

# Advanced integrations with IFTTT macros with ConfiForms



In this tutorial you will learn how to use ConfiForms IFTTT Integration macros in ConfiForms plugin

This tutorial is quite technical...

- Good to know what are Velocity templates and how to write them. Good read is <https://developer.atlassian.com/confdev/development-resources/confluence-architecture/confluence-internals/velocity-template-overview/basic-introduction-to-velocity>
- Be familiar with technical documentation and APIs, especially with Javadoc



If you are new to ConfiForms, please take a few minutes to read the [Basic concepts](#) Guide, or go through the video tutorial on that page. 😊

We start with very simple form with one text field (field name is "myfield" and it is of type "Text"). Will add a default "ConfiForms Registration Control" here as well

Like this:

The screenshot shows a configuration interface for a ConfiForms form. It consists of three nested macro blocks:

- CONFI: ConfiForms Form | formName = f**: The outermost container macro.
- CONFI: ConfiForms Field Definition | fieldName = myfield | field...**: A macro defining a text field named 'myfield'.
- CONFI: ConfiForms Registration Control**: A macro for handling form submissions, currently showing a large empty text area.

Then will add a IFTTT macro to react on onCreated event which will create a page based on the value entered in the form. The IFTTT macro is added into the body of the ConfiForms Form macro. The ordering of IFTTT handlers is important, especially when you want to use chaining or use the results of some IFTTT in your current IFTTT handler

This screenshot shows the same configuration interface as before, but with an additional macro added to the 'ConfiForms Form' container:

- CONFI: ConfiForms Form | formName = f**: The outermost container macro.
- CONFI: ConfiForms Field Definition | fieldName = myfield | field...**: The field definition macro.
- CONFI: ConfiForms Registration Control**: The registration control macro.
- CONFI: ConfiForms IFTTT Integration Rules | event = onCreated | action = Create Page | title = [entry.myfield]**: A new macro added to the form's body.

Below the IFTTT macro, there is explanatory text:

Content of created page is here.

We can reference the field as `[entry.myfield]` or as `$(myfield)` or as `$(entry.myfield)`.



You can reference existing Confluence templates to be included into your IFTTT macro body to be used as a page template

The following instructions tells IFTTT macro to look at Confluence templates and try to find a template with given name

```
[template.YOUR_TEMPLATE_NAME]
```



**FROM VERSION 1.47.2**

You can include the template without evaluating it's parameters.

```
[rawtemplate.YOUR_TEMPLATE_NAME]
```

The contents of the template will not be evaluated against the current record, but will be included as-is



More details on using Confluence templates in ConfiForms you can find here, [Advanced integrations with IFTTT macros with ConfiForms](#)

Another handler will also react on onCreated even and will send an email to the administrator about created page.

CONF ConfiForms Form | formName = f

CONF ConfiForms Field Definition | fieldName = myfield | field...

CONF ConfiForms Registration Control

CONF ConfiForms IFTTT Integration Rules | event = onCreated | action = Create Page | title = [entry.myfield]

Content of created page is here.  
We can reference the field as [entry.myfield] or as \${myfield} or as \${entry.myfield}.

CONF ConfiForms IFTTT Integration Rules | event = onCreated | action = Send Email | title = Here it is

Another page has been created

HTML

<a href="http://myserver.com/pages/viewpage.action?pageId=\${iftttResult\_0.id}">Link to page</a>

What is important here is that you can reference the result of the previous IFTTT handler here, and this is done by using the following notation `${iftttResult_INDEX}`

Where INDEX is the numeric value of the IFTTT. In our case it is 0 (this is the IFTTT that creates a page), as the numbering starts with 0.

As, the first IFTTT handler actually creates a page you can reference it via `${iftttResult_0.id}`, basically the parameter `${iftttResult_0}` holds a reference to Page object created (see here the object properties: <https://docs.atlassian.com/confluence/latest/com/atlassian/confluence/pages/AbstractPage.html>). All getters (get methods are available for you).

## Result:

When a ConfiForms entry is created a new page will be created with the content defined in the first IFTTT handler and an email will be sent to the administrator with the link to newly created page

Here is the table that shows which IFTTT handler creates which object:

IFTTT Handler	Object
Send Email	-
Create Page	Page, of type <a href="https://docs.atlassian.com/confluence/latest/com/atlassian/confluence/pages/AbstractPage.html">https://docs.atlassian.com/confluence/latest/com/atlassian/confluence/pages/AbstractPage.html</a>

Make request	String, response from server
Send Notification	-
Create ConfiForms Entry	name of the form where entry is created, as string
Delete ConfiForms Entry	
Create JIRA Issue	JIRA key as string
Create Attachment	-

\* string type objects could be referenced as is \${iftttResult\_INDEX}, where INDEX is the sequence number of the IFTTT handler