ADAI* - ADAIOR System Messages

Notes:

1. Although not considered console messages, those preceded by an asterisk (*) are also displayed on the system console.
2. Some of the ADAI* messages are preceded by the Adabas database ID. These database IDs are not shown in the message texts in this documentation.

Overview of Messages

ADAI01 ***data set count*** **{READS | WRITES}**

Explanation The first form of the message is written when a sequential input data set is closed; the second form is written when a sequential output data set is closed.

ADAI02 **GETMAIN** ***stor-req*** **(*source*)**
GETMAIN ***stor-req stor-avail*** **(*source*)**

Explanation The first form of the message is written whenever memory is dynamically acquired and the requested memory is available.

The second form of the message is written whenever memory is dynamically acquired and less than the requested memory is available.

In the messages, *stor-req* is the amount of memory requested, *stor-avail* is the amount of memory available, and *source* (printed only under z/VSE) is the source of the memory (GETVIS, COMREG, ADABUF).

ADAI03 **{** ***data set*** **|** ***physical-file-name*** **}** ***countr*** **reads** ***countw*** **writes**

Explanation A direct access data set is closed. The *physical-file-name* indicates that the file was opened using dynamic allocation.

ADAI04 ***count*** **errs** ***count*** **errs**

Explanation The message is written immediately following message ADAI03 when a direct access data set for which there had been read and/or write errors is closed.

ADAI05 ***count*** **reads** ***count*** **writes using zHPF**

Explanation **Note:**
This message is available in z/OS systems only.

This message is written at data set close following message ADAI03 when a direct access data set has used zHPF channel programs for reads or writes.

This message is only generated when the zHPF read and write counts differ from the read and write counts in the preceding ADAI03 message.

Action No action is required for this informational message.

ADAI06 ***count*** **retries using ECKD**

Explanation **Note:**
This message is available in z/OS systems only.

This message is written at data set close following message ADAI03. If it was necessary to retry any zHPF I/O requests using an ECKD channel program (for instance because zHPF became unavailable on the operating system), the retry count is supplied.

Action No action is required for this informational message.

ADAI20 ***dbid*** **dataset** ***physical-file-name*** **DD:** ***link-name***

Explanation An I/O error occurred on a file opened using dynamic allocation. This message appears immediately after the ADAI21 message.

ADAI21 ***dbid*** **IO error DD** ***link-name*** **DSN** ***file-name***
RABN ***bad-rabn*****(*****start-rabn*****)** ***oper*** **from** ***start-num*** **Num** ***num-rabn***
IOBA ***ioba*** **CCWA** ***ccwa*** **CC** ***ccbs*** **CSW** ***csw*** **SNS** ***sns***
SYS ***lu*** **IEDB** ***iedb*** **ADDR** ***ccw-addr*** **CMD** ***ccw-cmd*** **IDA** ***ida-data*** **DATA** ***ccw-data***

Explanation IBM platforms only. This message occurs when a disk I/O error is reported back to ADAIOR by the operating system.

The first 3 lines of the message are sent to the console and DDPRINT. Subsequent lines are sent to DDPRINT only.

The message variables and their meanings are:

Variable	Description
bad-rabn	The actual failing RABN.
ccbs	Communications bytes from the communications control block.
ccwa	CCW address of failing I/O.
ccw-addr	The CCW address.
ccw-cmd	The CCW data.
ccw-data	Up to 16 bytes of data pointed to by the CCW.
csw	Channel status from the channel status word (CSW).
dbid	Database ID
file-name	The physical file name of the data set.
ida-data	Indirect access address of CCW data.
iedb	The I/O error data block (z/OS only)
ioba	I/O control block address for failing I/O.
link-name	The DD name (z/OS) or DLBL name (VSE) of the data set .
lu	The logical unit where the failure occurred (z/VSE only).
num-rabn	The number of RABNs for this part of the failing I/O operation.
oper	The type of operation being performed when the failure occurred as follows: Read, Write, or Format
sns	Additional sense byte data.
start-num	The start RABN for this part of the failing I/O operation.
start-rabn	The start RABN of the failing I/O operation.

