

ID Generator Field

Definition

ID Generator Field is used to produce a running number based on an [Environment variable](#). To learn more about its usage, refer to [Generate Reference ID](#).



You will only need to do this if you are using MySQL, as other databases already default to "READ-COMMITTED".

Run following queries in MySQL.

```
SET GLOBAL tx_isolation='READ-COMMITTED';  
SET SESSION tx_isolation='READ-COMMITTED';
```

You will also need to set the following in your my.cnf/my.ini file.

```
[mysqld]  
transaction-isolation = READ-COMMITTED
```

The screenshot shows a form titled "Expense Claim Details". A blue box highlights the "Ref" field, which is set to "AUTO". A tooltip above the field says "Drag This Column". Below the "Ref" field, there are several other fields: "Title *" (empty), "Submitted By" (set to "#currentUser.firstName# #cu"), "Note: The title should appear in this format, example, Jan 06" (with a "CUSTOM HTML" button), "username" (set to "#currentUser.username#", "HIDDEN FIELD"), and "status" (set to "New", "HIDDEN FIELD"). At the bottom left, there is a link "ADVANCED: JSON Definition".

Figure 1: Screenshot highlighting ID Reference Field in sample HR Expenses Claim app

Screenshots in this article obtained from http://localhost:8080/jw/web/console/app/hr_expense/1/form/builder/hr_expense_new

The screenshot shows the "Edit ID Generator Field" configuration page. The title is "Edit ID Generator Field" and the subtitle is "Edit ID Generator Field > Advanced Options". There are four fields: "ID *" (value: "ref"), "Label *" (value: "Ref"), "Environment Variable Name *" (value: "counter"), and "Format *" (value: "REF-?????").

Figure 2: ID Generator Field Properties

| Name | Description |
|------|-------------|
|------|-------------|

| | |
|---------------------------|--|
| ID | Element ID (By declaring as "ref", a corresponding database table column "c_ref" will be created) |
| | <div style="border: 1px solid red; padding: 5px;">  Note when using this element when the form is part of a workflow process Do not set the id as "id" when the form is used as part of a workflow process. The value generated by this element will not be associated with process instance's ID. </div> |
| Label | Element Label to be displayed to end user. |
| Environment Variable Name | Name of the environment variable to be used to keep the running number. |
| Format | Determines the pattern of the generated value (e.g., "REF-?????" will yield "REF-00001") |

Advanced Options

Edit ID Generator Field > **Advanced Options**

UI

Hidden?

Workflow

Workflow Variable

Figure 3: ID Generator Field Properties - Advanced Options

| Name | Description |
|-------------------|---|
| Hidden? | Determines if the element should be made visible in the form. |
| Workflow Variable | <p>If the form is part of a workflow process, upon saving of the form (by clicking on "Save as Draft" or "Complete" button). The value in this input field will be saved into the corresponding workflow variable named here.</p> <div style="border: 1px solid gray; padding: 10px;">  Using a non-existent Workflow Variable name You will get the following warning with the name printed out (e.g. status) in the server log if you attempt to map to a non-existent Workflow Variable. <div style="border: 1px solid gray; padding: 5px; margin-top: 5px;"> <pre>context attribute status does not exist in process context - adding new attributes to the process context is not allowed</pre> </div> </div> |