

NETP* - Simple Connection Line Driver Operator Messages

The following are the categories used for operator messages for the Simple Connection Line Driver:

Message Range	Description
NETP000- NETP099	Non-API-related messages
NETP500 - NETP599	Connectivity Systems API-specific messages
NETP600 - NETP699	HPS API-specific messages
NETP700 - NETP799	OES API-specific messages
NETP800 - NETP899	Simple Connection Line Driver-specific messages

The messages are:

Overview of Messages

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NETP040I | NETP041W | NETP042W | NETP043I | NETP044I | NETP046W |
NETP047I | NETP048I | NETP060I | NETP061I | NETP062I | NETP063I |
NETP065I | NETP066I | NETP067I | NETP502W | NETP509E | NETP511W |
NETP512W | NETP521W | NETP522W | NETP531W | NETP532W | NETP541W |
NETP542W | NETP551W | NETP552W | NETP561W | NETP562W | NETP571W |
NETP572W | NETP581W | NET0582W | NETP600I | NETP601I | NETP602E |
NETP603E | NETP604E | NETP605W | NETP606I | NETP610E | NETP611E |
NETP612E | NETP613E | NETP614E | NETP615E | NETP616E | NETP617W |
NETP618W | NETP620W | NETP621E | NETP622E | NETP623W | NETP624W |
NETP630E | NETP631I | NETP632I | NETP633I | NETP634I | NETP635I |
NETP700I | NETP701I | NETP702E | NETP703E | NETP704E | NETP705W |
NETP706I | NETP707E | NETP710E | NETP711E | NETP712E | NETP713E |
NETP714E | NETP715E | NETP716E | NETP717W | NETP718W | NETP719W |
NETP720W | NETP721E | NETP722E | NETP723W | NETP724W | NETP730E |
NETP731I | NETP732I | NETP733I | NETP734I | NETP735I | NETP800I |
NETP801E | NETP802E | NETP803I | NETP804I | NETP805E | NETP806E |
NETP807E | NETP808E | NETP818I | NETP819I

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NETP040I LINK // HAS RESUMED PROCESSING

Explanation Link //, which was previously suspended, has resumed processing as a result of the RESUME command.

User Action None.

Module NWTCPGPC

NETP041W PROCESSING ON LINK *////////* HAS BEEN SUSPENDED

Explanation Message processing has been suspended on link *////////* as a result of the SUSPEND command.

User Action Issue the RESUME command to restart message processing when appropriate.

Module NWTCPOPC

NETP042W INCORRECT LINK SPECIFIED IN COMMAND

Explanation An operator command was issued, however, the value specified for the link name was not "*", "#" or a valid link name. The command is ignored.

User Action Reissue the command with a correct link name or a wild card value.

Module NWTCPOPC

NETP043I TCP/IP COMMAND(S) ACCEPTED

Explanation An operator command was issued. The command passed initial parsing, that is, each subcommand was processed. The success or failure of a subcommand is independent of this message being issued.

User Action None.

Module NWTCPOPC

NETP044I LINK *////////* STATISTICS *xxxxxxx*

Explanation Statistics for link *////////* or the TCPI driver have been either printed or reset, as indicated by *xxxxxxx*.

User Action None.

Module NWTCPOPC

NETP046W LINK ##### NOT ALTERED, BAD CONFIGURATION PARAMETERS

Explanation An attempt to alter the active configuration for link ##### or the TCPI driver has failed due to invalid parameter specifications in the command TCPI ##### ALTER xxxx, where ##### is a link name or a wildcard value and xxxx is one or more configuration keywords and parameters. The cause of the problem may be one of the following:

- A parameter specification contains a typographical or format error that makes the specification invalid.
- A value specified as the operand for a specific keyword is out of range, of incorrect format, or otherwise invalid.
- A keyword that is valid only when the link or driver is closed was specified when the link or driver was open.

User Action If a keyword that is valid only when the link or driver is closed was specified, close the link or driver and reissue the command. Be aware that if the value specified for the RESTART parameter is too low, the link or driver may be automatically reopened after the CLOSE command is issued and before the ALTER command can be rekeyed. To prevent this, specify CLOSE (CL) in the command string immediately before the subcommand ALTER. For example:

```
TCPI linkname CL ALTER INETADDR=(127,0,0,1)
```

If the specified keywords are valid for the current state of the link or driver, verify that the keywords are spelled correctly, that all punctuation is correct, and that the operands are valid.

Module NWTCPGPC

NETP047I LINK ##### HAS BEEN MANUALLY xxxxxx

Explanation A TCPI command was issued to one or more links or to the TCPI driver, and the action identified by xxxxxx was taken as a result.

