


# OS_Mon

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OS_Mon 2.5.1
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**May 9, 2023**

# 1 Reference Manual

The operating system monitor, OS_Mon, provides services for monitoring CPU load, disk usage, memory usage and OS messages.

# os_mon

Application

The operating system monitor, OS_Mon, provides the following services:

- *cpu_sup* CPU load and utilization supervision (Unix)
- *disksup* Disk supervision(Unix, Windows)
- *memsup* Memory supervision (Unix, Windows, VxWorks)
- *os_sup* Interface to OS system messages (Solaris, Windows)

To simplify usage of OS_Mon on distributed Erlang systems, it is not considered an error trying to use a service at a node where it is not available (either because OS_Mon is not running, or because the service is not available for that OS, or because the service is not started). Instead, a warning message is issued via `error_logger` and a dummy value is returned, which one is specified in the man pages for the respective services.

## Configuration

When OS_Mon is started, by default all services available for the OS, except `os_sup`, are automatically started. This configuration can be changed using the following application configuration parameters:

`start_cpu_sup = bool()`

Specifies if `cpu_sup` should be started. Defaults to `true`.

`start_disksup = bool()`

Specifies if `disksup` should be started. Defaults to `true`.

`start_memsup = bool()`

Specifies if `memsup` should be started. Defaults to `true`.

`start_os_sup = bool()`

Specifies if `os_sup` should be started. Defaults to `false`.

Configuration parameters effecting the different OS_Mon services are described in the respective man pages.

See *config(4)* for information about how to change the value of configuration parameters.

## See Also

*cpu_sup(3)*, *disksup(3)*, *memsup(3)*, *os_sup(3)*, *nteventlog(3)*, *snmp(3)*.

# cpu_sup

Erlang module

`cpu_sup` is a process which supervises the CPU load and CPU utilization. It is part of the OS_Mon application, see *os_mon(6)*. Available for Unix, although CPU utilization values (`util/0,1`) are only available for Solaris, Linux and FreeBSD.

The load values are proportional to how long time a runnable Unix process has to spend in the run queue before it is scheduled. Accordingly, higher values mean more system load. The returned value divided by 256 produces the figure displayed by `rup` and `top`. What is displayed as 2.00 in `rup`, is displayed as load up to the second mark in `xload`.

For example, `rup` displays a load of 128 as 0.50, and 512 as 2.00.

If the user wants to view load values as percentage of machine capacity, then this way of measuring presents a problem, because the load values are not restricted to a fixed interval. In this case, the following simple mathematical transformation can produce the load value as a percentage:

```
PercentLoad = 100 * (1 - D/(D + Load))
```

`D` determines which load value should be associated with which percentage. Choosing `D` = 50 means that 128 is 60% load, 256 is 80%, 512 is 90%, and so on.

Another way of measuring system load is to divide the number of busy CPU cycles by the total number of CPU cycles. This produces values in the 0-100 range immediately. However, this method hides the fact that a machine can be more or less saturated. CPU utilization is therefore a better name than system load for this measure.

A server which receives just enough requests to never become idle will score a CPU utilization of 100%. If the server receives 50% more requests, it will still score 100%. When the system load is calculated with the percentage formula shown previously, the load will increase from 80% to 87%.

The `avg1/0`, `avg5/0`, and `avg15/0` functions can be used for retrieving system load values, and the `util/0` and `util/1` functions can be used for retrieving CPU utilization values.

When run on Linux, `cpu_sup` assumes that the `/proc` file system is present and accessible by `cpu_sup`. If it is not, `cpu_sup` will terminate.

## Exports

`nprocs() -> UnixProcesses | {error, Reason}`

Types:

**`UnixProcesses = int()`**
**`Reason = term()`**

Returns the number of UNIX processes running on this machine. This is a crude way of measuring the system load, but it may be of interest in some cases.

Returns 0 if `cpu_sup` is not available.

`avg1() -> SystemLoad | {error, Reason}`

Types:

**`SystemLoad = int()`**
**`Reason = term()`**

Returns the average system load in the last minute, as described above. 0 represents no load, 256 represents the load reported as 1.00 by `rup`.

Returns 0 if `cpu_sup` is not available.

```
avg5() -> SystemLoad | {error, Reason}
```

Types:

```
SystemLoad = int()
Reason = term()
```

Returns the average system load in the last five minutes, as described above. 0 represents no load, 256 represents the load reported as 1.00 by `rup`.

