



Note: This API call is for DOS and Win16 personality only. Use [Family API](#) for portability.

2018/09/07 05:04 · prokushev · [0 Comments](#)

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 | INT 20H , INT 21H : 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 , INT 21H : 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 |

| DOS API | |
|----------------------|---|
| Character Device I/O | INT 29H, INT 21H : 01H, 02H, 03H, 04H, 05H, 06H, 07H, 08H, 09H, 0AH, 0BH, 0AH, 0CH, 5D07H, 5D08H, 5D09H, 5D0AH |
| Signals | INT 23H, INT 24H, INT 21H : 3300H, 3301H, 3302H |
| Memory manager | INT 21H : 48H, 49H, 4AH, 5800H, 5801H, 5802H, 5803H |
| Date and Time | INT 21H : 2AH, 2BH, 2CH, 2DH |
| Misc | INT 21H : 30H, 3306H, 3700H, 3701H, 3702H, 3703H, 59H |
| NLS | INT 21H : 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 | INT 21H : 4400H, 4401H, 4402H, 4403H, 4404H, 4405H, 4406H, 4407H, 4408H, 4409H, 440AH, 440BH, 440CH, 440DH, 440EH, 440FH, 4410H, 4411H, 53H |
| Network | INT 21H : 5E00H, 5E01H, 5E02H, 5E03H, 5E04H, 5E05H, 5F00H, 5F01H, 5F02H, 5F03H, 5F04H, 5F05H, 5F07H, 5F08H |

| osFree Macro Library | |
|-----------------------------|--|
| Video I/O | @SetMode @SetCurSz @SetCurPos @GetCur @SetPage @ScrollUp @ScrollDn @Scroll @GetChAtr @PutChAtr @PutCh @SetPalet @SetColor @SetDot @GetDot @WrtTTY @VideoState @GetMode @GetDisplay @GetVideoState @GetEGAInfo @CIs |
| 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 |

2022/10/04 14:28 · prokushev · [0 Comments](#)

2018/09/04 17:23 · prokushev · [0 Comments](#)

From: <https://osfree.ru/doku/> - **osFree wiki**

Permanent link: <https://osfree.ru/doku/doku.php?id=en:docs:dos:api>

Last update: **2023/12/18 07:07**

