

# Natural Nucleus Error Messages

## NAT9901-NAT9950

### NAT9901: Natural/TSO runtime environment is not TSO.

Text	Natural/TSO runtime environment is not TSO.
Expl.	Natural/TSO has been started in a non-TSO environment.
Actn.	Natural/TSO can run in a TSO environment only. Link the appropriate frontend interface for this environment to your nucleus.

### NAT9902: Dataset CMPRINT cannot be opened.

Text	Dataset CMPRINT cannot be opened.
Expl.	In batch mode the dataset CMPRINT cannot be opened. Either it is not or incorrectly defined in JCL or it cannot be opened due to other reasons.
Actn.	Supply the correct dataset definition for CMPRINT in JCL. Check for operating system error messages in the job log.

### NAT9903: NATSTUB not linked to Natural nucleus.

Text	NATSTUB not linked to Natural nucleus.
Expl.	Either module NATSTUB is not linked to the Natural nucleus or, if a shared nucleus is used, NATSTUB is no defined as its entry point.
Actn.	Link the module NATSTUB to the Natural nucleus. If a shared nucleus is used, specify CMSTUB as its entry point in the link job.

### NAT9904: Invalid Natural nucleus :1:.

Text	Invalid Natural nucleus ...
Expl.	The version of the Natural nucleus module :1: does not correspond with the front-end interface; for example, a Version 4.1 front-end has loaded a shared nucleus of Version 3.1.
Actn.	Link the correct Natural nucleus, or specify a correct shared nucleus name using the parameter NUCNAME.

### NAT9905: Terminal I/O error :1:: RC=:2:.

Text	Terminal I/O error :1:: RC=:2:.
Expl.	A terminal I/O error has occurred. The I/O response code RC=:2: indicates the reason for the failure of request :1:. Under TSO, the response code comes from the failing TSO I/O request macro TPUT or TGET.
Actn.	Check the meaning of the response code in the TSO programming manual. Contact Software AG technical support for further problem analysis.

**NAT9906: Natural server cannot run as LE/370 MAIN.**

Text	Natural server cannot run as LE/370 MAIN.
Expl.	Natural received control from a frontend server stub but the LE/370 environment was not initialized by the caller. Natural as a server cannot run as a LE/370 main routine.
Actn.	Either generate NATOS with option LE370=NO or generate the frontend server stub with LE/370 support if possible.

**NAT9907: Unsupported operating system version.**

Text	Unsupported operating system version.
Expl.	The actual operating system version is not supported by this Natural version.
Actn.	See Natural documentation for supported operating systems and versions.

**NAT9910: Session communication area missing or invalid.**

Text	Session communication area missing or invalid.
Expl.	The Natural server session communication area is missing or invalid. The session communication area is internally used by the Natural server and must be supplied by the frontend server stub.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9911: Invalid storage thread size specified.**

Text	Invalid storage thread size specified.
Expl.	Running Natural as a server requires the acquisition of main storage threads of a fixed size. The thread size defined by the frontend server stub is invalid. It must be in the range from 256 kilobytes to 16 megabytes.
Actn.	Specify a correct thread size in the frontend server stub definitions.

**NAT9912: Number of threads invalid or too high.**

Text	Number of threads invalid or too high.
Expl.	Running Natural as a server requires the acquisition of main storage threads. The number of threads defined by the frontend server stub is invalid or too high. It must be in the range from 0 to 8191 and the total thread storage must be less than 2 gigabyte.
Actn.	Reduce the number of threads or the thread size in the frontend server stub definitions.

**NAT9913: Server environment already initialized.**

Text	Server environment already initialized.
Expl.	The front-end server stub requested Natural to initialize the server environment, but the server environment is already initialized.
Actn.	Terminate the server environment before restarting it. Contact Software AG technical support for further problem analysis.

**NAT9914: GETMAIN for common server table failed.**

Text	GETMAIN for common server table failed.
Expl.	The Natural server environment cannot be initialized because the GETMAIN for its central control block has failed. Sufficient region storage must be available.
Actn.	Increase the region size for the Natural server. If the problem cannot be solved, contact SAG technical support for further problem analysis.

**NAT9915: GETMAIN for thread storage failed.**

Text	GETMAIN for thread storage failed.
Expl.	The Natural server environment cannot be initialized because a GETMAIN for its storage threads has failed. Sufficient region storage must be available.
Actn.	Increase the region size for the Natural server or reduce the number or the size of its storage threads in the frontend stub definitions.

**NAT9916: Error retrieving server name token. RC=:1:.**

Text	Error retrieving server name token. RC=:1:.
Expl.	The central anchor for the Natural server is an MVS name token. The retrieve request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM OS/390 Authorized Assembler Services Reference under the IEANTRT macro call description.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9917: Error creating server name token. RC=:1:.**

Text	Error creating server name token. RC=:1:.
Expl.	The central anchor for the Natural server is an MVS name token. The create request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM OS/390 Authorized Assembler Services Reference under the IEANTCR macro call description.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9918: Error deleting server name token. RC=:1:.**

Text	Error deleting server name token. RC=:1:.
Expl.	The central anchor for the Natural server is an MVS name token. The delete request for the name token has failed with the decimal return code shown in the message. The explanation of the return code can be found in the IBM OS/390 Authorized Assembler Services Reference under the IEANTDL macro call description.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9919: Invalid server function code.**

Text	Invalid server function code.
Expl.	The frontend server stub called the Natural server with an invalid server function code.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9920: Roll server not active. SUBSID=:1:.**

Text	Roll server not active. SUBSID=:1:.
Expl.	The Natural server environment requires the Natural roll server for running multiple server sessions within a limited number of storage threads. Either there is no roll server started for the specified Natural subsystem ID or the SUBSID profile parameter is incorrectly or dynamically specified in the Natural parameter module.
Actn.	Start the Natural roll server for the subsystem ID or set the SUBSID profile parameter correctly or use SUBSID=' ' to run without a roll server or specify this in the frontend server stub definitions.