User Action None.

NETP048I LINK *////////* xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Explanation This message is issued in response to an operator command that was sent to link or driver *////////*. The link or driver name is followed by informational message text, which is one of the following:

Invalid State For Cmnd - The driver or link was in an invalid state (open) for the command to be executed.

Configuration Altered - The driver or link configuration was successfully updated.

Manual Open Failed - Open processing failed.

Connect In Progress - Connect processing for the link has been initiated.

Disconnect In Progress - Disconnect processing for the link has been initiated.

User Action No action is required unless the message is 'Invalid State For Cmnd'. If so, wait for the link or driver to go into the proper state; then reissue the command, if appropriate.

Module NWTCPOPC

NETP060I -----CONFIGURATION FOR LINK *////////*-----
 ADJHOST(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)
 INETADDR(xxx.xxx.xxx.xxx) LILNODE(xxxxxxx)
 MULTSESS(x) PSTATS(x)
 RSTATS(x) SAF(x) SENDTIME(xxxxxxx)
 STATINT(xxxxxxx) TRACESIZ(xxxxxxx)
 IP Version 6 address=xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx

Explanation This multi-line display shows the current configuration for link *////////*. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been modified manually, or if they have been modified internally as a result of being out of range. For example, the last line appears only if IP Version 6 is in use.

User Action None.

Module NWTCPOPC

NETP061I LINK *////////* STATE(xxxxxxxxxxxx) MSGS SENT(xxxxxx)

Explanation The current state of link or driver *////////* is displayed with a count of messages sent and received. The message counts are for the period of time since the driver was opened, the link connected, or the statistics reset for either the driver or the link.

This message is automatically produced as a result of a command being issued to a link or driver while the link or driver was in an incorrect state for the command or as a result of a TCPI *////////* STATUS command being issued.

User Action None.

Module NWTCPOPC

NETP062I CONFIGURATION FOR DRIVER *dddd*
 ACCEPTUI(x) API(xxx) APITRACE(x,x,x,x,x,x,x,x,x)
 CONNQUE(xxxxx) DRVNAME(xxxxx)
 PSTATS(x) RESTART(xxxxx,xxxxx) RSTATS(x)
 SERVERID(xxxxx) STATINT(xxxxxxx) SUBSYS(xxx)
 TRACE(xxx) TRACELEV(x,x,x,x,x,x,x,x,x) TRACESIZ(xxxxxxx)
 MULTSESS (x) USERID(xxxxxxxxx)
 OPTIONS1(xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx
 xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx)
 OPTIONS2(xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx)
 IP VERSION 6 ALLOWED=x, SUPPORTED=x
 CURRENT SIZE OF CLIENT TABLE xxx

Explanation This multi-line display shows the current configuration for driver *dddd*. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been manually modified or if they have been modified internally as a result of being out of range.

Note:

The client table size is initially determined by the NUMUSERS parameter setting.

User Action None.

Module NWTCPOPC

NETP063I STATISTICS FOR LINK *////////* OR DRIVER *ddddddd*

Explanation

```

+-----+
(a) + Statistics For Link XXXXXXXX Period xxxx:xx:xx (xxxxxxx.xxx Secs) +
+ ----- ---Bytes--- --Messages-- -Api Calls-- ----- +
(b) + Writes          xxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx Total    +
(c) + xxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx Per Second  +
(d) + Reads          xxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx Total    +
(e) + xxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx Per Second  +
+ ----- ---Total--- ---Task--- ---Other--- ----- +
(f) + WRITE Cmds    xxxxx,xxx,xxx xxxxx,xxx,xxx xxxxx,xxx,xxx Total    +
(g) +              xxxxx.xxx.xxx xxxxx,xxx,xxx Xxxxx,xxx,xxx Per Second +
(h) + REAC Cmds    xxxxx,xxx,xxx xxxxx,xxx,xxx xxxxx,xxx,xxx Total    +
(i) +              xxxxx,xxx,xxx xxxxx,xxx,xxx Xxxxx,xxx,xxx Per Second +
+-----+

```

This multi-line display is produced when the command TCPI xxxx STATS is issued, or when the automatic statistics interval has expired and PSTATS=Y is specified in the LINK statement. Values are displayed and updated asynchronously; therefore, the totals displayed may not always be accurate.

