

Why the Control-M job failed and ended NOT OK with a OSCOMPSTAT 129 or more?

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PRODUCT:

Control-M/Agent for UNIX and Microsoft Windows

COMPONENT:

Control-M/Agent for UNIX and Microsoft Windows

APPLIES TO:

Control-M/Agent for UNIX and Microsoft Windows

PROBLEM:

Symptoms:

- Control-M job is submitted and started executing
- However, it failed and ended NOT OK with a OSCOMPSTAT 129 (or more)
- Following error can be found in the Control-M log or TR Log of the job:

TR5100 ENDED AT <DATE AND TIME> OSCOMPSTAT 129. RUNCNT 1

CAUSE:

Control-M job is terminated by UNIX Signal

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SOLUTION:

Answer:

- The exit code from a batch job is a standard UNIX termination status
- The exit code can be displayed in a shell script by checking the "\$?" variable after executing a command.
- Typically, exit code 0 (zero) means successful completion.
- Codes 1-127 are typically generated by your job itself calling exit() with a non-zero value to terminate itself and indicate an error
- Exit codes in the range 129-255 represent jobs terminated by Unix "signals". Each type of signal has a number and the job exit code reported is the signal number plus 128. Signals can arise from within the process itself (as for SEGV, see below) or be sent to the process by the OS.
- The following table for UNIX Signal is provided as a reference only:

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Unix Signals

SIGHUP	1	Exit	Hangup
SIGINT	2	Exit	Interrupt
SIGQUIT	3	Core	Quit
SIGILL	4	Core	Illegal Instruction
SIGTRAP	5	Core	Trace/Breakpoint Trap
SIGABRT	6	Core	Abort
SIGEMT	7	Core	Emulation Trap
SIGFPE	8	Core	Arithmetic Exception
SIGKILL	9	Exit	Killed
SIGBUS	10	Core	Bus Error
SIGSEGV	11	Core	Segmentation Fault
SIGSYS	12	Core	Bad System Call
SIGPIPE	13	Exit	Broken Pipe
SIGALRM	14	Exit	Alarm Clock
SIGTERM	15	Exit	Terminated
SIGUSR1	16	Exit	User Signal 1
SIGUSR2	17	Exit	User Signal 2
SIGCHLD	18	Ignore	Child Status
SIGPWR	19	Ignore	Power Fail/Restart
SIGWINCH	20	Ignore	Window Size Change
SIGURG	21	Ignore	Urgent Socket Condition
SIGPOLL	22	Ignore	Socket I/O Possible
SIGSTOP	23	Stop	Stopped (signal)
SIGTSTP	24	Stop	Stopped (user)
SIGCONT	25	Ignore	Continued
SIGTTIN	26	Stop	Stopped (tty input)
SIGTTOU	27	Stop	Stopped (tty output)
SIGVTALRM	28	Exit	Virtual Timer Expired
SIGPROF	29	Exit	Profiling Timer Expired
SIGXCPU	30	Core	CPU time limit exceeded
SIGXFSZ	31	Core	File size limit exceeded
SIGWAITING	32	Ignore	All LWPs blocked

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Additional Information:

- Control-M Job failed and ended NOTOK because it is terminated by UNIX "Signal"
- Following example is where a Control-M Job terminated with a exit code of 129:

Error:

08/02/2013 13:12:42 TR5100 ENDED AT 20130208131242. OSCOMPSTAT 129. RUNCNT 1

Exit Code = 129 = 128 + 1

Signal Number = 1

Signal Number 1 means SIGHUP (Hang Up)

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Solutions to a Product Problem

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