For more information on CCW, CSW and sense data, please refer to the relevant IBM publication.

Action Use the information provided by the message to locate a possible hardware failure. Keep the information and any dumps for later use.

If no hardware failure occurred, please contact your Software AG technical support representative.

ADAI22 **ADAIOR Trace table: --> is current entry**

Explanation The ADAIOR trace table has been activated and printed.

ADAI23 ***dbid job-name*** **abend code** ***code***

Explanation z/VSE and BS2000 systems only. ADAIOR is asked to abend a job. A dump is normally also provided. The message values are:

dbid	database ID
code	the abend code (refer to the abend code descriptions in chapter 4).
job-name	the z/VSE job name or BS2000 program name.

ADAI24 ***dbid*** **Ready for operator communication**

Explanation SYSLOG displays this message once operator communications has been requested by the operator with the z/VSE MSG command. The value *dbid* is the database ID.

Action Enter a valid Adabas command.

ADAI26 ***dbid job-name*** **completion code** ***code***

Explanation BS2000 systems: This message displays the normal termination return code. If a nonzero abend code is displayed, the BS2000 program task switch 10 is set on.

z/VSE systems: The end-of-job (EOJ) "RC=(RX)" sets the return code for the operating system. The message provides the database ID (dbid), job name, and return code.

Action BS2000 systems: If job variables are installed, the abend code is passed to the controlling job variable. A job variable assigned with link "*ADA" is set with the following information:

program name (8 bytes) completion code (4 bytes) error number (5 bytes) Adabas response code (5 bytes)

z/VSE systems: For a nonzero abend code, refer to the description in chapter 4. If the DUMP option was specified, refer to the resulting dump, if needed, to determine the cause of the abend. The job step is terminated.

ADAI27 ***dbid* Timer interval exceeds maximum allowed**
***dbid* Reset to maximum**

Explanation A timer request was issued that exceeds the maximum allowed by the operating system.

Action Reset the interval to the maximum allowed by your operating system.

ADAI29 **Oper cmd: *command***

Explanation z/OS, z/VSE, and BS2000 systems only: This message occurs in SYSLST as part of the session statistics during Adabas session termination. The value *command* is the operator command last entered from SYSLOG.

ADAI30 ***file-name number* tracks formatted**

Explanation ADAIOR has completed formatting for a direct-access file.

ADAI31 ***dbid* Opening tape file *file-name* SYS*nnn=cuu***

Explanation This SYSLOG message means that a tape file was opened. Meanings of the message fields are:

dbid	Adabas database
file-name	filename of the input/output file opened
nnn	z/VSE logical unit ID
cuu	physical address of the selected drive

ADAI32 ***dbid* Internal error - function *func-name* error *error***

Explanation An internal error has occurred.

Action Make a note of all recent messages, and contact your Adabas support representative.

ADAI35 zHPF channel program error – retrying I/O in ECKD mode

Explanation **Note:**
This message is available in z/OS systems only.

An I/O error has been detected for a zHPF channel program. The zHPF I/O is retried as a non-zHPF I/O and no further zHPF I/O will be attempted on this file extent during the job step.

This message is followed by message ADAI41.

Action No action is required for this informational message.

ADAI39 **Fixed {1 MB | 2 GB} large page allocation failed --**
{not authorized|not available|not supported}
{R15=*nnnnnnnn* R0=*nnnnnnnnn*}

Explanation An attempt to allocate storage using fixed one-megabyte or two-gigabyte large pages failed. One of three possible reasons is listed in the message:

Reason	Description
not authorized	The job was not authorized. Large page allocation requests require APF-authorization.
not available	Large pages are not available on your system.
not supported	Large pages not supported by your system.

When "{R15=*nnnnnnnn* R0=*nnnnnnnnn*}" is shown in the message, it indicates that an unexpected return code was received from the z/OS IARV64 service.

Action No immediate action is necessary, as a storage allocation not using large pages will be attempted instead.

Action may be required to prevent this warning message from appearing when the job is next run:

- If the message indicates that the job was not authorized, ensure when rerunning the job that it is APF-authorized.
- If your system does *not* support large pages, do not use the ADARUN parameter causing the attempt to allocate using large pages. Remove it from the startup JCL of the job.
- If your system *does* support large pages of the type requested, consider increasing the number of fixed large pages specified for your operating system using the LFAREA parameter in PARMLIB member IEASYS*xx*. Contact your system administrator for assistance. For more information, read your IBM *MVS Initialization and Tuning* documentation.

ADAI40 **zHPF unavailable – retrying I/O in ECKD mode**

Explanation **Note:**
This message is available in z/OS systems only.

An I/O error has been detected for a zHPF channel program, because zHPF is no longer available. The zHPF I/O is retried as a non-zHPF I/O and no further zHPF I/O will be attempted on any file until after message ADAI42 is issued.

This message is followed by message ADAI41.

Action No action is required for this informational message.

ADAI41 **IO Retry DD *link-name* DSN *file-name***
RABN *bad-rabn*(*start-rabn*) *oper* from *start-num* Num *num-rabn*
IOBA *ioba* TCWA *tcwa* CC *ccbs* CSW *csw* SNS *sns*
IEDB *iedb* TCW *tcw*

Explanation **Note:**
This message is available in z/OS systems only.

This message occurs when a disk I/O error on a zHPF channel program is reported back to ADAIOR by the operating system. Message ADAI41 is issued immediately following ADAI35 or ADAI40.

If ADAI41 is issued following ADAI40, only the first three lines of message ADAI41 are generated. The first three lines of the message are sent to the console and DDPRINT. Subsequent lines are sent to DDPRINT only.

The message variables and their meanings are:

Variable	Description
bad-rabn	The actual failing RABN.
ccbs	Communications bytes from the communications control block.
csw	Channel status from the channel status word (CSW).
dbid	Database ID
file-name	The physical file name of the data set.
ida-data	Indirect access address of CCW data.
iedb	The I/O error data block (z/OS only)
ioba	I/O control block address for failing I/O.
link-name	The DD name of the data set.
num-rabn	The number of RABNs for this part of the failing I/O operation.
oper	The type of operation being performed when the failure occurred as follows: Read or Write
sns	Additional sense byte data.
start-num	The start RABN for this part of the failing I/O operation.
start-rabn	The start RABN of the failing I/O operation.
tcw	The TCW, TCCB and TIDAL data for the I/O.
tcwa	TCW address of failing I/O.

For more information on TCW, CSW and sense data, please refer to the relevant IBM publication.

Action When preceded by message ADAI40, no further action is required.

When preceded by message ADAI35, use the information provided by the message to locate a possible hardware failure. Keep the information and any dumps for later use.

If no hardware failure occurred, please contact your Software AG technical support representative for assistance.

ADAI42 zHPF enabled for I/O requests on supported devices

Explanation **Note:**
This message is available in z/OS systems only.

zHPF has been enabled on the operating system. I/O to data sets opened in zHPF mode, on devices which support zHPF, will now use zHPF channel programs.

This message is only issued after a previous ADAI40 message.

Action No action is required for this informational message.

ADAI44 Storage at [*address*] length [*length*] {{is | is not } backed by fixed 1MB large pages | {is | is not } backed by fixed 2GB large pages | is backed by pageable 4KB pages}

Explanation A 64-bit virtual storage area was allocated with the address and length indicated in the message.

Different message endings appear using this message ID, depending on the type of storage requested and the type of storage allocated. The following table lists the possible messages, their cause, and recommended actions you can take when they occur.

