

# **Time**

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COLLABORATORS

	TITLE : Time		
ACTION	NAME	DATE	SIGNATURE
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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)

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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.

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## 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.

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