

SERVICENOW

ALL

ABOUT

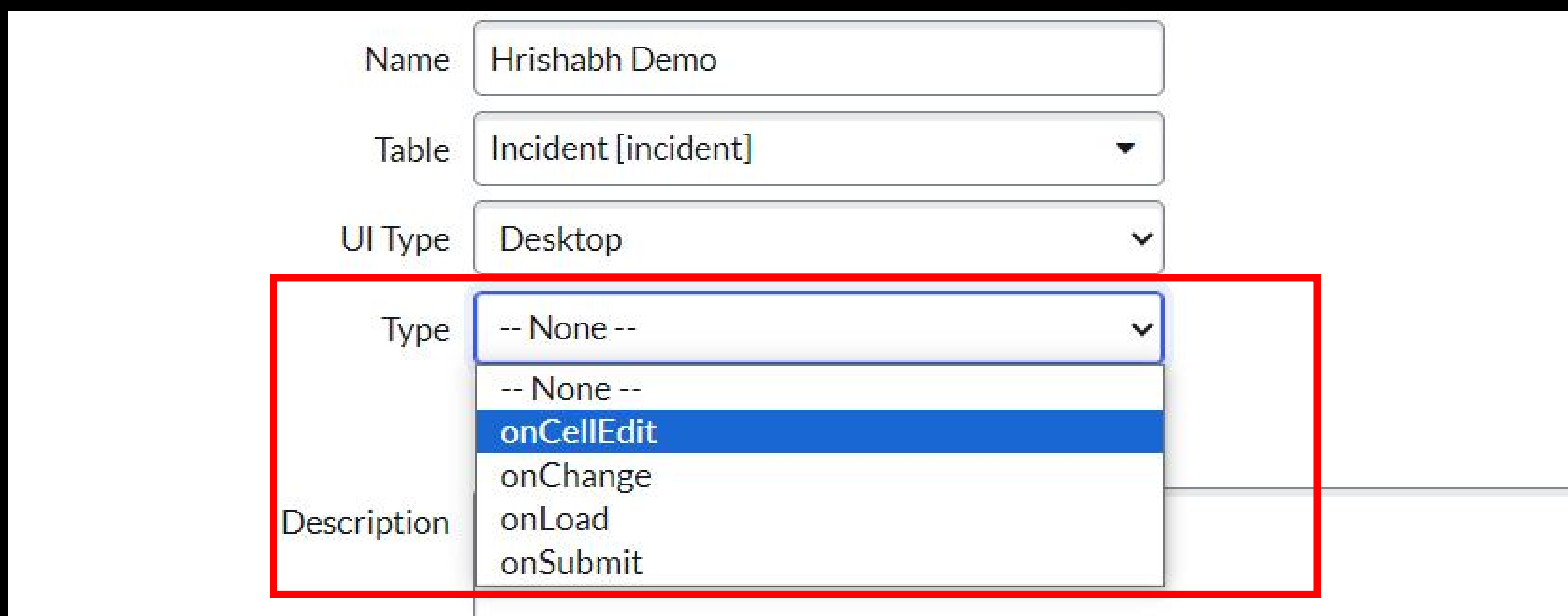
onCellEdit

CLIENT SCRIPT



@hrishabhkumar

WHAT IS onCellEdit CLIENT SCRIPT ?



The image shows a configuration form for a client script. The fields are as follows:

Name	Hrishabh Demo
Table	Incident [incident]
UI Type	Desktop
Type	-- None -- -- None -- onCellEdit onChange onLoad onSubmit
Description	

The 'Type' dropdown menu is open, and 'onCellEdit' is highlighted in blue. A red rectangle is drawn around the 'Type' dropdown and the 'Description' field.

onCellEdit is the **only** type of client script that is executed on table's **list view** and **related list**.

All other client scripts are executed on **form view**.

WHEN IS IT EXECUTED?

Whenever a record or records are being updated in **list view** or **related list**.