Returns 0 if `cpu_sup` is not available.

```
avg15() -> SystemLoad | {error, Reason}
```

Types:

```
SystemLoad = int()
Reason = term()
```

Returns the average system load in the last 15 minutes, as described above. 0 represents no load, 256 represents the load reported as 1.00 by `rup`.

Returns 0 if `cpu_sup` is not available.

```
util() -> CpuUtil | {error, Reason}
```

Types:

```
CpuUtil = float()
Reason = term()
```

Returns CPU utilization since the last call to `util/0` or `util/1` by the calling process.

**Note:**

The returned value of the first call to `util/0` or `util/1` by a process will on most systems be the CPU utilization since system boot, but this is not guaranteed and the value should therefore be regarded as garbage. This also applies to the first call after a restart of `cpu_sup`.

The CPU utilization is defined as the sum of the percentage shares of the CPU cycles spent in all busy processor states (see `util/1` below) in average on all CPUs.

Returns 0 if `cpu_sup` is not available.

```
util(Opts) -> UtilSpec | {error, Reason}
```

Types:

```
Opts = [detailed | per_cpu]
UtilSpec = UtilDesc | [UtilDesc]
 UtilDesc = {Cpus, Busy, NonBusy, Misc}
  Cpus = all | int() | [int()]()
  Busy = NonBusy = {State, Share} | Share
   State = user | nice_user | kernel
```

```
      | wait | idle | atom()
     Share = float()
      Misc = []
    Reason = term()
```

Returns CPU utilization since the last call to `util/0` or `util/1` by the calling process, in more detail than `util/0`.

> **Note:**
>
> The returned value of the first call to `util/0` or `util/1` by a process will on most systems be the CPU utilization since system boot, but this is not guaranteed and the value should therefore be regarded as garbage. This also applies to the first call after a restart of `cpu_sup`.

Currently recognized options:

`detailed`

The returned `UtilDesc`(s) will be even more detailed.

`per_cpu`

Each CPU will be specified separately (assuming this information can be retrieved from the operating system), that is, a list with one `UtilDesc` per CPU will be returned.

Description of `UtilDesc = {Cpus, Busy, NonBusy, Misc}`:

`Cpus`

If the `detailed` and/or `per_cpu` option is given, this is the CPU number, or a list of the CPU numbers.

If not, this is the atom `all` which implies that the `UtilDesc` contains information about all CPUs.

`Busy`

If the `detailed` option is given, this is a list of `{State, Share}` tuples, where each tuple contains information about a processor state that has been identified as a busy processor state (see below). The atom `State` is the name of the state, and the float `Share` represents the percentage share of the CPU cycles spent in this state since the last call to `util/0` or `util/1`.

If not, this is the sum of the percentage shares of the CPU cycles spent in all states identified as busy.

If the `per_cpu` is not given, the value(s) presented are the average of all CPUs.

`NonBusy`

Similar to `Busy`, but for processor states that have been identified as non-busy (see below).

`Misc`

Currently unused; reserved for future use.

Currently these processor states are identified as busy:

`user`

Executing code in user mode.

`nice_user`

Executing code in low priority (nice) user mode. This state is currently only identified on Linux.

`kernel`

Executing code in kernel mode.

Currently these processor states are identified as non-busy:

`wait`

Waiting. This state is currently only identified on Solaris.

`idle`

Idle.

> **Note:**
>
> Identified processor states may be different on different operating systems and may change between different versions of `cpu_sup` on the same operating system. The sum of the percentage shares of the CPU cycles spent in all busy and all non-busy processor states will always add up to 100%, though.

Returns `{all,0,0,[]}` if `cpu_sup` is not available.

## See Also

*os_mon(3)*

# disksup

Erlang module

`disksup` is a process which supervises the available disk space in the system. It is part of the OS_Mon application, see *os_mon(6)*. Available for Unix and Windows.

Periodically checks the disks. For each disk or partition which uses more than a certain amount of the available space, the alarm `{{disk_almost_full, MountedOn}, []}` is set.

On Unix

All (locally) mounted disks are checked, including the swap disk if it is present.

On WIN32

All logical drives of type "FIXED_DISK" are checked.