**NAT9921: Server environment not initialized.**

Text	Server environment not initialized.
Expl.	The frontend server stub called Natural with a server function code other than 'initialize server' and the Natural server environment is in uninitialized state.
Actn.	Restart the frontend server stub to reset its state completely. Contact SAG technical support for further problem analysis.

**NAT9922: The initialization session cannot be rolled.**

Text	The initialization session cannot be rolled.
Expl.	The frontend server stub requested a session create, roll-out or roll-in server function while the Natural server was initializing. During the server initialization phase these server functions are not allowed.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9923: No server clone session available.**

Text	No server clone session available.
Expl.	The frontend server stub requested a session create but the clone session had not been saved yet.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9924: Session ID missing or invalid.**

Text	Session ID missing or invalid.
Expl.	The Natural server session ID is a unique internal ID to identify a Natural session. The frontend server stub passed either no session ID or a hexadecimal null session ID which is not allowed or the session ID had been modified.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9925: Session ID already exists.**

Text	Session ID already exists.
Expl.	The front-end server stub requested a 'session create', but a session with the same session ID already exists and is ready to run.
Actn.	Contact Software AG technical support for further problem analysis.

**NAT9926: Session not in rolled-in status.**

Text	Session not in rolled-in status.
Expl.	The frontend server stub requested a session roll-out, execute or save clone function, but the session is not in rolled-in state.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9927: Session not in rolled-out status.**

Text	Session not in rolled-out status.
Expl.	The frontend server stub requested a session roll-in function, but the session is not in rolled-out state.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9928: Compression failed during roll-out. RC=:1:.**

Text	Compression failed during roll-out. RC=:1:.
Expl.	The Natural thread storage compression failed. The exact reason is indicated by the decimal return code RC=00nn. It is explained in the Natural documentation.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9929: Decompression failed during roll-in. RC=:1:.**

Text	Decompression failed during roll-in. RC=:1:.
Expl.	The Natural thread storage decompression failed. The exact reason is indicated by the decimal return code RC=00nn. It's explained in the Natural documentation.
Actn.	Contact SAG technical support for further problem analysis.

**NAT9930: GETMAIN failed for roll buffer.**

Text	GETMAIN failed for roll buffer.
Expl.	During Natural session thread storage roll-out the GETMAIN request for the roll buffer failed. Sufficient region storage must be available to save the compressed session storage.
Actn.	Increase the region size for the Natural server or use the Natural roll server as roll facility.

**NAT9931: The AUTOTERM facility cannot be initialized.**

Text	The AUTOTERM facility cannot be initialized.
Expl.	In a Natural server environment, the automatic server termination facility helps to avoid problems caused by an unintended DETACH of the server initialization TCB (e.g. MVS abends A03, no server resource cleanup etc.). The AUTOTERM facility cannot be initialized due to storage protection problems.
Actn.	Disable the AUTOTERM facility in the frontend server stub definitions or contact SAG technical support for further problem analysis.

**NAT9932: Natural runtime error occurred - :1:.**

Text	Natural runtime error occurred - ....
Expl.	During the execution of a Natural server session the indicated Natural runtime error occurred.
Actn.	Check the complete runtime error message issued by Natural. It can be found either in the return data on the client side or in the Natural standard output dataset of the server.

**NAT9933: Roll server ALLOCATE request failed. RC=:1:/:2:.**

Text	Roll server ALLOCATE request failed. RC=:1:/:2:.
Expl.	During session creation the ALLOCATE request for a new roll file slot failed. Sufficient roll file storage must be available. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9934: Roll server WRITE request failed. RC=:1/:2:.**

Text	Roll server WRITE request failed. RC=:1/:2:.
Expl.	During session roll-out the WRITE request to the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9935: Roll server READ request failed. RC=:1/:2:.**

Text	Roll server READ request failed. RC=:1/:2:.
Expl.	During session roll-in the READ request from the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural Documentation.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9936: Roll server FREE request failed. RC=:1/:2:.**

Text	Roll server FREE request failed. RC=:1/:2:.
Expl.	During session termination the FREE request to the Natural roll server failed. The reason for the failure is indicated by the decimal return/reason codes. These are explained in the Natural documentation.
Actn.	If you cannot find the reason for the problem and correct it, contact SAG technical support for further problem analysis.

**NAT9937: Server I/O subtask cannot be started. RC=:1/:2:.**

Text	Server I/O subtask cannot be started. RC=:1/:2:.
Expl.	In the Natural server environment, the whole I/O handling is done by a separate MVS subtask, started during server initialization. The ATTACH request for the I/O subtask failed. The reason for the failure is indicated by RC=:1/:2:, where :1: is the decimal return code of the internal function code :2:.
Actn.	Contact Software AG technical support for further problem analysis.