Message Ending	Description	Action
"is backed by fixed 1MB large pages"	Storage backed by fixed 1M large pages was requested via ADARUN parameters; 1M large pages are successfully being used to back the storage.	No action is required for this informational message.
"is not backed by fixed 1MB large pages"	Storage backed by fixed 1M large pages was requested via ADARUN parameters, but this request was not successful. Either the system does not support fixed 1M large pages or insufficient fixed 1MB large pages were available. Instead, the allocated storage is backed by pageable 4K pages.	Consider the following actions: ● If your system does *not* support large pages, do not use the ADARUN parameter causing the attempt to allocate using large pages. Remove it from the startup JCL of the job. ● If your system *does* support large pages of the type requested, consider increasing the number of fixed large pages specified for your operating system using the LFAREA parameter in PARMLIB member IEASYS*xx*. Contact your system administrator for assistance. For more information, read your IBM *MVS Initialization and Tuning* documentation.
"is backed by fixed 2GB large pages"	Storage backed by fixed 2G large pages was requested via ADARUN parameters; 2G large pages are successfully being used to back the storage.	No action is required for this informational message.
"is not backed by fixed 2GB large pages"	Storage backed by fixed 2G large pages was requested via ADARUN parameters, but this request was not successful. Either the system does not support fixed 1G large pages or insufficient fixed 2GB large pages were available. Instead, the allocated storage is backed by pageable 4K pages.	Consider the following actions: ● If your system does *not* support large pages, do not use the ADARUN parameter causing the attempt to allocate using large pages. Remove it from the startup JCL of the job. ● If your system *does* support large pages of the type requested, consider increasing the number of fixed large pages specified for your operating system using the LFAREA parameter in PARMLIB member IEASYS*xx*. Contact your system administrator for assistance. For more information, read your IBM *MVS Initialization and Tuning* documentation.
"is backed by pageable 4KB pages"	Storage backed by pageable 4K pages was requested; pageable 4K pages are successfully allocated. If 1M or 2G large pages were requested, this message appears on the operator console and on DDPRINT. If 4K pages were requested, this message appears on DDPRINT only.	No action is required for this informational message.

Action Refer to the specific message ending in the table above to determine what action, if any, is necessary.

ADAI51 ***dbid*** **Adabas PAM BS2000 I/O error** ***err-num*** **in file** ***file-name***
RABN=*error-rabn* (*start-rabn*) OP=*op-code* ST=*fecb*

Explanation BS2000 systems only: A PAM I/O error occurred on DASD file *file-name*.

- *err-num* is the DMS error code. The explanation for the error can be found out using the following online command:

```
HELP-MESSAGE DMS<err-num>
```

- *error-rabn* is the RABN where the error occurred.
- *start-rabn* the RABN where the operation began.
- *op-code* comprises one or more of the following operation code values:

X’80’	READ read operation
X’40’	WRITE write operation
X’20’	FORMAT format operation
X’10’	ENDOFTRK read or write to track end
X’08’	RENOWRT no write if read-only nucleus

- *fecb* is the FECB block status used for the I/O error, and comprises the SENSE, GERAETE (device), ABM and NPA fields. For more information, contact your Software AG technical support representative.

ADAI53 ***dbid*** **Adabas BS2000 I/O error** ***err-num*** **in file** ***file-name***

Explanation BS2000 systems only: This is the first part of an I/O error message. The message is followed by message ADAI54. The *err-num* is a BS2000 error code. The *file-name* shows the link name for the failed data set.

Action Use the "err-num" as an argument for the HELP command to get information about the failing function.

ADAI54 ***dbid*** **Exit=*value*, status=*fcb-status***

Explanation BS2000 systems only: The *value* is the error exit byte of the BS2000 FCB.

fcb-status is a six-byte status containing the following:

byte 0:	device byte
bytes 1-3:	sense bytes 1-3
byte 4:	executive flag byte
byte 5:	count of processed PAM pages

ADAI55 ***dbid*** **SOLSIG error R15=*ret-code*, post-code=*post-code***

Explanation BS2000 systems only: The system received an invalid return *ret-code* or *post-code* when issuing a SOLSIG "WAIT" supervisor call (SVC). *dbid* is the database ID.

