

# User Abend Codes

The decimal abend (abnormal end) codes described in this chapter occur in ADAInn, ADARUN, and in some utility messages. The message ADAM99 presents both system and nucleus STAE abend codes in hexadecimal; in this case, a nucleus abend code must first be changed to decimal before the description can be located here.

Most abend codes (except 20) result from errors that normally require assistance from your Adabas support technical representative. If abend codes 23 or 24 occur, save the Work data set. For all abend codes, save any dumps and note any messages or other indications that the system issues. Advise your Adabas technical support representative of the error.

Code	Module	Explanation
15	(nucleus)	Workpool too small to execute session autorestart.
16	(nucleus)	DTP=RM: Two-phase commit logic error.
17	(nucleus)	DTP=RM: Work-part-4 overflow.
19	(nucleus)	DTP=RM: Two-phase commit logic error.
20	(nucleus)	Error during system startup (refer to section Nucleus Startup Error Messages in chapter 2).
21	(nucleus)	I/O error during asynchronous buffer flush (Asso/Data/Work/PLOG).
22	(nucleus)	I/O error on sequential PLOG and PLOGRQ=YES/FORCE in effect.
23	(nucleus)	WORK overflow.
24	(nucleus)	Autostart cancelled - protection area inconsistent.
25	(nucleus)	Logical I/O error: Adabas was unable to track one or more I/O operations).
26	(nucleus)	Adabas session cancelled by operator command.
27	(nucleus)	Session ended due to work pool space problems.
28	(nucleus)	Nucleus problem during an asynchronous buffer flush.
29	(nucleus)	Adabas Transaction Manager (ATM) interface error.
30	(nucleus)	Adabas Transaction Manager (ATM) interface error.
31	(nucleus)	Insufficient workpool space for only active command.
33	(nucleus)	Logic error during file number validation.
33	ADARAC	Recovery Aid logic error.
34	utilities	Abnormal termination with dump.
35	utilities	Abnormal termination without dump.
36	utilities	I/O error occurred while writing to DDRUCK or DDPRINT. Check JCL.
37	(nucleus)	ET post logic error.
38	(nucleus)	Unexpected response code for internal command.
39	(nucleus)	Fatal internal response code occurred during asynchronous buffer flush.

<b>Code</b>	<b>Module</b>	<b>Explanation</b>
40	(nucleus)	Getmain failure early during session start.
40	ADACOM	Fatal error during ADACOM processing (cluster environments).
41	ADADSFN	Fatal error during Delta Save Facility processing.
42	(nucleus)	An ADAESI or security violation occurred at startup.
43	(nucleus)	Logic error in command selection (freeze table).
44	(nucleus)	Logic error in an FST write or an online process.
45	(nucleus)	Logic error in asynchronous buffer flush by volume (with ASYTVS=YES)
46	(nucleus)	Logic error in the buffer pool manager.
47	(nucleus)	Logic error in thread management
48	(nucleus)	Logic error in an ADANCX (cluster environments).
49	(nucleus)	General internal error (various reasons)
50	(nucleus)	Logic error in SRB code (Adabas Cluster Services)
51	(nucleus)	Logic error in dynamic Work access
52	(nucleus)	STCK clock not running
53	(nucleus)	Logic error in global hold queue element lock handling
54	(nucleus)	Logic error in global file lock handling
55	ADACLU	Fatal error during ADACLU processing (cluster environments).
56	(nucleus)	Logic error in ET synchronization process
57	(nucleus)	Unexpected error during online recovery
58	(nucleus)	Error in protection record bookkeeping
59	(nucleus)	Logic error during large object (LB) processing
70	(nucleus)	Parallel Services nucleus canceled by peer nucleus
79	(nucleus)	An uncorrectable intracluster communication failure occurred.
82	(nucleus)	Logic error in file activity bookkeeping
83	(nucleus)	Logic error in extended MU/PE handling
84	(nucleus)	Logic error in spanned record handling
85	(nucleus)	Logic error in spanned record read-lock handling
86	(nucleus)	Logic error in Adabas Fastpath multifetch processing
87	(nucleus)	Logic error in multiple buffers
89	(nucleus)	Logic error during global update command synchronization
108	ADATRA	Failure to load and install the trace module
214	MPMGCS	Unsuccessful state
215	MPMGCS	Invalid operating system