Alarms are reported to the SASL alarm handler, see *alarm_handler(3)*. To set an alarm, `alarm_handler:set_alarm(Alarm)` is called where `Alarm` is the alarm specified above.

The alarms are cleared automatically when the alarm cause is no longer valid.

## Configuration

The following configuration parameters can be used to change the default values for time interval and threshold:

`disk_space_check_interval = int()>0`

The time interval, in minutes, for the periodic disk space check. The default is 30 minutes.

`disk_almost_full_threshold = float()`

The threshold, as percentage of total disk space, for how much disk can be utilized before the `disk_almost_full` alarm is set. The default is 0.80 (80%).

`disksup_posix_only = bool()`

Specifies whether the `disksup` helper process should only use POSIX conformant commands (`true`) or not. The default is `false`. Setting this parameter to `true` can be necessary on embedded systems with stripped-down versions of Unix tools like `df`. The returned disk data and alarms can be different when using this option.

The parameter is ignored on platforms that are known to not be posix compatible (Windows and SunOS).

See *config(4)* for information about how to change the value of configuration parameters.

## Exports

`get_disk_data() -> [DiskData]`

Types:

```
DiskData = {Id, KByte, Capacity}
 Id = string()
 KByte = int()
 Capacity = int()
```

Returns the result of the latest disk check. `Id` is a string that identifies the disk or partition. `KByte` is the total size of the disk or partition in kbytes. `Capacity` is the percentage of disk space used.

The function is asynchronous in the sense that it does not invoke a disk check, but returns the latest available value.

Returns `[{"none",0,0}]` if `disksup` is not available.

`get_check_interval() -> MS`

Types:

**`MS = int()`**

Returns the time interval, in milliseconds, for the periodic disk space check.

`set_check_interval(Minutes) -> ok`

Types:

**`Minutes = int()>=1`**

Changes the time interval, given in minutes, for the periodic disk space check.

The change will take effect after the next disk space check and is non-persist. That is, in case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

`get_almost_full_threshold() -> Percent`

Types:

**`Percent = int()`**

Returns the threshold, in percent, for disk space utilization.

`set_almost_full_threshold(Float) -> ok`

Types:

**`Float = float(), 0=<Float=<1`**

Changes the threshold, given as a float, for disk space utilization.

The change will take effect during the next disk space check and is non-persist. That is, in case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

## See Also

*alarm_handler(3)*, *os_mon(3)*

# memsup

Erlang module

`memsup` is a process which supervises the memory usage for the system and for individual processes. It is part of the OS_Mon application, see *os_mon(6)*. Available for Unix, Windows and VxWorks.

Periodically performs a memory check:

- If more than a certain amount of available system memory is allocated, as reported by the underlying operating system, the alarm `{system_memory_high_watermark, []}` is set.
- If any Erlang process `Pid` in the system has allocated more than a certain amount of total system memory, the alarm `{process_memory_high_watermark, Pid}` is set.

Alarms are reported to the SASL alarm handler, see *alarm_handler(3)*. To set an alarm, `alarm_handler:set_alarm(Alarm)` is called where `Alarm` is either of the alarms specified above.

The alarms are cleared automatically when the alarm cause is no longer valid.

The function *get_memory_data()* can be used to retrieve the result of the latest periodic memory check.

There is also a interface to system dependent memory data, *get_system_memory_data()*. The result is highly dependent on the underlying operating system and the interface is targeted primarily for systems without virtual memory (e.g. VxWorks). The output on other systems is however still valid, although sparse.

A call to `get_system_memory_data/0` is more costly than a call to `get_memory_data/0` as data is collected synchronously when this function is called.

The total system memory reported under UNIX is the number of physical pages of memory times the page size, and the available memory is the number of available physical pages times the page size. This is a reasonable measure as swapping should be avoided anyway, but the task of defining total memory and available memory is difficult because of virtual memory and swapping.

## Configuration

The following configuration parameters can be used to change the default values for time intervals and thresholds:

`memory_check_interval = int()>0`

The time interval, in minutes, for the periodic memory check. The default is one minute.

`system_memory_high_watermark = float()`

The threshold, as percentage of system memory, for how much system memory can be allocated before the corresponding alarm is set. The default is 0.80 (80%).