ADAI56 ***dbid*** **Unexpected RC *ret-code* from *macro***

Explanation BS2000 systems only: The data set assigned to SYSDTA is either a non-SAM/V data set, or it contains records longer than 80 bytes. The value *macro* is RDATA.

ADAI57 ***dbid*** **Unable to load ADAIOS**

Explanation An attempt to load ADAIOS failed. Check your LOADLIB and your partition sizes; either the partition is too small or the ADAIOS member is missing from the LOADLIB.

ADAI59 ***dbid*** **Terminated with condition code *code***

Explanation This is a termination message issued by ADAIOR when a controlled end is reached. The code specifies a weighted termination condition. Return code "0" indicates a normal end. For more information about abend codes, review your other Adabas abend code documentation.

ADAI60 ***dbid*** **PLOGMIR parameter ignored**
dbid **PLOG mirroring no longer supported**

Explanation The ADARUN parameter PLOGMIR is set to YES or RAP. This parameter setting is ignored as PLOG mirroring is no longer supported.

ADAI62 ***dbid* Allocation error - type *x* retcode *ret-code***
dbid* subcode *subcode* dataset *physical-file-name

Explanation An attempt to allocate a file dynamically failed. *x* indicates the request type: A (allocation); D (deallocation); or I (information retrieval). The *ret-code* and *subcode* display the error code returned from the operating system.

Action Interpret the error code for your system and respond accordingly.

ADAI63 ***dbid* Dataset *physical-file-name* is being opened in *mode* mode - RABN size *rabn-size***

Explanation **Note:**
This message is available in z/VSE and BS2000 systems only.

The data set specified is being opened using dynamic allocation in the mode given in the message (CKD, ECKD, or FBA). The file resides on a storage control device that supports count key data (CKD), extended count key data (ECKD) or fixed block access (FBA) channel commands. Adabas generates channel programs accordingly.

ADAI64 ***dbid* File *file-name* is being opened in *mode* mode - RABN size *rabn-size***

Explanation **Note:**
This message is available in z/VSE and BS2000 systems only.

The file specified is being opened in the mode given in the message (CKD, ECKD or zHPF). The file resides on a storage control device that supports count key data (CKD), extended count key data (ECKD) or high performance FICON (zHPF) channel commands. Adabas generates channel programs accordingly.

ADAI64 ***dbid* {File *ddname* | Dataset *dsn*} is being opened in mode *mode***
Block size *blksize* RABN range *start-RABN* to *end-RABN*

Explanation **Note:**
This message is available in z/OS systems only.

The file (*ddname*) or dynamically allocated data set (*dsn*) is being opened in the mode given in the message (CKD or ECKD). The file resides on a storage control device that supports count key data (CKD) or extended count key data (ECKD) channel commands. Adabas generates channel programs accordingly.

The block size (*blksize*) of the data set is given in the message. It contains the blocks with numbers *start-RABN* through *end-RABN*.

Action No action is required for this informational message.

ADAI65 ***dbid*** **EXCPVR is [NOT] being used for this run [in ESA64 mode]**

Explanation z/OS systems only: If ADAIOR is loaded from an APF-authorized library concatenation, and ADARUN is linked with the SETCODE AC(1) statement, ADAIOR then performs the channel program translation/page fixing. If "NOT" appears in the message, ADAIOR will not perform channel program translation and page-fixing to improve the performance of I/O operations.

If EXCPVR is in use, and the operating system and processor support the allocation of real storage above the 2 gigabyte line, "in ESA64 mode" appears in the message.

Action None required. This message is for your information only. If the message says that EXCPVR is not being used, but you have set up ADAIOR in an APF-authorized library and linked ADARUN with SETCODE AC(1) to use EXCPVR, refer to the Adabas Installation documentation for more information.

