADACM018E The API cannot locate the TCP/IP specified**

**Explanation:** The stack specified in the URL is not valid: TCP/IP cannot initialize.

**Action:** Ensure that the stack is available on the system and that it is active.

**ADACM019E The TCP/IP name specified is not valid**

**Explanation:** The TCP/IP name specified in the URL is not valid.

**Action:** Check that the URL contains the correct stack name. If so, ensure that the stack is available on the system and that it is active.

**ADACM020E TCP/IP failed to load**

**Explanation:** The TCP/IP stack specified in the URL cannot be initialized.

**Action:** Ensure that the TCP/IP stack specified is correct and that it is active. If it is correct and active, contact the systems administrator.

**ADACM021E Unable to allocate storage for SOCKETCB**

**Explanation:** ADATCP is unable to allocate the necessary storage.

**Action:** Ensure that adequate storage is available on the system.

**ADACM022E Invalid operating system for api=opsys**

**Explanation:** The operating system specified in the URL is incorrect.

**Action:** The only operating systems currently supported are OE, Interlink, and HPS.

**ADACM023E Unable to initialize TCP/IP interface**

**Explanation:** The TCP/IP stack specified in either the URL or the protocol that was used is invalid.

**Action:** Check that the URL or protocol contains the correct stack name. If so, ensure that the stack is available on the system and that it is active.

**ADACM024E Unable to get a socket**

**Explanation:** The system is unable to create a new socket. This may be caused by an incorrect stack. If an error number accompanies this message, it will inform you if the problem is inadequate system resources (ENOBUFS) or access denied (EACCES).

**Action:** Ensure that the correct stack is being used. If the problem is inadequate system resources, contact your systems administrator. Contact your security administrator for system access problems.

**ADACM025E Unable to bind socket to local system**

**Explanation:** ADATCP was unable to bind the socket to the local system. Another application may be using the port specified in the URL.

**Action:** Use the "Tso netstat" command to check current use of the specified port. If something else is using the port, terminate ADATCP and change the port in the URL.

**ADACM026E Unable to accept connections**

**Explanation:** ADATCP is unable to accept connections from client applications. This may indicate a shortage of buffer space or that the maximum number of socket descriptors have already been created/opened.

**Action:** Ensure that adequate buffer space is available to the system. If necessary, increase the maximum number of sockets available to the system.

**ADACM027E Unable to listen for new connections**

**Explanation:** ADATCP is unable to listen for new connections. This usually indicates that the system resources available to complete the call are inadequate. If an error number is supplied with this message, it will help to identify the problem.

**Action:** If system resources are inadequate, contact your systems administrator.

**ADACM028E Unable to set SOCKOPT REUSEADDR option**

**Explanation:** An attempt to allow currently used local addresses to be bound failed. This may indicate inadequate system resources. If an error number is supplied with this message, it will help to identify the problem.

**Action:** If system resources are inadequate, contact your systems administrator.

**ADACM029E Unable to give socket to new thread**

**Explanation:** ADATCP was unable to give control of a socket to a different process. This error occurs only if there is a problem with the socket itself. If an error number is supplied with this message, it will help to identify the problem.

**ADACM030E Unable to create a new thread**

**Explanation:** The system was unable to create a new thread. This indicates inadequate system resources or memory to create the thread.

**Action:** Contact your systems administrator.

**ADACM031E Unable to close the requested socket**

**Explanation:** ADATCP attempted to close a socket that was being used by another thread in the same process. This occurs only when the system is terminating due to some other error.

**Action:** Check the console for other messages.

**ADACM032E Unable to MALLOCstorage**

**Explanation:** ADATCP was unable to allocate storage. This may indicate that inadequate storage is available on the system.

**Action:** Contact your systems administrator.

**ADACM034E Unable to receive data**

**Explanation:** ADATCP cannot receive data from a client. This may indicate that the connection between ADATCP and the client has been severed during a transaction or that system resources are inadequate to complete the call. The error number supplied with this message will identify the problem.

**Action:** Contact your systems administrator.

**ADACM035E Unable to take the socket**

**Explanation:** The process that send requests to and from Adabas was unable to take control of the socket that was passed to it by the listening task.

**Action:** Check the error number and the return code that accompany this message.

**ADACM036E Unable to set the cancel type**

**Explanation:** The main request task is unable to set the cancel type for the thread that is currently running.

**Action:** Check the error number and the return code that accompany this message.

**ADACM037E Unable to send data**

**Explanation:** ADATCP is unable to send data from a client. The error number issued with this message indicates whether the problem is a severed connection between ADATCP and the client or insufficient system resources to complete the call.

**Action:** Check the error number issued with this message.

**ADACM038E Unable to close the socket**

**Explanation:** ADATCP attempted to close a socket while it was being used by another thread in the same process. This occurs if the system has tried to terminate due to another error.

**Action:** Check for other messages issued to the console.

**ADACM039E Context table full**

**Explanation:** The number of connections has reached a predefined limit; no entries can be added to the user context table.

**Action:** Increase the ADARUN NU parameter value to the required number of entries and restart ADATCP.