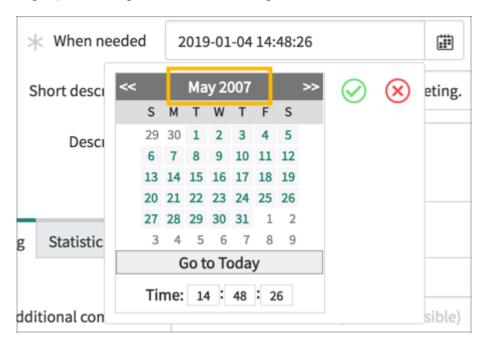# ServiceNow Application Developer

Server-side Scripting › GlideDateTime

The scoped *GlideDateTime* class provides methods for performing operations on *GlideDateTime* objects. Use the *GlideDateTime* methods to perform date-time operations, such as instantiating a *GlideDateTime* object, performing date-time calculations, formatting a date-time, or converting between date-time formats. See the **_GlideDateTime_ API (https://developer.servicenow.com/app.do#!/api_doc?v=madrid&id=c_APIRef)** reference for a complete list of methods.

ServiceNow provides no default logic for managing dates in applications. The *NeedIt* application, for example, has a *When needed* field. There is no default logic preventing a user from setting the *When needed* date to a date in the past.

Applications that use dates may require script logic for the date fields. Examples include:

- Prevent users from selecting dates in the past

- Require start dates to be before end dates

- Disallow new requests to be submitted for today

When working with the *GlideDateTime* methods, pay attention to the date format and time zones. Some methods use GMT/UTC and some use local time zones. Some methods use the date in milliseconds and some do not.

> **NOTE**: There are also useful methods for managing dates in the ***GlideSystem*** API (https://developer.servicenow.com/app.do#!/api_doc?v=madrid&id=c_GlideSystemScopedAPI). For example, *gs.daysAgo()*.