The display contains the following information:

Line (a)	The name of the link or driver and the time period in hours:minutes:seconds and seconds:milliseconds since the last time statistics were reset or a link was connected (if applicable).
Line (b)	Shows the cumulative number of bytes and messages written and the cumulative number of write API calls.
Line (c)	Shows the average number of bytes and messages written and the average number of write API calls per second.
Line (d)	Shows the cumulative number of bytes and messages read and the cumulative number of read API calls.
Line (e)	Shows the average number of bytes and messages read and the average number of read API calls per second.
Line (f)	Shows the cumulative number of WRITE commands that occurred. The total number of WRITES is equal to the number of WRITES from the Entire Net-Work task plus the number of WRITES from asynchronous routines.
Line (g)	Shows the average number of WRITE commands that occurred per second. The total average WRITES is equal to the average of WRITES from the Entire Net-Work task plus the average of WRITES from asynchronous routines.
Line (h)	Shows the cumulative number of READ commands that occurred. The total number of READs is equal to the number of READs from the Entire Net-Work task plus the number of READs from asynchronous routines.
Line (i)	Shows the average number of READ commands that occurred per second. The total average READs is equal to the average of READs from the Entire Net-Work task plus the average of READs from asynchronous routines.

User Action None.

Module NWTCPGPC

NETP065I ACTIVE USERS FOR *type name*

Explanation This multi-line display is produced when you issue the USERS operator command for the Simple Connection Line Driver. The *type* in the message indicates whether the statistics listed in the output are for a driver or a link. The *name* in the message indicates the name of the driver or link to which the statistics apply.

This is a sample of the output that will appear when issued to the driver:

```
NETP065I: Active Users For Driver TCPX
NETP065I: ----- Client ID      1 -----
NETP065I: Active on Link TCX00001 TCP/IP address 10.132.33.48
NETP065I: Adabas Userid:
NETP065I: Char(          NET-WORKS   NORGAY      )
NETP065I: Hex(01210000 00000000 D5C5E360 E6D6D9D2 E22B0001 D2C5D5E3 40404040)
NETP065I: Context ID(E22B0001) Context Verifier(01000000)
NETP065I: Number of requests processed          1
NETP065I:      1 Active Users printed
```

This is a sample of the output that will appear when issued to a link:

```
NETP065I: Active Users For Link TCX00001 TCP/IP address 10.132.33.48
NETP065I: ----- Client ID      1 -----
NETP065I: Adabas Userid:
NETP065I: Char(          NET-WORKS   NORGAY      )
NETP065I: Hex(01210000 00000000 D5C5E360 E6D6D9D2 E22B0001 D2C5D5E3 40404040)
NETP065I: Context ID(E22B0001) Context Verifier(01000000)
NETP065I: Number of requests processed          1
NETP065I:      1 Active Users printed
```

User Action None.

Module NWXTSOPC

NETP066I -----CONFIGURATION FOR LINK *lllllll*-----
ADJHOST(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)
ADJNODE(xxxxxxx) **INETADDR**(xxx.xxx.xxx.xxx)
KEEPALIV(x) **MULTSESS**(x) **PSTATS**(x)
RSTATS(x) **SAF**(x) **SENDTIME**(xxxxxxx)
STATINT(xxxxxxx) **TRACESIZ**(xxxxxxx)

Explanation This multi-line display shows the current configuration for the Simple Connection Line Driver link *lllllll*. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been modified manually, or if they have been modified internally as a result of being out of range.

User Action None.

Module NWXTSOPC

NETP067I **CONFIGURATION FOR DRIVER TCPX**
ACCEPTUI(x) API(api) APITRACE(x,x,x,x,x,x,x,x,x)
CONNQUE(n) DRVCHAR(x) DRVNAME(name) KEEPALIV(x)
MULTSESS(x) PSTATS(x) RESTART(yyyyy,yyyyy) RSTATS(x)
SERVERID(serverid) STATINT(seconds) SUBSYS(subsys)
TRACE(x) TRACELEV(x,x,x,x,x,x,x,x,x) TRACESIZ(bytes)
USERID(userid)
OPTIONS1(yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy
yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy)
OPTIONS2(yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy,yyyyyyyy)
IP VERSION 6 ALLOWED=x, SUPPORTED=x
CURRENT SIZE OF CLIENT TABLE (NUMUSERS)n

Explanation This multi-line display shows the current configuration for the Simple Connection Line Driver. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been manually modified or if they have been modified internally as a result of being out of range.

Note:

The client table size is initially determined by the NUMUSERS parameter setting.

User Action None.

Module NWXTSOPC

NETP502W **UNABLE TO ALLOCATE CONNECT QUEUE ENTRY**

Explanation All connect queue entries are in use.