Code	Module	Explanation
216	MPMGCS	Invalid function
221	MPMVSE	Invalid operating system
222	MPMVSE	Invalid function
223	MPMCMS	Unsuccessful STAE
225	MPMCMS	Invalid function
226	MPMCMS	Invalid FORCE of active target
227	MPMBS2	Wrong ADARER module found
228	MPMBS2	STXIT not successfully installed
229	MPMBS2	Invalid function
230	MPMBS2	Invalid router-40 caller The router-40 call is used to change entries in the ID table in the common memory. The authority of the caller is checked before the change is made. If another Entire Net-work task was started with the FORCE=YES option specified, this task may now be prevented from issuing router-40 calls, and could have been abended.
231	MPMBS2	Caller not correct target
232	MPMBS2	Invalid IDT
233	MPMBS2	Adabas cancelled in BOURSE WAIT (see the ADAM82 message description in <i>Adabas Messages and Codes</i> ).
234	MPMBS2	Enqueue to IDT failed (BS2000)
235	ADAMP2	Unable to acquire memory for MPM client table UTAB (BS2000)
247	MPMMVS	Unsuccessful STAE
248	MPMMVS or MPMF4	Invalid operating system or RMODE; for MPMF4, invalid operating system or RMODE; or CID GETMAIN failed The operating system check did not recognize a "known" operating system. The known system is z/OS. For z/OS: if the nucleus is running AMODE 31, then RMODE 24 was not set for at least one Adabas module other than ADALNK.
249	MPMMVS	Invalid function
252	IORSUB	Adabas subtask abend. See the ADAM90 message description in the <i>Adabas Messages and Codes</i> .
253	MPMIND	Nonrecoverable abend (caused by STAE/STXIT processing program check or nucleus abend) See the ADAM99 message description in the <i>Adabas Messages and Codes</i> .
254	MPMIND	Invalid function in abnormal termination recovery exit
255	MPMIND	Invalid function
257	MPMVSE	Return code on 24-call from FREEVIS
435	ADASIP	The subsystem name specified is already being used by another ADABAS SVC. Select another subsystem name and rerun the job.

<b>Code</b>	<b>Module</b>	<b>Explanation</b>
436	ADASIP	Invalid IDT for option table replace
437	ADASIP	No SSCT for option table replace
438	ADASIP	Incorrect ADAESI option table
439	ADASIP	ADAESI option table load error
440	IORCMS	Program loaded above 16-megabyte (RMODE=ANY)
441	IORCMS	Incorrect operating system version. Not z/VM.
443	RTRGCS	Invalid 40-caller
444	RTRGCS	Caller not correct target
445	RTRGCS	No IDT
446	RTRGCS	Caller not authorized
447	RTRGCS	Invalid 48-call parameters
448	RTRGCS	Invalid 00-call parameters
449	RTRGCS	Invalid operating system
450	RTRGCS	Invalid function
451	LNKGCS	Unsupported function
452	LNKGCS	Invalid UB
453	LNKGCS	Length of user info LT (less than) 0
454	LNKGCS	Error in link initialization routine
455	LNKGCS	Incorrect router version
456	LNKGCS	User exit before call increased length of user info
457	LDICMS	Internal control blocks not found
458	LNKCMS	Unsupported function
459	LNKCMS	Invalid UB
460	LNKCMS	Invalid length of USER INFO, less than zero or modified by ZAP
461	LNKCMS	User exit before-call increased length of USER INFO
462	LDICMS	Line driver error encountered
463	LDICMS	IDT manager machine logged off
464	LDICMS	Invalid 40-caller
465	LDICMS	Invalid 00-call parameters
466	LDICMS	Invalid function
468	IORCMS	Output tape file protected
469	SIPMVS	ADASIP CDE cannot be found
470	SIPMVS	SVCMVS load error

Code	Module	Explanation
471	SIPMVS	Incorrect SVC MVS
472	SIPMVS	SSCT disappeared
473	SIPMVS	ADASIR non-zero return code
474	SIPMVS	SVC table entry changed
475	SIPMVS	SSCT already exists
476	SIPMVS	GETMAIN error
477	SIPMVS	Incorrect ADASIR
478	SIPMVS	ADASIR load error
479	SIPMVS	ADASIR or ADASVC were not found in the load libraries provided to the ADASIP job
480	SIPMVS	Open error
481	SIPMVS	EXEC PARM error
482	SIPMVS	SIPMVS not authorized
483	SIPMVS	RMODE or AMODE not 24
484	SIPMVS	Invalid operating system
485	LNKBTO	Unsupported function
486	SVC MVS	Invalid PCR04 call
487	SVC MVS	Caller specified an unknown or invalid target. This is possibly caused by restarting an already active target using FORCE=YES.
488	SVC MVS	Invalid PCR16 call
489	SVC MVS	Invalid 48-call parameters
490	SVC MVS	Invalid 40-caller
491	SVC MVS	SVC 12-call without 16-call required
492	SVC MVS	Active dormant LX
493	SVC MVS	Invalid 00-call parameters
494	SVC MVS	Caller not authorized
495	SVC MVS	Invalid operating system
496	SVC MVS	No IDT
497	SVC MVS	Invalid function
498	LNKBTO	Invalid UB
499	LNKBTO	Length of user info less than zero
500	LNKBTO	Error in link initialization routine
501	LNKBTO	Incorrect router version
502	LNKBTO	User exit before-call increased length of user info

