



**Note: This API call is for DOS and Win16 personality only. Use Family API for portability.**

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# DOS API

Most of DOS API calls are invoked using software interrupt INT 21H. In most cases AH register are set to function number.

## DOS Interrupts

Interrupt vector	Description	Version	Notes
20H	Terminate program	1.0+	Implemented in DOS kernel
21H	Main DOS API	1.0+	Implemented in DOS kernel
22H	Program terminate address	1.0+	Return address in calling program
23H	Control-C handler address	1.0+	Default handler is in the command shell (usually COMMAND.COM)
24H	Critical error handler address	1.0+	Default handler is in the command shell (usually COMMAND.COM)
25H	Absolute disk read	1.0+	Implemented in DOS kernel, enhanced in DOS 3.31 to support up to 2 GB partitions
26H	Absolute disk write	1.0+	Implemented in DOS kernel, enhanced in DOS 3.31 to support up to 2 GB partitions
27H	Terminate and stay resident	1.0+	Implemented in COMMAND.COM in DOS 1.0, DOS kernel in DOS 2.0+
28H	Idle callout	2.0+	Called by DOS kernel when waiting for input
29H	Fast console output	2.0+	Implemented by the builtin console device driver or a replacement driver like ANSI.SYS
2AH	Networking and critical section	3.0+	Called by DOS kernel to interface with networking software
2EH	Reload transient	2.0+	Implemented in COMMAND.COM
2FH	Multiplex	3.0+	Implemented in DOS kernel and various programs (PRINT, MSCDEX, DOSKEY, APPEND, etc.) depending on subfunction number

## DOS API

Process manager	<a href="#">INT 20H</a> , <a href="#">INT 21H</a> : 00H, 25H, 26H, 31H, 34H, 35H, 4BH, 4CH, 4DH, 50H, 51H, 52H, 55H, 62H, INT 22H, INT 27H, INT 28H
File manager	INT 25H, INT 26H, <a href="#">INT 21H</a> : 0DH, 0EH, 0FH, 10H, 11H, 12H, 13H, 14H, 15H, 16H, 17H, 19H, 1AH, 1BH, 1CH, 21H, 22H, 23H, 24H, 27H, 28H, 29H, 2EH, 2FH, 32H, 3305H, 36H, 39H, 3AH, 3BH, 3CH, 3DH, 3EH, 3FH, 40H, 41H, 42H, 4300H, 4301H, 45H, 45H, 46H, 4EH, 4FH, 54H, 56H, 5700H, 5701H, 5AH, 5BH, 5c00H, 5c01H, 60H, 67H, 68H, 6900H, 6901H, 6AH, 6CH

<b>DOS API</b>	
Character Device I/O	<a href="#">INT 29H</a> , <a href="#">INT 21H</a> : 01H, 02H, 03H, 04H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0AH, 0CH, 5D07H, 5D08H, 5D09H, 5D0AH
Signals	<a href="#">INT 23H</a> , <a href="#">INT 24H</a> , <a href="#">INT 21H</a> : 3300H, 3301H, 3302H
Memory manager	<a href="#">INT 21H</a> : 48H, 49H, 4AH, 5800H, 5801H, 5802H, 5803H
Date and Time	<a href="#">INT 21H</a> : 2AH, 2BH, 2CH, 2DH
Misc	<a href="#">INT 21H</a> : 30H, 3306H, 3700H, 3701H, 3702H, 3703H, 59H
NLS	<a href="#">INT 21H</a> : 3303H, 3304H, 3800H, 3801H, 6300H, 6301H, 6301H, 6500H, 6501H, 6502H, 6503H, 6504H, 6505H, 6506H, 6507H, 6520H, 6521H, 6522H, 6523H, 65A0H, 65A1H, 65A2H, 6601H, 6602H
Devices	<a href="#">INT 21H</a> : 4400H, 4401H, 4402H, 4403H, 4404H, 4405H, 4406H, 4407H, 4408H, 4409H, 440AH, 440BH, 440CH, 440DH, 440EH, 440FH, 4410H, 4411H, 53H
Network	<a href="#">INT 21H</a> : 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H
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Hardware info	@Equipment @MemSize
Serial I/O	@AuxInit @AuxSendChar @AuxRecieveChar @AuxStatus
Tape I/O	@TapeOn @TapeOff @TapeRead @TapeWrite
Keyboard I/O	@KbdStatus @CharIn @CharPeek
Printer I/O	@PrnPrint @PrnInit @PrnStatus
Disk I/O	@DskReset @DskStatus @DskRead @DskWrite @DskVerify @DskFormat
Date and Time	@SetTime @GetTime
Mouse	@MouInit @MouShowPointer @MouStatus @MouSetPos @MouSetMickey @MouRegion
Memory manager	@ModBlok SET_BLOCK

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