User Action The number of connect queue entries is specified by the CONNQUE parameter on the DRIVER statement. Increase the value of this parameter to accommodate the maximum number of simultaneous connection requests from remote nodes.

NETP509E **ERROR OCCURRED OBTAINING OR FREEING STORAGE**

Explanation An error occurred when attempting to obtain or release virtual storage. This error usually occurs because there is insufficient storage in the region to satisfy the obtain or one of the buffer pools is not large enough to satisfy the storage request.

User Action Check the buffer pool statistics by issuing the DISPLAY STATS operator command. If necessary, increase the size of the buffer pools. Otherwise, increase the private area size of the region to allow storage requests that are not allocated from buffer pools to properly complete.

Module NWTCP CNS

NETP511W TCP API ERROR ON LISTEN - RC = xxxx

Explanation There was an error in acquiring storage to perform a passive OPEN call to the TCP/IP partition. RC = 4 indicates a problem acquiring partition GETVIS storage. RC = 16 indicates a problem acquiring SVA GETVIS storage.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWVSESTK

NETP512W TCP RETURNED LISTEN ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a passive OPEN(Listen) call.

User Action Report the error to your Software AG technical support representative.

Module NWVSESTK

NETP521W TCP API ERROR ON CONNECT - RC = xxxx

Explanation There was an error in acquiring storage to perform an OPEN call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPNS

NETP522W TCP RETURNED CONNECT ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on an OPEN call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPNS

NETP531W TCP API ERROR ON SEND - RC = xxxx

Explanation There was an error in acquiring storage to perform a SEND call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPDNS

NETP532W TCP RETURNED SEND ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a SEND call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP541W TCP API ERROR ON RECEIVE - RC = xxxx

Explanation There was an error in acquiring storage to perform a RECEIVE call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPDNS

NETP542W TCP RETURNED RECEIVE ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a RECEIVE call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP551W TCP API ERROR ON DISCONNECT - RC = xxxx

Explanation There was an error in acquiring storage to perform an CLOSE call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPDNS

NETP552W TCP RETURNED DISCONN ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a CLOSE call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP561W TCP API ERROR ON OPEN - RC = xxxx

Explanation There was an error in acquiring storage to perform an OPEN CONTROL call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. For RC=8, correct the value of the USERID parameter on the DRIVER statement to match the ID= subparameter of the PARM field for an active TCP/IP stack. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPDNS

NETP562W TCP RETURNED OPEN ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on an OPEN CONTROL call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP571W TCP API ERROR ON CLOSE - RC = xxxx

Explanation There was an error in acquiring storage to perform a CLOSE,CONTROL call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module NWTCPDNS

NETP572W TCP RETURNED CLOSE ERROR - RC = xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a CLOSE CONTROL call.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP581W TCP API ERROR ON RESOLVE - RC = xxxx

Explanation An error was received while executing a call to resolve the host name or address. RC is the contents of Register 15 on return from the call. For more information, see the appropriate VSE documentation.

User Action The action to take depends on the return code (RC=), as shown in the following table:

RC=4	Increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible.
RC=8	Correct the value of the USERID parameter on the DRIVER statement to match the ID= subparameter of the PARM field for an active TCP/IP stack.
RC=16	Provide additional allocation in the system GETVIS area in the SVA.
Any other value	Contact your Software AG technical support representative.

Module NWTCPDNS

NET0582W TCP RETURNED RESOLVE ERROR - RC=xxxx

Explanation RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a call to resolve the host name or address.

User Action Report the error to your Software AG technical support representative.

Module NWTCPDNS

NETP600I xxxxxxxx ERROR NUMBER nnnnn SOCKET sssss

Explanation A call to the IBM TCP/IP HPS API failed for function xxxxxxxx. The error number nnnnn provides the reason the failure and sssss is the socket where the failure occurred. This message provides diagnostic information about a previous error message. It may also be followed by a NETP601I message that explains the error number.

User Action Locate message NETP601I for a description of the error number.

Module NWTCPPHS

NETP601I variable text message

Explanation This message describes the error number provided in message NETP600I.

User Action Try to eliminate the condition that caused the message.

Module NWTCPPHS

NETP602E INVALID FUNCTION REQUESTED

Explanation An invalid request was made to the API.

User Action Contact your Software AG technical support representative.

Module NWTCPPHS

NETP603E TCP/IP FAILED TO LOAD

Explanation An attempt to load a required module for TCP/IP failed. The driver and all links using this API will be unusable. This is most likely caused by TCP/IP not being correctly installed. It could also be caused by a short-on-storage condition or an I/O error.

User Action Check the joblog and syslog for any additional messages, such as operating system messages, that may provide a reason for the problem.

Module NWTCPPHS

NETP604E UNABLE TO ALLOCATE STORAGE FOR SCT

Explanation An attempt to allocate storage for a required control block failed. The control block is needed for the driver and all active links using the API. Only the new link being connected to or the new driver being opened is affected. All active links and drivers continue to run as long as the storage shortage does not cause other problems with Entire Net-Work.

User Action Look for other messages indicating storage problems and perform any recommended action.

Module NWTCPHPS

NETP605W UNABLE TO CLOSE SOCKET

Explanation An error occurred while trying to close a socket used for a connection. The Entire Net-Work connection is closed, but the socket is not usable for future connections.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPHPS

NETP606I HPS DRIVER CLOSED

Explanation A TCP/IP driver using API=HPS has been closed.

User Action None required. This message is informational only.

Module NWTCPHPS

NETP610E INVALID OPERATING SYSTEM FOR API=HPS

Explanation API=HPS was specified for a driver on a system that does not support it. MVS is currently the only operating system that supports this API.

User Action Specify a valid API for the system and the TCP/IP stack that you are running.

Module NWTCPHPS

NETP611E UNABLE TO INITIALIZE TCP/IP INTERFACE

Explanation An INITAPI function call was made to TCP/IP and failed. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPHPS

NETP612E UNABLE TO GET A SOCKET

Explanation A call made to TCP/IP to get a new socket failed. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information. You may need to adjust some TCP/IP parameters to allow for more sockets.

Module NWTCPPHS

NETP613E UNABLE TO BIND SOCKET TO LOCAL SYSTEM

Explanation A BIND function call to TCP/IP failed. The BIND function tells TCP/IP which port to listen on, as well as any restrictions on who can connect to this port. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP614E UNABLE TO DETERMINE MAXIMUM SENDMSG SIZE

Explanation A GETSOCKOPT function call to TCP/IP failed. The GETSOCKOPT function is used to determine the maximum message size that can be sent. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP615E UNABLE TO SET LISTEN OPTIONS

Explanation A LISTEN function call to TCP/IP failed. The LISTEN function is used to set the number of connection requests that can be queued. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP616E UNABLE TO LISTEN FOR NEW CONNECTIONS

Explanation An ACCEPT function call to TCP/IP failed. The ACCEPT function waits for a connection request and returns a socket to be used for the new conversation. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP617W UNABLE TO ALLOCATE CONNECT QUEUE ENTRY

Explanation The connection request was rejected because there was no connect queue entry available to process the request.

User Action Increase the value of the CONNQUE parameter on the DRIVER statement.

Module NWTCPPHS

NETP618W UNABLE TO SETSOCKOPT KEEPALIVE OPTION

Explanation A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the KEEPALIV parameter on the TCP/IP DRIVER and LINK statements. If KEEPALIV=YES, a message is sent periodically to verify that a connection is still active. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information. To disable this function, specify KEEPALIV=NO on the DRIVER and LINK statements.

Module NWTCPPHS

NETP620W UNABLE TO CONNECT TO REMOTE SYSTEM

Explanation A CONNECT function call to TCP/IP failed. The CONNECT function is used to connect to a remote Entire Net-Work node. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information. Make sure that the remote Entire Net-Work node is running and is accepting connections from this node.

Module NWTCPPHS

NETP621E UNABLE TO SENDMSG TO REMOTE SYSTEM

Explanation A SENDMSG function call to TCP/IP failed. The SENDMSG function is used to send a data packet to a remote Entire Net-Work node. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP622E UNABLE TO RECV DATA FROM REMOTE SYSTEM

Explanation A RECV function call to TCP/IP failed. The RECV function is used to receive a data packet from a remote Entire Net-Work node. This call waits for incoming data before returning to Entire Net-Work. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information.

Module NWTCPPHS

NETP623W UNABLE TO DETERMINE TCP/IP ADDRESS

Explanation A GETHOSTBYNAME function call to TCP/IP failed. This type of function is used to determine the TCP/IP address of an Entire Net-Work node that used the ADJHOST parameter to specify the name. NETP600I will provide an error number that indicates why it failed.

User Action Locate messages NETP600I and NETP601I for additional information. Make sure the name specified on ADJHOST parameter is correct and that this name is in the hosts file or domain name server. Read about the ADJHOST parameter

Module NWTCPPHS

NETP624W UNABLE TO DETERMINE HOST NAME FROM ADDRESS

Explanation A GetHostByAddr function call to TCP/IP failed, probably because the host name address was not defined in the DNS (Domain Name Service). The GetHostByAddr call is used to determine the name of a connecting IP address when ADJHOST has been specified on a LINK statement.