`process_memory_high_watermark = float()`

The threshold, as percentage of system memory, for how much system memory can be allocated by one Erlang process before the corresponding alarm is set. The default is 0.05 (5%).

`memsup_helper_timeout = int()>0`

A timeout, in seconds, for how long the `memsup` process should wait for a result from a memory check. If the timeout expires, a warning message `"OS_MON (memsup) timeout"` is issued via `error_logger` and any pending, synchronous client calls will return a dummy value. Normally, this situation should not occur. There have been cases on Linux, however, where the pseudo file from which system data is read is temporarily unavailable when the system is heavily loaded.

The default is 30 seconds.

`memsup_system_only = bool()`

Specifies whether the `memsup` process should only check system memory usage (`true`) or not. The default is `false`, meaning that information regarding both system memory usage and Erlang process memory usage is collected.

It is recommended to set this parameter to `false` on systems with many concurrent processes, as each process memory check makes a traversal of the entire list of processes.

See *config(4)* for information about how to change the value of configuration parameters.

## Exports

`get_memory_data() -> {Total,Allocated,Worst}`

Types:

```
Total = Allocated = int()
Worst = {Pid, PidAllocated} | undefined
 Pid = pid()
 PidAllocated = int()
```

Returns the result of the latest memory check, where `Total` is the total memory size and `Allocated` the allocated memory size, in bytes.

`Worst` is the pid and number of allocated bytes of the largest Erlang process on the node. If `memsup` should not collect process data, that is if the configuration parameter `memsup_system_only` was set to `true`, `Worst` is `undefined`.

The function is normally asynchronous in the sense that it does not invoke a memory check, but returns the latest available value. The one exception if is the function is called before a first memory check is finished, in which case it does not return a value until the memory check is finished.

Returns `{0,0,{pid(),0}}` or `{0,0,undefined}` if `memsup` is not available, or if all memory checks so far have timed out.

`get_system_memory_data() -> MemDataList`

Types:

```
MemDataList = [{Tag, Size}]
 Tag = atom()
 Size = int()
```

Invokes a memory check and returns the resulting, system dependent, data as a list of tagged tuples, where `Tag` can be one of the following:

`total_memory`
: The total amount of memory available to the Erlang emulator, allocated and free. May or may not be equal to the amount of memory configured in the system.

`free_memory`
: The amount of free memory available to the Erlang emulator for allocation.

`system_total_memory`
: The amount of memory available to the whole operating system. This may well be equal to `total_memory` but not necessarily.

`largest_free`
: The size of the largest contiguous free memory block available to the Erlang emulator.

`number_of_free`
: The number of free blocks available to the Erlang runtime system. This gives a fair indication of how fragmented the memory is.

`buffered_memory`
: The amount of memory the system uses for temporary storing raw disk blocks.

`cached_memory`
: The amount of memory the system uses for cached files read from disk.

`total_swap`
: The amount of total amount of memory the system has available for disk swap.

`free_swap`
: The amount of memory the system has available for disk swap.

All memory sizes are presented as number of **bytes**.

The `largest_free` and `number_of_free` tags are currently only returned on a VxWorks system.

Returns the empty list [] if `memsup` is not available, or if the memory check times out.

> **Note:**
>
> On linux the memory available to the emulator is `cached_memory` and `buffered_memory` in addition to `free_memory`.

`get_os_wordsize() -> Wordsize`

Types:

**`Wordsize = 32 | 64 | unsupported_os`**

Returns the wordsize of the current running operating system.

`get_check_interval() -> MS`

Types:

**`MS = int()`**

Returns the time interval, in milliseconds, for the periodic memory check.

`set_check_interval(Minutes) -> ok`

Types:

**`Minutes = int()>0`**

Changes the time interval, given in minutes, for the periodic memory check.

The change will take effect after the next memory check and is non-persistent. That is, in case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

`get_procmem_high_watermark() -> int()`

Returns the threshold, in percent, for process memory allocation.

`set_procmem_high_watermark(Float) -> ok`

Changes the threshold, given as a float, for process memory allocation.

The change will take effect during the next periodic memory check and is non-persistent. That is, in case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

```
get_sysmem_high_watermark() -> int()
```

Returns the threshold, in percent, for system memory allocation.

```
set_sysmem_high_watermark(Float) -> ok
```

Changes the threshold, given as a float, for system memory allocation.