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☰🔍🗨️Incidents View: Self Service

for text

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Actions on selected rows... ▼

New

All > Short description != e one nine .or. Short description = NULL > Short description != willy work s armaji .or. Short description = NULL > Short description != test 123 .or. Short description = NULL

<input type="checkbox"/>	Number	Caller	State	Created	Short description
<input type="checkbox"/>	INC0000017	Joe Employee	On Hold	2015-08-12 16:41:00	test 121212
<input type="checkbox"/>	INC0000054	Christen Mitchell	On Hold	2015-11-02 12:49:08	test 121212
<input type="checkbox"/>	INC0009005	David Miller	New	2018-08-31 21:35:21	Email server is down.
<input type="checkbox"/>	INC0009004	David Miller	Closed	2018-09-01 06:13:30	Defect tracking tool is down.
<input type="checkbox"/>	INC0009001	David Miller	New	2018-09-11 20:56:26	Unable to post content on a Wiki page
<input type="checkbox"/>	INC0009002	David Miller	Closed	2018-09-16 05:49:23	My computer is not detecting the headphone device
<input type="checkbox"/>	INC0007001	David Miller	New	2018-10-16 22:47:10	Employee payroll application server is down.
<input type="checkbox"/>	INC0007002	David Miller	New	2018-10-16 22:47:51	Need access to the common drive.
<input type="checkbox"/>	INC0008111	System Administrator	New	2019-07-22 14:04:57	ATF : Test1
<input type="checkbox"/>	INC0008112	survey user	New	2019-07-29 11:48:43	Assessment : ATF Assessor
<input type="checkbox"/>	INC0001990	Problem CoordinatorATF	On Hold	2020-06-07 09:02:25	Unable to access the personal details section in payroll portal
<input type="checkbox"/>	INC0008001	survey user	New	2021-01-15 13:04:14	ATF-TEST2

Related Links

[Repair SLAs](#)

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for text

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Actions on selected rows... ▼

New

Incidents

<input type="checkbox"/>	Number	Short description	State	Opened
<input type="checkbox"/>	INC0009009	e one nine	New	2018-08-30 01:06:16
<input type="checkbox"/>	INC0009003	e one nine	Closed	2018-08-30 02:17:32
<input type="checkbox"/>	INC0009005	Email server is down.	New	2018-08-31 21:35:21
<input type="checkbox"/>	INC0009004	Defect tracking tool is down.	Closed	2018-09-01 06:13:30
<input type="checkbox"/>	INC0009001	Unable to post content on a Wiki page	New	2018-09-11 20:56:26
<input type="checkbox"/>	INC0009002	My computer is not detecting the headphone device	Closed	2018-09-16 05:49:23
<input type="checkbox"/>	INC0007001	Employee payroll application server is down.	New	2018-10-16 22:47:10
<input type="checkbox"/>	INC0007002	Need access to the common drive.	New	2018-10-16 22:47:51
<input type="checkbox"/>	INC0010002	This is a Teams integration testing	New	2024-03-07 12:24:16
<input type="checkbox"/>	INC0010003	This is second late night teams integration testing.	New	2024-03-07 12:33:08

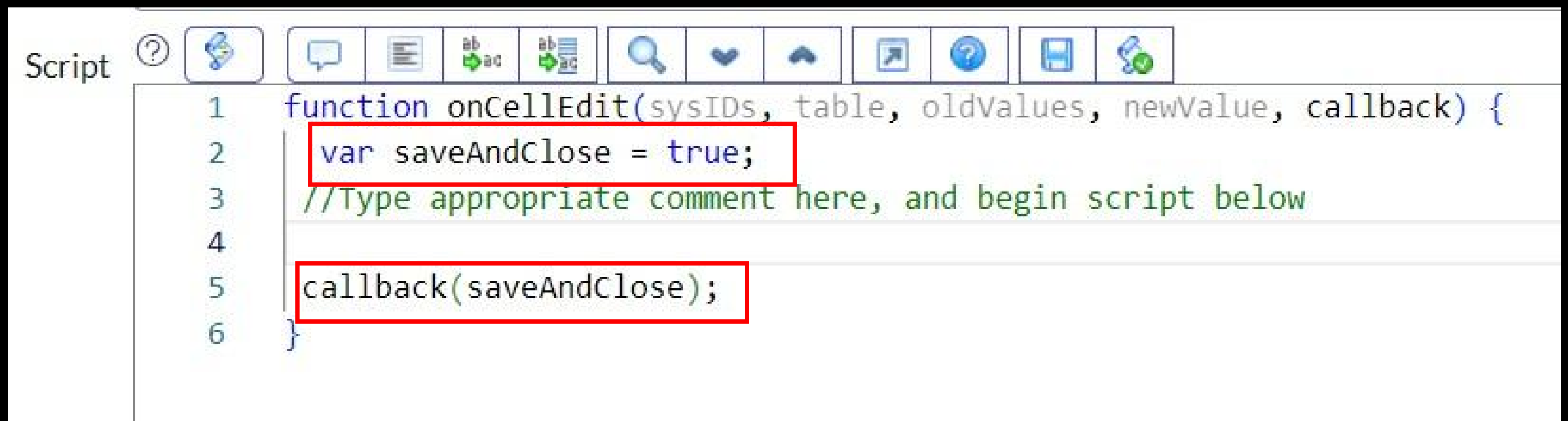
CONFIGURING onCellEdit SCRIPT.



