

# DAYTime

<b>Inherits From:</b>	Object
<b>Conforms To:</b>	NXTransport
<b>Declared In:</b>	daymisckit/DAYTime.h

## Class Description

This documentation is still incomplete, and the class itself is only halfway implemented (no day of week or customized stringValue). Sorry.

DAYTime is used to store a time, accurate from years down to seconds. You can add and subtract DAYTimes from each other and specify how to generate a string value for the time. It can calculate the day of the week for a given date, as well. If used to measure time in a relative sense, then the day of week functions are disabled since they don't make sense semantically. A DAYTime object may easily be initialized or set to the current time on the system clock. It may also be sent bycopy over a distributed objects link and archived to a file.

## Instance Variables

```
BOOL isRelative;  
long microsecond;  
long second;  
long minute;  
long hour;  
long dow;  
long day;  
long month;  
long year;
```

isRelative

Whether the DAYTime object is an absolute or relative time.

microsecond

The microsecond ( $0 \pm 999,999$ ).

second

The second ( $0 \pm 59$ ).

minute

The minute ( $0 \pm 59$ ).

hour

The hour ( $0 \pm 23$ ).

dow

The day of the week ( $-1 \pm 6$ ). dow is -1 if the day of the week is unknown; for example, if it has not yet been calculated.

day

The day of the month ( $0 \pm 27/28/29/30$ ).

month

The month ( $0 \pm 11$ ).

year

The year.

## Method Types

Initializing and freeing a DAYTime ± init  
± initWithCurrentTime

Changing a DAYTime ± setDay:  
± setDayOfWeek:  
± setHour:  
± setMicrosecond:  
± setMinute:  
± setMonth:  
± setRelative:  
± setSecond:  
± setYear:

Manipulating a DAYTime ± addDays:  
± addHours:  
± addMicroseconds:  
± addMinutes:  
± addMonths:  
± addSeconds:  
± addTime:  
± addYears:

- ± calcDayOfWeek
- ± subtractDays:
- ± subtractHours:
- ± subtractMicroseconds:
- ± subtractMinutes:
- ± subtractMonths:
- ± subtractSeconds:
- ± subtractTime:
- ± subtractYears:

## Querying attributes

- ± day
- ± dayOfWeek
- ± doubleValue
- ± floatValue
- ± hour
- ± intValue
- ± isRelative
- ± microsecond
- ± minute
- ± month
- ± second
- ± stringValue
- ± year

## Archiving

- ± read:
- ± write:

## Instance Methods

**x**

- **x:(x)x**

x. Returns *self*.

See also: -x:

**x**

- **x:(x)x**

x. Returns *self*.

See also: -x: