Setting the CAB Date

Lab 6.1   10-15 minutes

Lab objectives

You will perform the following in this lab:
- Write a Business Rule using GlideSystem and GlideDateTime methods to set the CAB date for a Change Request to Wednesday of the next week.
- Complete a Cloud Dimensions' Phase II requirement.

Business Problem

2nd level IT Analysts from various teams have requested the Change Management team use the CAB date field on the Schedule tab to inform them at which CAB meeting their Change Request will be reviewed. The Change Management team has been doing their best to populate the field manually, but many times the information is missed.

As CAB meetings are held every Wednesday, the Change Management team has requested the field be automatically populated with next Wednesday's date. Using this strategy, they will only be required to update the field if there is an exception vs. populating the date for every new Change Request.

Project Requirement

Set the CAB date to Wednesday of the next week for new Change Requests.

A. Create a Business Rule

1. Create a new Business Rule.

   Name: **Lab 6.1 Set CAB Date**
   Table: **Change Request [change_request]**
   Active: **Selected (checked)**
   Advanced: **Selected (checked)**
   When: **before**
   Order: **300**
   Insert: **Selected (checked)**

2. On the Advanced tab, within the executeRule() function in the Script field, type **try** followed by the <tab> key to insert the **try** Syntax Editor Macro *(created in Lab 1.1)*.

3. Select the **Format Code** icon on the Syntax Editor toolbar to properly align the code.

4. Update the statement in the **catch** block to use the server-side **gs.error()** method instead of the client-side g_form.addErrorMessage() method.

5. Examine the pseudo-code for the script you will write:
   - Create a GlideDateTime variable that uses a GlideSystem method to retrieve the next Monday's date.
   - Add two days, local time, to it.
   - Set the CAB date field to Wednesday of the next week.

6. Write the script in the **try** block:

```
 1   (function executeRule(current, previous /*null when async*/ ) {
 2
 3       try {
 4           var gdt = new GlideDateTime(gs.beginningOfNextWeek());
 5           gdt.addDaysLocalTime(2);
 6           current.setValue('cab_date', gdt);
 7
 8       } catch (err) {
 9           gs.error('A runtime error occurred: ' + err);
10       }
11
12   })(current, previous);
```

7. Select **Submit**.

B.   Test Your Work

1. Create a new **Change Request**.

2. Select **Models > Normal: ITIL Mode 1 Normal Change.**

3. Enter **Testing Lab 6.1** in the *Short description* field.

4. **Save** the record to remain on the form.

5. Navigate to the **Schedule** tab.

6. Is the **CAB date** correct? If not, debug and re-test.

7. Make the Business Rule **inactive**.

Lab Completion

Great job! You successfully completed the requirements and practiced using GlideSystem and GlideDateTime methods in a server-side script. Now may be the time to ask for that raise you've been wanting.