User Action Add the host name and IP address to your domain name server.

Module NWTCPPHS

NETP630E ASYNC EXIT ENTERED FOR UNKNOWN ROUTINE

Explanation This message indicates an internal logic error in the HPS API.

User Action Issue the TRACE and SNAP operator commands for the line driver.

For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module NWTCPHPS

NETP631I ASYNC EXIT ENTERED FOR TCP/IP TERMINATION

Explanation TCP/IP is being terminated on the local system. All connections using this driver will be disconnected. This is an informational message and does not indicate an error in Entire Net-Work.

User Action Determine why the TCP/IP address space is being terminated.

Module NWTCPHPS

NETP632I ASYNC EXIT ENTERED FOR LINK TERMINATION

Explanation TCP/IP has terminated the connection for this link. Therefore, the link is no longer active.

User Action Look for other messages on both the local and remote systems that will help you determine why the link was terminated.

Module NWTCPHPS

NETP633I ASYNC EXIT ENTERED FOR PREVIOUS ABEND

Explanation The asynchronous exit abended processing a previous TCP/IP function. This message indicates an internal logic error in the HPS API.

User Action Issue the TRACE and SNAP operator commands for this driver.

For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module NWTCPHPS

NETP634I ASYNC EXIT ENTERED FOR UNKNOWN REASON

Explanation This message indicates an internal logic error in the HPS API.

User Action Issue the TRACE and SNAP operator commands for this driver. For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module NWTCPHPS

NETP635I ASYNC EXIT ENTERED WITH INVALID SCT TOKEN

Explanation The asynchronous exit was entered without a required token. This message indicates an internal logic error in the HPS API.

User Action Issue the TRACE and SNAP operator commands for this driver. For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module NWTCPHPS

NETP700I xxxxxxxx ERROR NUMBER nnnnnn REASON rrrrrrrr SOCKET sssss
xxxxxxxx AIOCB ERRNUM nnnnnn REASON rrrrrrrr SOCKET sssss

Explanation A call to the IBM TCP/IP stack failed for function xxxxxxxx. The error number nnnnnn and the reason code rrrrrrrr indicate the reason the call failed, while sssss is the socket that the function failed on. This message provides diagnostic information about a previous error message. This message may also be followed by a NETP701I message that explains the error number and reason codes.

User Action Locate message NETP701I for a description of the error number. Refer to the IBM documentation for an explanation of the error number and the reason code.

Module NWTCPOES

NETP701I variable text message

Explanation The text of this message describes the error number from message NETP700I.

User Action Eliminate if possible the condition that caused this message.

Module NWTCPOES

NETP702E INVALID FUNCTION REQUESTED

Explanation An invalid request was made to this API.

User Action Contact your Software AG technical support representative

Module NWTCPOES

NETP703E TCP/IP FAILED TO LOAD

Explanation An attempt to load a required module for TCP/IP failed. The driver and all links using this API will be unusable. This is most likely caused by TCP/IP not being correctly installed. It could also be caused by a short on storage condition or an I/O error.

User Action Check the joblog and syslog for any additional messages that may indicate a reason for the problem. These messages may be operating system messages.

Module NWTCPOES

NETP704E UNABLE TO ALLOCATE STORAGE FOR SCT

Explanation An attempt to allocate storage for a required control block failed. This control block is needed for the driver and all active links using this API. Only the new link being connected or the new driver being opened are affected. All active links and drivers will continue to run as long as the storage shortage does not cause other problems with Entire Net-Work

User Action Look for other messages indicating storage problems and perform any action recommended.

Module NWTCPOES

NETP705W UNABLE TO CLOSE SOCKET

Explanation An error occurred trying to close a socket used for a connection. The Entire Net-Work connection is closed, but this socket will be unusable for a future connection.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP706I OES DRIVER CLOSED

Explanation A TCP/IP driver using API=OES has been closed. This is an informational message and does not indicate an error.

User Action None

Module NWTCPOES

NETP707E OES Driver requires APF authorization

Explanation This message indicates that Entire Net-Work is not APF authorized. APF authorization is required in order to use the API=OES.

User Action Provide APF authorization for all load libraries in the Entire Net-Work STEPLIB.

Module NWTCPOES

NETP710E INVALID OPERATING SYSTEM FOR API=OES

Explanation API=OES was specified for a driver on a system that does not support it. Currently OS390 is the only operating system that supports this API.

User Action Specify a valid API for the system and TCP/IP stack you are running.

