

DAYTime

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| Inherits From: | Object |
| Conforms To: | NXTransport |
| Declared In: | daymisckit/DAYTime.h |

Class Description

This documentation is still incomplete, and the class itself is only halfway implemented (no day of week or customized stringValues). 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 ± 59).

minute

The minute (0 ± 59).

hour

The hour (0 ± 23).

dow

The day of the week (-1 ± 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 ± 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:**