ADAI66 ***dbid*** **ADAIO2** ***error-code message***

Explanation The *error-code* is the Fujitsu Technology Solutions macro return code. The *message* is one of the following produced by the database main task while attempting to start a subtask:

```
ENABLING SUBTASK COM MEMORY
ENABLING CONTINGENCY
ENABLING WAIT
ENTERING JOB
GET PARAMETER MEMORY
GET SUBMIT FILE
OPENING SUBMIT FILE
SET FILE LINK
STXIT CALL ERROR
```

All errors are caused by system resource problems.

Action Contact your Software AG technical support representative.

ADAI67 ***dbid* ADAI2S *error-code message***

Explanation The *error-code* is the Fujitsu Technology Solutions macro return code. The *message* is one of the following produced while attempting to start a subtask in the subtask startup module:

```
NO MOTHER TASK COMMON MEMORY
```

The memory pool containing data from the mother task is not accessible. The mother task has timed out or terminated.

```
NO ENABLE TO MOTHER'S EVENT
```

Mother task-to-subtask communication cannot be established. The mother task has probably terminated.

```
CANNOT SHARE MOTHER'S LOW MEMORY
```

The subtask parameter address area cannot be accessed.

```
CANNOT LOAD SUBTASK subtask-name
```

An error occurred while loading the subtask. Check the DDLIB and BLSLIBnn link names for libraries containing "subtask-name".

```
CANNOT POST MOTHER PROGRAM
```

Communication with the mother task is no longer possible. The mother task has probably terminated.

```
STXIT DEFINITION ERROR
```

A system error occurred while establishing the ESTAE(STXIT) exit for the subtask. Check the system resources.

ADAI68 ***dbid* ADAIO2 *message***

Explanation **Note:**
This message appears in BS2000 systems.

The *message* providing information about BS2000 subtasks is one of the following:

```
DISABLING SUBROUTINE subtask-number subtask-startname
```

The subtask with the number and startup name specified is being disabled.

```
SUBTASK POSTED RC: return-code
```

The subtask posted the specified return code.

Action If this message occurs because of regular disabling processing, such as through the use of the ADAEND command, no action is required.

If this message occurs because of an unexpected error, then either the additional message "SUBTASK POSTED RC: *return-code*" is printed or additional messages can be found in the subtask-specific protocol. In this case, contact your Software AG technical support representative for assistance.

ADAI69 **ADALNK is running in *mode* mode**

Explanation BS2000 only: ADALNK writes this message to tell you the mode it thinks it is running in where *mode* is one of the following:

BATCH/TIAM	batch or Fujitsu Technology Solutions as carrier
UTM/3GL/AMS	on UTM with an Assembler or 3rd generation language such as COBOL, C, FORTRAN, etc.
UTM/NATURAL	on UTM running Natural

Note:
To suppress this message, set the B2CONFIG parameter in SSFB2C: LNKMSG=NO

Action: No action is required for this informational message, although you can use this message for diagnosing errors.

ADAI6U **File: *lllllll*, GCB Blksz *nnnnnnnnn* > physical *mmmmmmmmmm*, decrease or format**

Explanation BS2000 only: For ASSO or DATA containers, the declared size *nnnnnnnnn* is larger than the physical size *mmmmmmmmmm* for the container on link name *lllllll*. This happened after running the ADADBS INCREASE utility function or a wrong declaration of the size when the container was defined with the ADADEF utility. This can lead to I/O errors and database maintenance problems.

It is no longer possible to start the nucleus or run Adabas utilities other than the ADADBS, ADAFRM or ADAREP utilities.

Action: Either run the ADADBS DECREASE utility function with a size of *nnnnnnnnnn - mmmmmmmmmm* blocks or run the ADAFRM utility with FROMRABN=NEXT and a size of *nnnnnnnnnn - mmmmmmmmmm*.

ADAI71 **Error *nn* writing console message type *x* length *nnnn***

Explanation An error has occurred processing a request to write a message to the console.

Action: Contact your Software AG technical support representative for assistance.