

ADDING A JAVASCRIPT FUNCTION TO A FIELD IN DYNAMICS 365 POWER APPS ON LOAD WITH ADD ONCHANGE

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In this post we will look at how to add a function to field in Dynamics 365 / Power Apps, so when a form loads, the function will run on change of the field. We can do this by using **addOnChange**.

Let's say I have a field called My Optional Field (new_myoptionalfield) which is on an entity called My New Entity. The field is on the main form:

The screenshot shows the Dynamics 365 Power Apps interface for creating a new record in the 'My New Entity' entity. The top navigation bar includes 'Dynamics 365' and a dropdown arrow. Below the navigation bar is a toolbar with 'Save', 'Save & Close', 'New', and 'Flow' buttons. The main content area is titled 'New My New Entity' and has a 'General' tab selected. The form displays a list of fields with their respective labels, icons, and values. The 'My Optional Field' is highlighted in yellow.

Field Name	Icon	Value
Name	*	---
Owner	* ✓	Carl de Souza
My Business Required Field	*	---
My Business Recommended Field	+	---
My Optional Field		---

Now let's say when this form loads, we want to bind a JavaScript function to this field. The function will simply display an alert to the user, "Field has changed".

On the form, let's create a new script on load of the form. We will use the context to get the field, new_myoptionalfield, then use addOnChange to bind our function, DisplayAlert, to the field. Note the execution context is passed automatically as the first parameter to the function in case we need it:

```
function
OnLoad(executionContext) {

    var formContext =
executionContext.getFormContext();

    formContext.getAttribute("new_myoptionalfield").addOnChange(D
isplayAlert)

}
```

```
function
DisplayAlert(executionContext) {

    alert("Field has
changed");

}
```

Add this to the form OnLoad:

Form Properties

Modify this form's properties.

Events

Display

Parameters

Non-Event Dependencies

+

 Add

✖

 Remove

↑

 Up

↓

 Down

✎

 Edit

Name	Display Name	Description
new_MyEntityLoad.js	MyEntityLoad.js	

▾

 Event Handlers

Manage functions that are called for form or field events.

Control

Form

Event

OnLoad

+

 Add

✖

 Remove

↑

 Up

↓

 Down

✎

 Edit

📖

 Edit Library

Library	Function	Enabled
new_MyEntityLoad.js	OnLoad	True

OK

Cancel

Passing the Context:

Handler Properties

Details

Dependencies

Library

new_MyEntityLoad.js

*Function

OnLoad

☒

Enabled

Parameters

☒ Pass execution context as first parameter

Comma separated list of parameters that will be passed to the function

OK

Cancel

Publish the customization.

Now, go to the form, and add a value to the field My Optional Field. We see our alert displayed. If we tab in and out of the field, this will not run, only on field changing:

Save

Save & Close

+ New

Field has changed

OK

New My New Entity

General

Name

*

Owner

*

Carl de Souza

My Business Required Field

*

My Business Recommended Field

+

My Optional Field

A