The change will take effect during the next periodic memory check and is non-persistent. That is, in case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

```
get_helper_timeout() -> Seconds
```

Types:

**`Seconds = int()`**

Returns the timeout value, in seconds, for memory checks.

```
set_helper_timeout(Seconds) -> ok
```

Types:

**`Seconds = int() (>= 1)`**

Changes the timeout value, given in seconds, for memory checks.

The change will take effect for the next memory check and is non-persistent. That is, in the case of a process restart, this value is forgotten and the default value will be used. See *Configuration* above.

## See Also

*alarm_handler(3)*, *os_mon(3)*

# os_sup

Erlang module

`os_sup` is a process providing a message passing service from the operating system to the error logger in the Erlang runtime system. It is part of the OS_Mon application, see *os_mon(6)*. Available for Solaris and Windows.

Messages received from the operating system results in an user defined callback function being called. This function can do whatever filtering and formatting is necessary and then deploy any type of logging suitable for the user's application.

## Solaris Operation

The Solaris (SunOS 5.x) messages are retrieved from the syslog-daemon, `syslogd`.

Enabling the service includes actions which require root privileges, such as change of ownership and file privileges of an executable binary file, and creating a modified copy of the configuration file for `syslogd`. When `os_sup` is terminated, the service must be disabled, meaning the original configuration must be restored. Enabling/disabling can be done either outside or inside `os_sup`, see *Configuration* below.

**Warning:**

This process cannot run in multiple instances on the same hardware. OS_Mon must be configured to start `os_sup` on one node only if two or more Erlang nodes execute on the same machine.

The format of received events is not defined.

## Windows Operation

The Windows messages are retrieved from the eventlog file.

The `nteventlog` module is used to implement `os_sup`. See *nteventlog(3)*. Note that the start functions of `nteventlog` does not need to be used, in this case the process is started automatically as part of the OS_Mon supervision tree.

OS messages are formatted as a tuple `{Time, Category, Facility, Severity, Message}`:

`Time = {MegaSecs, Secs, MicroSecs}`

A time stamp as returned by the BIF `now()`.

`Category = string()`

Usually one of `"System"`, `"Application"` or `"Security"`. Note that the NT eventlog viewer has another notion of category, which in most cases is totally meaningless and therefore not imported into Erlang. What is called a category here is one of the main three types of events occurring in a normal NT system.

`Facility = string()`

The source of the message, usually the name of the application that generated it. This could be almost any string. When matching messages from certain applications, the version number of the application may have to be accounted for. This is what the NT event viewer calls "source".

`Severity = string()`

One of `"Error"`, `"Warning"`, `"Informational"`, `"Audit_Success"`, `"Audit_Faulure"` or, in case of a currently unknown Windows NT version `"Severity_Unknown"`.

`Message = string()`

Formatted exactly as it would be in the NT eventlog viewer. Binary data is not imported into Erlang.

## Configuration

`os_sup_mfa = {Module, Function, Args}`

The callback function to use. `Module` and `Function` are atoms and `Args` is a list of terms. When an OS message `Msg` is received, this function is called as `apply(Module, Function, [Msg | Args])`.

Default is `{os_sup, error_report, [Tag]}` which will send the event to the error logger using *error_logger:error_report(Tag, Msg)*. `Tag` is the value of `os_sup_errortag`, see below.

`os_sup_errortag = atom()`

This parameter defines the error report type used when messages are sent to error logger using the default callback function. Default is `std_error`, which means the events are handled by the standard event handler.

`os_sup_enable = bool()`

Solaris only. Defines if the service should be enabled (and disabled) inside (`true`) or outside (`false`) `os_sup`. For backwards compatibility reasons, the default is `true`. The recommended value is `false`, as the Erlang emulator should normally not be run with `root` privileges, as is required for enabling the service.

`os_sup_own = string()`

Solaris only. Defines the directory which contains the backup copy and the Erlang specific configuration files for `syslogd`, and a named pipe to receive the messages from `syslogd`. Default is `"/etc"`.

`os_sup_syslogconf = string()`

Solaris only. Defines the full name of the configuration file for `syslogd`. Default is `"/etc/syslog.conf"`.

## Exports

`enable() -> ok | {error, Res}`
`enable(Dir, Conf) -> ok | {error, Error}`

Types:

**`Dir = Conf = Res = string()`**

Enables the `os_sup` service. Needed on Solaris only.