Code	Module	Explanation
503	IORCMS	EVENTS error
509	IOROS	DEB error
510	SSFENV	SSF initialization error
515	IORIND	GTALNK error
516	IORIND	RWINT error
539	IORSUB	FVSE error
540	IORSUB	FVST error
545	IOROS	BCP storage error
546	IORCMS	ADECB error
547	IOROS	Not z/OS system; z/OS RMODE is not 24; or z/OS AMODE 31 is not allowed
548	IOROS	BCP error
549	IOROS	DLECB error
550	IOROS	QEDIT (block) error
551	IOROS	CHKIO error
553	IORCMS	Requested file not on tape
554	IORCMS	Block count in EOF/EOV label not equal to I/O count
555	IORCMS	Tape I/O error during mount or label processing
556	IORCMS	No virtual console
557	IORCMS	DLECB error
558	IORCMS	CHKIO error
559	IOROS	Incorrect SVC version
560	IOROS	Maximum blocks/track > minimum, I/O error, global sequential BLKSIZE too big, or invalid number (ECBS)
561	IOROS/ IORGCS	EVENTS error
562	IOROS	Program loaded above 16 meg
563	IORBS2	Invalid TDCE found during ADAIOR INIT
564	IORBS2	Failure to load ADAIOI or AT when trying to enable EVENT NAME
565	IORBS2	ECB list overflow
566	IORBS2	Invalid SOLSIG return code
567	IORBS2	DDSCAN error
568	IORBS2	BCP error
569	IORBS2	WTOR error
570	IORBS2	CHKIO error

Code	Module	Explanation
571	IORBS2	Invalid ECB type
573	ADAIOS	Fatal error attempting to establish operator command interface (BS2000)
575	USRCMS	ADARUN nucleus extension not found
576	USRCMS	Insufficient storage for data area
577	LNKCX	User exit before-call increased length of USER INFO
578	IORVSE	CHKIO error
579	LNKCX	Error in link initialization routine
580	LNKCX	Length of USER INFO LT 0
581	LNKCX	Incorrect router version
582	LNKCX	Invalid UB
583	IOROS	QEDIT (CIBCTR) error
584	LNKCX	Unsupported function
586	MGACX	ADAMAI error
587	MGABTO	LOAD error
588	MGABTO	ADAMAI error
589	MGACX	LOAD error
590	IORCMS	Maximum blocks/track > minimum, I/O error
591	IORVSE	EVENTS error
592	IORVSE	GETDVS error
593	IORVSE	IVST error
594	USRBTO	Invalid RMODE
595	IORVSE	EXTRACT error
596	IORVSE	GETLBL error
597	IORVSE	TOPMSG error
598	IOROS/ IORGCS	ADECB error
599	IORVSE	ADECB error
600	IORVSE	DLECB error
601	IORVSE	SUBSID error, invalid version, or ADAIOI could not be loaded
602	IORVSE	CKTDC error
603	IORVSE	Global sequential block size too big or invalid number (ECBS)
604	IORVSE	GETTVS error
605	IORVSE	Invalid printer device

Code	Module	Explanation
606	LNKBS2	Unsupported function
607	LNKBS2	Invalid UB
608	LNKBS2	Length of USER INFO (less than) 0
609	LNKBS2	Incorrect router version
610	LNKBS2	User exit before-call increased length of USER INFO
611	LNKBS2	WAIT error
612	RERBS2	No IDT (identification table)
613	RERBS2	Invalid function
614	SVCVSE	Invalid function via caller
615	SVCVSE	No IDT (identification table)
616	SVCVSE	Invalid 00-call parameters
617	SVCVSE	Invalid 40-caller
618	SVCVSE	Caller specified an unknown or invalid target. This is possibly caused by restarting an already active target using FORCE=YES.
619	IORMVS	Error attempting to open a VSAM file. See the ADAI68 message description for z/OS in chapter 1.
620	IORIND	IOR fatal error
621	IORIND	PLOG size alteration error. The PLOG size (DUALPLS or PLOGSIZE) was changed with the last startup, and PLOG data is still in the PLOG. Run ADARES PLCOPY to save the data, then restart the nucleus.
622	LNKxx	Invalid SAVE area in UB (UEXITB or LUEXIT1) SAVE area (USERSAV) in the Adabas link routine was less than 72 bytes and user exit 1/2 (A/B in Adabas 7) was invoked.
627	IORGCS	No virtual console
628	ADAIOS	GETMAIN error
629	IORVSE	ADAOPTD could not be found, or could not be loaded into storage.
630	IORVSE	Unable to load ADAOPTD.
631	IORVSE	GETVIS failed for sequential file table.
632	IORVSE	No more slots in sequential file table.
633	IORVSE	Internal error file name not found.
636	LNCSTUB	No TWA is available for the task, or the length of the TWA is less than 24 bytes. Check the execution of the task with CEDF to determine if the ADDRESS TWA or ASSIGN TWALENG commands are providing a valid TWA address and length.
637	LNCSTUB	A CICS request failed. Use CEDF to determine the failing request and the nature of the failure. Contact Software AG technical support if necessary.