Name	Restrict Empty ShortDescription
Table	Incident [incident]
UI Type	All
Type	onCellEdit
Field name	Short description
Description	

After selecting the **onCellEdit** type, the developer needs to specify the **field** whose change will trigger this script. This is same as we do in **onChange** Client Script.

onCellEdit FUNCTION



The screenshot shows a script editor window with a toolbar at the top. The script content is as follows:

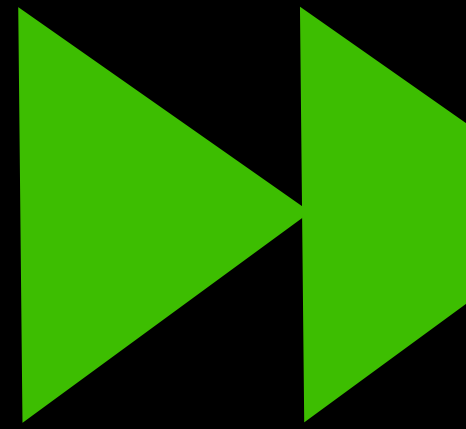
```
Script
1 function onCellEdit(sysIDs, table, oldValues, newValue, callback) {
2     var saveAndClose = true;
3     //Type appropriate comment here, and begin script below
4
5     callback(saveAndClose);
6 }
```

In the original image, the lines `var saveAndClose = true;` and `callback(saveAndClose);` are highlighted with red rectangular boxes.

onCellEdit function has lots of **parameters** and a **predefined variable** as well. Lets take a look at each of them.

saveAndClose is a boolean variable that is **returned in the callback function** later, it can be used to successfully complete or **abort the update** operation performed on list view.

onCellEdit PARAMETERS



```
Script
1 function onCellEdit(sysIDs, table, oldValues, newValue, callback) {
2     var saveAndClose = true;
3     //Type appropriate comment here, and begin script below
4
```

sysIDs is an **Array** of sys_ids of all the records which are being updated.