If the configuration parameter `os_sup_enable` is `false`, this function is called automatically by `os_sup`, using the values of `os_sup_own` and `os_sup_syslogconf` as arguments.

If `os_sup_enable` is `true`, this function must be called **before** OS_Mon/`os_sup` is started. `Dir` defines the directory which contains the backup copy and the Erlang specific configuration files for `syslogd`, and a named pipe to receive the messages from `syslogd`. Defaults to `"/etc"`. `Conf` defines the full name of the configuration file for `syslogd`. Default is `"/etc/syslog.conf"`.

Results in a OS call to:

```
<PRIVDIR>/bin/mod_syslog otp Dir Conf
```

where `<PRIVDIR>` is the `priv` directory of OS_Mon, `code:priv_dir(os_mon)`.

Returns `ok` if this yields the expected result `"0"`, and `{error, Res}` if it yields anything else.

> **Note:**
>
> This function requires root privileges to succeed.

```
disable() -> ok | {error, Res}
disable(Dir, Conf) -> ok | {error, Error}
```

Types:

**`Dir = Conf = Res = string()`**

Disables the `os_sup` service. Needed on Solaris only.

If the configuration parameter `os_sup_enable` is `false`, this function is called automatically by `os_sup`, using the same arguments as when `enable/2` was called.

If `os_sup_enable` is `true`, this function must be called **after** OS_Mon/`os_sup` is stopped. `Dir` defines the directory which contains the backup copy and the Erlang specific configuration files for `syslogd`, and a named pipe to receive the messages from `syslogd`. Defaults to `"/etc"`. `Conf` defines the full name of the configuration file for `syslogd`. Default is `"/etc/syslog.conf"`.

Results in a OS call to:

```
<PRIVDIR>/bin/mod_syslog nootp Dir Conf
```

where `<PRIVDIR>` is the `priv` directory of OS_Mon, `code:priv_dir(os_mon)`.

Returns `ok` if this yields the expected result `"0"`, and `{error, Res}` if it yields anything else.

> **Note:**
>
> This function requires root privileges to succeed.

## See also

*error_logger(3)*, *os_mon(3)*

`syslogd(1M)`, `syslog.conf(4)` in the Solaris documentation.

# nteventlog

Erlang module

`nteventlog` provides a generic interface to the Windows event log. It is part of the OS_Mon application, see *os_mon(6)*. Available for Windows versions where the event log is available. That is, not for Windows 98 and some other older Windows versions, but for most (all?) newer Windows versions.

This module is used as the Windows backend for `os_sup`, see *os_sup(3)*.

To retain backwards compatibility, this module can also be used to start a standalone `nteventlog` process which is not part of the OS_Mon supervision tree. When starting such a process, the user has to supply an identifier as well as a callback function to handle the messages.

The identifier, an arbitrary string, should be reused whenever the same application (or node) wants to start the process. `nteventlog` is informed about all events that have arrived to the eventlog since the last accepted message for the current identifier. As long as the same identifier is used, the same eventlog record will not be sent to `nteventlog` more than once (with the exception of when graved system failures arise, in which case the last records written before the failure may be sent to Erlang again after reboot).

If the event log is configured to wrap around automatically, records that have arrived to the log and been overwritten when `nteventlog` was not running are lost. It however detects this state and loses no records that are not overwritten.

The callback function works as described in `os_sup(3)`.

## Exports

```
start(Identifier, MFA) -> Result
start_link(Identifier, MFA) -> Result
```

Types:

```
Identifier = string() | atom()
MFA = {Mod, Func, Args}
 Mod = Func = atom()
 Args = [term()]
Result = {ok, Pid} | {error, {already_started, Pid}}
Pid = pid()
```

This function starts the standalone `nteventlog` process and, if `start_link/2` is used, links to it.

`Identifier` is an identifier as described above.

`MFA` is the supplied callback function. When `nteventlog` receives information about a new event, this function will be called as `apply(Mod, Func, [Event|Args])` where `Event` is a tuple

```
stop() -> stopped
```

Types:

```
Result = stopped
```

Stops `nteventlog`. Usually only used during development. The server does not have to be shut down gracefully to maintain its state.

## See Also

*os_mon(6)*, *os_sup(3)*

Windows NT documentation