Module NWTCPOES

NETP711E UNABLE TO INITIALIZE TCP/IP INTERFACE

Explanation An Open Edition call to DUB the TCB failed. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP712E UNABLE TO GET A SOCKET

Explanation A call made to TCP/IP to get a new socket failed. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information. Some adjusting of parameters for TCP/IP may need to be done to allow for more sockets.

Module NWTCPOES

NETP713E UNABLE TO BIND SOCKET TO LOCAL SYSTEM

Explanation A BIND function call to TCP/IP failed. The BIND function is used to tell TCP/IP what port to listen on and what restrictions apply, i.e., who can connect to this port. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP714E UNABLE TO DETERMINE MAXIMUM SENDMSG SIZE

Explanation A GETSOCKOPT function call to TCP/IP failed. The GETSOCKOPT function is used to determine the maximum message size that can be sent. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP715E UNABLE TO SET LISTEN OPTIONS

Explanation A LISTEN function call to TCP/IP failed. The LISTEN function is used to set the number of connection requests that can be queued. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP716E UNABLE TO LISTEN FOR NEW CONNECTIONS

Explanation An ACCEPT function call to TCP/IP failed. The ACCEPT function waits for a connection request and returns a socket to be used for the new conversation. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP717W UNABLE TO ALLOCATE CONNECT QUEUE ENTRY

Explanation A connect queue entry is needed to process a connection request and none is currently available. The connection request is rejected.

User Action Increase the value of the CONNQUE parameter on the DRIVER statement.

Module NWTCPOES

NETP718W UNABLE TO SETSOCKOPT KEEPALIVE OPTION

Explanation A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the KEEPALIVE option in TCP/IP. KEEPALIVE is a TCP/IP option that regularly sends a message to verify that a connection is still active. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information. Set KEEPALIVE=NO parameter on driver and link statements to disable this function.

Module NWTCPOES

NETP719W UNABLE TO SETSOCKOPT REUSEADDR OPTION

Explanation A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the REUSEADDR option in TCP/IP so that a socket can be reused immediately after being closed.

User Action Locate messages NETP700I and NETP701I for additional information. .

Module NWTCPOES

NETP720W UNABLE TO CONNECT TO REMOTE SYSTEM

Explanation A CONNECT function call to TCP/IP failed. The CONNECT function is used to connect to a remote Entire Net-Work node. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information. Make sure that the remote Entire Net-Work node is running and is accepting connections from this node.

Module NWTCPOES

NETP721E UNABLE TO SENDMSG TO REMOTE SYSTEM

Explanation A SENDMSG function call to TCP/IP failed. The SENDMSG function is used to send a data packet to a remote Entire Net-Work node. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP722E UNABLE TO RECV DATA FROM REMOTE SYSTEM

Explanation A RECV function call to TCP/IP failed. The RECV function is used to receive a data packet from a remote Entire Net-Work node. This call waits for incoming data before returning to Entire Net-Work. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information.

Module NWTCPOES

NETP723W UNABLE TO DETERMINE TCP/IP ADDRESS

Explanation A GETHOSTBYNAME function call to TCP/IP failed. The GETHOSTBYNAME function is used to determine the TCP/IP address of an Entire Net-Work node that used the ADJHOST parameter to specify the name. NETP700I will provide an error number that indicates why it failed.

User Action Locate messages NETP700I and NETP701I for additional information. Make sure that the name specified on ADJHOST parameter is correct and that this name is in the hosts file or domain name server. Read about the ADJHOST parameter

Module NWTCPOES

NETP724W UNABLE TO DETERMINE HOST NAME FROM ADDRESS

Explanation A GetHostByAddr function call to TCP/IP failed, probably because the host name address was not defined in the DNS (Domain Name Service). The GetHostByAddr call is used to determine the name of a connecting IP address when ADJHOST has been specified on a LINK statement.

User Action Add the host name and IP address to your domain name server.

Module NWTCPOES

NETP730E ASYNC EXIT ENTERED FOR UNKNOWN ROUTINE

Explanation This message indicates an internal logic error in the OES API.

User Action Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module NWTCPOES

NETP731I ASYNC EXIT ENTERED FOR TCP/IP TERMINATION

Explanation TCP/IP is being terminated on the local system. All connections using this driver will be disconnected. This is an informational message and does not indicate an error in Entire Net-Work.

User Action Determine why the TCP/IP address space is being terminated.

Module NWTCPOES

NETP732I ASYNC EXIT ENTERED FOR LINK TERMINATION

Explanation TCP/IP has terminated the connection for this link. This link is no longer active.

User Action Look for other messages on both the local and remote systems to determine why the link was terminated.