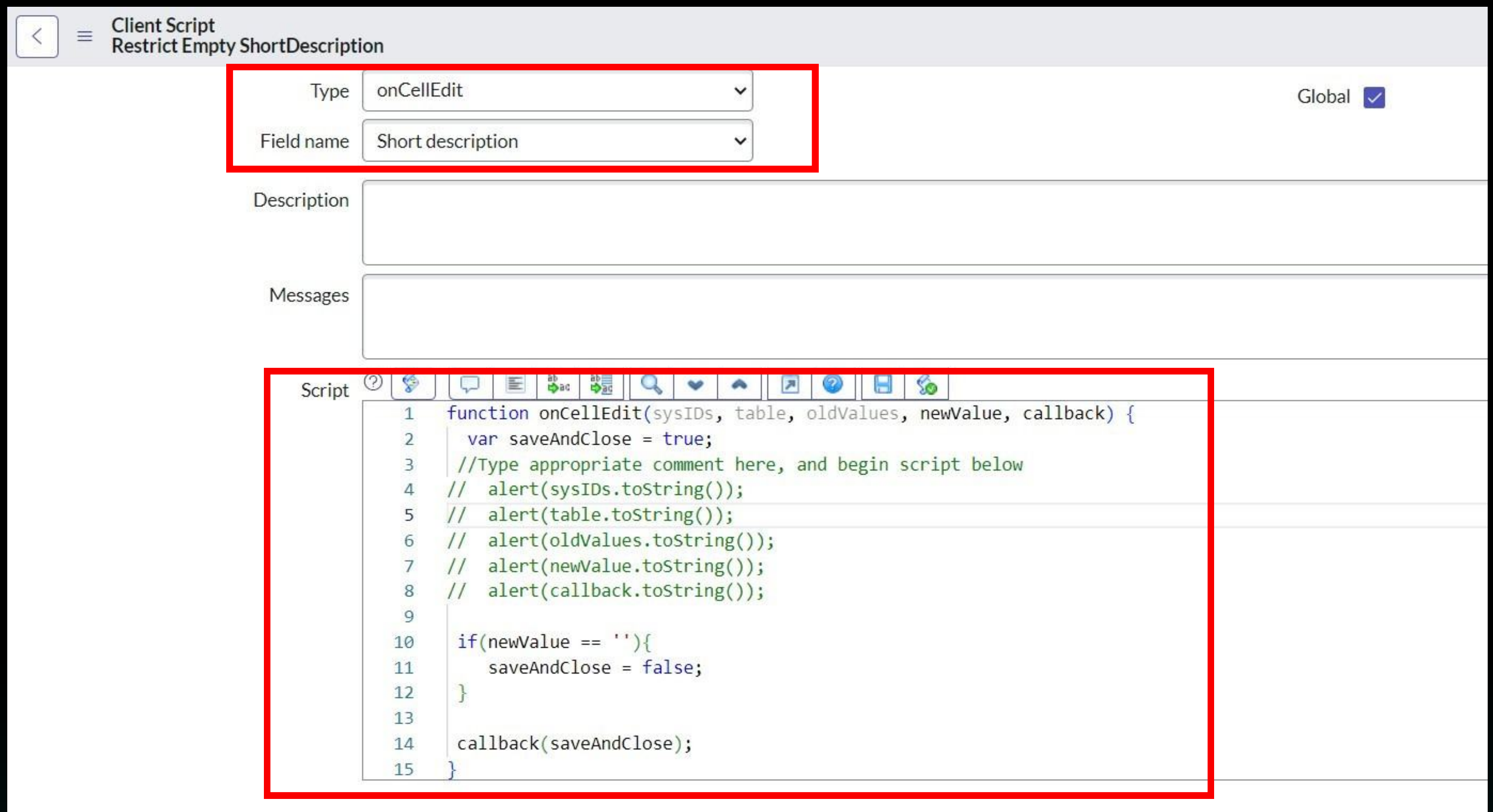
table is a string value, it is the name of the table, on which the updation is being done.

oldValues is an **Array** of old values of the field of all records which are being updated.

newValue is a string, it is the new value entered by the user to change in the field in the records.

callback is a function, which passes the saveAndClose variable and can be used to submit **successfully** or **abort** the change.

EXAMPLE SCRIPT



The screenshot shows the 'Client Script' configuration page for 'Restrict Empty ShortDescription'. The 'Type' is set to 'onCellEdit' and the 'Field name' is 'Short description', both highlighted with a red box. The 'Global' checkbox is checked. Below these fields are sections for 'Description' and 'Messages'. The 'Script' section, also highlighted with a red box, contains the following JavaScript code:

```
1 function onCellEdit(sysIDs, table, oldValues, newValue, callback) {  
2     var saveAndClose = true;  
3     //Type appropriate comment here, and begin script below  
4     // alert(sysIDs.toString());  
5     // alert(table.toString());  
6     // alert(oldValues.toString());  
7     // alert(newValue.toString());  
8     // alert(callback.toString());  
9  
10    if(newValue == ''){  
11        saveAndClose = false;  
12    }  
13  
14    callback(saveAndClose);  
15 }
```

This onCellEdit Script is set on **Short Description** field on incident table.

This script doesn't allow user to update short description with **empty value**.

THANK YOU



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HRISHABH KUMAR

ServiceNow DEVELOPER

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