Code	Module	Explanation
639	LNKOLSC	A CICS request failed. Use CEDF to determine the failing request and the nature of the failure. Contact Software AG technical support if necessary.
640	LNKBS2	The router (ADARER) detected an Adalink at Adabas 5.2.6 level or higher that issued a call to an Adabas nucleus at Adabas 5.2.5 level or lower while the address of the UB was XS. The Adalink module should be bound below the 16-megabyte limit.
640	ADALNK	No memory available for LNK anchor block (BS2000)
641	LNKBS2	The SM6 Adalink detected a router at 5.2.5 level or lower. The ID Table must be initialized with an Adabas nucleus at level 5.2.6 or higher.
642	LNKBS2	The Adalink cannot read the parameter file; the file may be empty, or it may be an ISAM file. Use a SAM/V data set that was created by EDT.
643	LNKBS2	The Adalink detected a syntax error in its parameters. Correct the syntax and rerun.
645	ADALNC	The CICS macro level interface is not supported for CICS/ESA 3.2 and above.
646	ADAIOR	(BS2000) Cannot read the SYSDTA data set; see the message ADAI56 description.
650	SVCMVS	SVC does not match the IDT (identification table).
654	ADALNK	ADALNK: unsupported operating system version, unsupported HSI. Adabas version 6.1 and above requires BS2000 version 10 and above and XS31 hardware.
655	ADALNK	Incompatible versions of ADALNK and ADAL2P. Check library assignments; check TSOSLNK/BINDER protocols. See message ADAK09.
657	ADALINK	The DBID/SVC routing table could not be loaded. This table is required to support Adabas SVC routing by database ID. Ensure that the DBSVCTN keyword in the LGBLSET macro (used to prepare the link globals table for the link routine) provides the correct DBID/SVC routing table load module name. Also verify that the DBID/SVC routing table load module is in a library concatenated in the library search chain so it can be located when the link routine runs.
658	ADALNK	LNKUES module not available to ADALNK.
659	SVCMVS	PC routine invoked by invalid caller.
660	ATMCXRMI	CICS instructed ATM to perform a single-phase commit, but the outcome of the attempted commit could not be determined. Check the status of the transaction using Adabas Transaction Manager's Online Services.
661	SVCMVS	Name/Token service error.
664	SVCMVS	SVC incompatible with install program.
665	SVCMVS	Invalid SVC caller.
666	SVCMVS	Invalid AllocAB deallocation length.
667	SVCMVS	Required CPU instruction set features are not available. IBM ArchLvl 1 instruction set is required.

Code	Module	Explanation
668	ATMCXRMI	A syncpoint operation was triggered by an Adabas command, but the user's communication ID was not known.
669	SVCMVS	S64 recovery routine manager error.
670	link routines	The CICS EXTRACT command used to obtain the Adabas Task Related User Exit (TRUE) global work area failed. The Adabas 8 or enhanced Adabas 7 CICS environment is not correctly established.  To determine the cause, consult the messages associated with starting the Adabas TRUE issued from ADAENAB (if you are running Adabas 7) or from ADACIC0 (if you are running Adabas 8).
672	SVCMVS	IDT extension not provided. Possible incorrect version of ADASIR is indicated.
673	SVCMVS	Invalid PCRCLU caller.
674	link routines	A version 8 call using the ACBX has been made, but the link routine did not detect a valid reentrancy token in direct call (field APLXRTOK) of the Adabas 8 parameter list.
676	link routines	The work area passed to an Adabas 8 link routine in the direct call (field APLXRTOK of the APLX) was invalid, or the attempt to obtain storage for the work area failed.
678	link routines	The Adabas 8 link routine could not find the address of a link global table, either because it was not linked with the Adabas 8 link routine, or because an attempt to load the link globals table failed.
800	NETSIP/OS	Invalid operating system detected - not MVS
801	NETSIP/OS	Parameter error detected
802	NETSIP/OS	Addressing or residency mode, authorization error or operating system is not a virtual machine guest
803	NETSIP/OS	Error detected during program loading or validation
804	NETSIP/OS	Space allocation failure
806	NETSIP/OS	NETSIR initialization failed