

# Natural Nucleus Error Messages NAT1801-NAT1850

## NAT1801: Memory shortage for STMT buffer - use bigger thread

Text	Memory shortage for STMT buffer - use bigger thread
Expl.	The thread or address space is not large enough for the intermediate buffers required by the Natural OPTIMIZER COMPILER.
Actn.	Use a bigger thread or region. If it proves impossible to compile online, it may be necessary to compile in batch, where more memory is available to the nucleus.

## NAT1802: Block nesting error (compiler error)

Text	Block nesting error (compiler error)
Expl.	There are too many nested blocks in the program. NOC can only handle up to 128 nested blocks. A new block starts every time a FOR, REPEAT, READ, FIND, HISTOGRAM, READ WORK, DEFINE SUBROUTINE or AT statement is encountered and ends when the loop is closed or the block is terminated.
Actn.	Try to re-arrange the program so that the number of nested blocks is reduced.

## NAT1803: Parameter error - unknown or misspelled option

Text	MCG parameter error - unknown or misspelled option
Expl.	A parameter of the OPTIONS MCG= statement has not been recognized. Currently the following options are supported: ON OFF IO MIX INDX OVFLW RANGE ZD NODBG LOOPS NOSGNTR ERRDUMP PGEN TRSTMT TRGPT TRMPT TRVDT NOSRCE TREXT CPU=/370 OPTLEV= TRACELEV= LPP= (But please consult the latest NOC doc, there may be more). Parameters are separated by commas, without spaces. e.g. OPTIONS MCG=PGEN,OPTLEV=2,TRACELEV=127
Actn.	Correct error in program.

## NAT1804: Memory shortage for generated code - use bigger thread

Text	Memory shortage for generated code - use bigger thread
Expl.	The thread, region or address space is not large enough for the buffer containing the generated code.
Actn.	Use a bigger thread or region. It may be necessary to compile in batch where more memory is available, if the program is very large.

## NAT1805: Assignment error (NOC error)

Text	Assignment error (NOC error)
Expl.	A MOVE or ASSIGN between incompatible or unknown data types has occurred.
Actn.	This is a compiler error, please call Software AG Development.

**NAT1806: Not enough memory for trace data**

Text	Memory shortage for trace record
Expl.	There is not enough memory for the trace data.
Actn.	Use a bigger thread or region, or reduce the amount of trace information by using <code>OPTIONS MCG=+PGEN</code> before the specific area to be traced and <code>OPTIONS MCG=-PGEN</code> after. Or use <code>TREXT</code> option with user exit.