Module NWTCPOES

NETP733I ASYNC EXIT ENTERED FOR PREVIOUS ABEND

Explanation The asynchronous exit abended while processing a previous TCP/IP function. This message indicates an internal logic error in the OES API.

User Action Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module NWTCPOES

NETP734I ASYNC EXIT ENTERED FOR UNKNOWN REASON

Explanation This message indicates an internal logic error in the OES API.

User Action Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module NWTCPOES

NETP735I ASYNC EXIT ENTERED WITH INVALID SCT TOKEN

Explanation The asynchronous exit was entered without a required token. This message indicates an internal logic error in the OES API.

User Action Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module NWTCPOES

NETP800I ACT ARRAY ALLOCATED AT xxxxxxxx

Explanation The Simple Connection Line Driver's Active Client Table (ACT) array was allocated at the indicated address. This message is issued at initialization, and also if the ACT array is expanded.

User Action None required. This message is informational only.

Module NETTCPX, NXTSRV

NETP801E ACT ALLOCATION ERROR; NO FREE ENTRIES

Explanation Allocation of a client control block failed. Possible causes are:

- shortage of storage
- exceeding the total number of clients allowed (32767)
- internal error

User Action Increase storage or limit the number of clients.

Module NXTSRV

NETP802E ERROR FREEING ACT; ARRAY AND ELEMENT MISMATCH

Explanation An internal error occurred when attempting to free a client control block.

User Action Contact your Software AG technical support representative.

Module NETTCPX

NETP803I MAXIMUM NUMBER OF CLIENTS INCREASED TO xxxxx

Explanation The Active Client Table (ACT) array has been increased because it was full and a new client attempted to initialize. The table is increased by 50% of its current size.

User Action If this message occurs frequently, increase NUMUSERS to minimize expansions.

Module NXTSRV

**NETP804I MSG RECEIVED FROM UNKNOWN CLIENT; CONTEXTID xxxxxxxx,
CONTEXTV xxxxxxxx**

Explanation Each incoming request is validated against that client's current information. This message is issued if there was a mismatch or the client was not found.

User Action Collect traces on the client and server side and contact your Software AG technical support representative.

Module NETTCPX

NETP805E INTERNAL ERROR, UNABLE TO CONVERT MESSAGE

Explanation An error occurred when converting the message to Entire Net-Work's MHDR format. The probable cause is a shortage of storage.

User Action If increasing storage does not resolve the error, contact your Software AG technical support representative.

Module NETTCPX

NETP806E INVALID NUMUSERS VALUE, SETTING TO DEFAULT OF 100

Explanation An invalid value was specified for NUMUSERS. Entire Net-Work sets NUMUSERS to 100 and continues to initialize.

User Action Correct the NUMUSERS value.

Module NETTCPX

NETP807E CONNECT COMMAND NOT ALLOWED WITH TCPX DRIVER

Explanation The CONNECT command is not allowed with the Simple Connection Line Driver. Connect processing is handled automatically when a client initiates.

User Action None required. This message is informational only.

Module NETTCPX

NETP808E CLIENT *xxxxx* IS NO LONGER ACTIVE; UNABLE TO SEND REPLY

Explanation Client *xxxxx* was terminated before the current reply could be sent back, where *xxxxx* is the ACT index and the rightmost two bytes of the Context ID in the A1 message header. This can happen if the client times out or otherwise terminates while Entire Net-Work is processing a reply for that client.

User Action If the client did not legitimately time out or terminate, obtain traces and contact your Software AG technical support representative.

Module NETTCPX

NETP818I LINK *link* CONNECTED TO ADDRESS *nnn.nnn.nnn.nnn*

Explanation The link named in the message was successfully connected to the partner TCP/IP address named in the message.

This message is issued for TCPX links in place of NET0110. It is written only to DDPRINT/NETPRNT, not the console.

Normal processing continues and the newly connected link can be used for message traffic.

User Action None required. This message is informational only.

NETP819I LINK *link* DISCONN. FROM ADDRESS *nnn.nnn.nnn.nnn*

Explanation The link named in the message was disconnected from the partner TCP/IP address named in the message by one of the following events:

- The node terminated.
- A DISCONNECT operator command was issued.
- One of several types of link failures occurred (these link failures are described by related line driver messages)
- The partner TCP/IP address terminated the socket connection.

This message is issued for TCPX links in place of NET0107. It is written only to DDPRINT/NETPRNT, not the console.

The system continues processing without the link. If the disconnection was due to an error, other messages should indicate the cause of the disconnection.

User Action Correct the error, if required, and retry the application.