

Time

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COLLABORATORS

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|------------|-----------------|--------------|-----------|
| | TITLE : Time | | |
| ACTION | NAME | DATE | SIGNATURE |
| WRITTEN BY | Paul Manias | May 28, 2025 | |

REVISION HISTORY

| | | | |
|--------|------|-------------|------|
| NUMBER | DATE | DESCRIPTION | NAME |
| | | | |

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Chapter 1

Time

1.1 Object: Time

OBJECT DOCUMENTATION

Name: TIME
Version: 0.9 Beta
Date: December 1997
Author: Paul Manias
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1.2 Object: Time

OBJECT

Name: Time
Module: Kernel
Version: 1
Type: Simple

DESCRIPTION

The Time object is available for any applications and objects that may require time and date recording. It is also capable of giving the current system time if you Query() the object.

ACTIONS

The Time object supports the following actions:

Free() Free the Time object.
Get() Get a new Time structure.
Init() Routed to Query().
Query() Get the current system time.

STRUCTURE

The Time structure consists of the following public fields:

Day Day (1 - 31)
Hour Hour (0 - 23)
Minute Minute (0 - 59)
Micro Micro Second (0 - 99)

Month Month (1 - 12)
Second Second (0 - 59)
Year Year (-ve for BC, +ve for AD).

Note that if you write to any of the time based fields, you may invalidate the data in the rest of the time object. For example, changing the Year will affect the validity of the Day and Month fields.

1.3 Object: Time

FIELD

Name: Day
Type: WORD
Range: 1 - 31
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the day of the month that is being represented. The limit of the range is dependant on the month and year (eg February usually has a limit 28 days).

1.4 Object: Time

FIELD

Name: Hour
Type: WORD
Range: 0 - 59
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the hour of the day.

1.5 Object: Time

FIELD

Name: Minute
Type: WORD
Range: 0 - 59
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the minutes of the hour.

1.6 Object: Time

FIELD

Name: Micro
Type: WORD
Range: 0 - 99
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field represents the micro-seconds of the time object.

1.7 Object: Time

FIELD

Name: Month
Type: WORD
Range: 1 - 12
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the month of the year.

1.8 Object: Time

FIELD

Name: Second
Type: WORD
Range: 0 - 59
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the seconds in your time object.

1.9 Object: Time

FIELD

Name: Year
Type: WORD
On Change: Dynamic.
Status: Read/Write

DESCRIPTION

This field specifies the year. Negative values indicate BC and positive values indicate AD.
