



**USING**

**POWERAUTOMATE**

To Automate Ministry

# Chris Kehayias

Chris' church, Calvary Chapel Melbourne, was an early adopter of MinistryPlatform, and he played an integral part in **shaping the product and the community**. And eventually joined "The MP Team" as the CEO.

Now, as the Vice President of Technology, Innovation, and Advancement he ... well, ... when your title includes the word "and" – you don't do any work. LOL.



# Quick Review

Church IT Network Presentation  
PowerAutomate vrs Azure Logic Apps  
Intro to the Connector  
Why PowerAutomate  
Connector Release  
Customer Stories

# Say Hello to No CODE / Low CODE

- Integration Hubs / Platforms
- Think Integrations...NOT code
- Use Technical Knowledge to connect multiple systems
- Use LOGIC to add decision based routing





# What is needed?

- Choose a Low Code Platform => PowerAutomate is great and cheap and easy and available to try for free.
- Find an existing connector
- Systems with API
- Systems with Webhooks for near real-time automations

# Benefits of the No-Code Approach



- Simple Maintenance – NO Code, NO Compile, NO Dependencies
- Lower Skillset – Most IT folks can update or follow what is happening
- Simpler Entry Point
- Drag, Drop, Configure

# PowerAutomate vs Logic Apps

Hint...It's the same but different

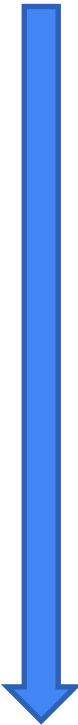


Power Automate



Built on Logic Apps

**Azure Logic Apps**



Simpler Interface  
Simple Pricing  
Lots of "Built-In"

Azure or VS Interface  
Developer Oriented  
Priced by Usage  
More Configurable,  
more required  
configuration



# PowerAutomate Connector



# The Connector

Quick and Easy to Deploy  
Easy to Customize  
Built on OAuth / REST API

Power Automate

Search

Environments Demo

Custom connectors

- + New custom connector
- Create from blank
- Create from Azure Service (Preview)
- Import an OpenAPI file
- Import an OpenAPI from URL
- Import a Postman collection
- Import from Github

Home

Approvals

My flows

Create

Templates

Connectors

Data

Tables

Connections

Custom connectors

Gateways

Monitor

AI Builder

Process advisor

Solutions

Learn

Ask a chatbot

Create a custom connector of 10

Import an OpenAPI file

Connector name

MinistryPlatform

Import an OpenAPI file

MinistryPlatform.swagger.json

Import

Continue

Cancel

ports at least one connectors

### General information

Add an icon and short description to your custom connector. Your host and base URL will be automatically generated from the swagger file.

#### General information



Upload

Upload connector icon

Supported file formats are PNG and JPG. (< 1MB)

Icon background color

A color to show behind the icon (e.g., '#007ee5')

Description

PowerAutomate Connector for MinistryPlatform by ACST

Connect via on-premises data gateway [Learn more](#)

Scheme \*

HTTPS  HTTP

Host \*

qa.ministryplatform.net

Base URL

/ministryplatformapi

Security →

Connector Name: MinistryPlatform

1. General > 2. Security > 3. Definition > 4. Code (Preview) > 5. Test

Swagger Editor Create connector Cancel

### Security

Choose the authentication type and fill in the required fields to set the security for your custom connector. [Learn more](#)

#### Authentication type

Choose what authentication is implemented by your API \*

OAuth 2.0

Edit

#### OAuth 2.0

Identity Provider

Generic OAuth 2

Client id \*

Client id

Client secret \*

\*\*\*\*\*

Authorization URL \*

https://qa.ministryplatform.net/ministryplatformapi/oauth/connect/authorize

Token URL \*

https://qa.ministryplatform.net/ministryplatformapi/oauth/connect/token

Refresh URL \*

Refresh URL

Scope

openid offline\_access http://www.thinkministry.com/dataplatform/scopes/all

Redirect URL

Save the custom connector to generate the redirect URL

Edit

General Definition

### Identity Provider

Generic OAuth 2

### Client id \*

PowerAutomate

### Client secret \*

.....

### Authorization URL \*

https://qa.ministryplatform.net/ministryplatformapi/oauth/connect/authorize

### Token URL \*

https://qa.ministryplatform.net/ministryplatformapi/oauth/connect/token

### Refresh URL \*

https://qa.ministryplatform.net/ministryplatformapi/oauth/connect/token

### Scope

openid offline\_access http://www.thinkministry.com/dataplatform/scopes/all

### Redirect URL

Save the custom connector to generate the redirect URL

Edit



- Lookup Values
- Test Filtered Pages
- Care Cases
- PocketPlatform
- PocketPlatform Lookups
- FrontPorch Wifi
- Administration
  - Users
  - User Rights & Restrictions
  - Security Roles
  - User Groups
  - User Security Roles
  - Role Reports
  - User Group Users
  - Record Security
  - Identity Providers
  - API Clients
  - Webhooks
  - Delegates
  - Webhook Invocations
  - Processes
  - All Submissions
  - All Steps
  - Export Log
  - Authentication Log
  - Activity Log

General



GENERAL

<b>Display Name *</b> PowerAutomate	<b>Client ID *</b> PowerAutomate
<b>Client Secret</b> [REDACTED]	<b>Client User</b> APIUser (DO NOT EDIT) <a href="#">🔗</a>
<b>Authentication Flow *</b> Authorization Code, Implicit, Hybrid, Client Credentials, or Resource Owner <a href="#">🔗</a>	
<b>Redirect URIs</b> https://global.consent.azure-apim.net/redirect;	
<b>Post Logout Redirect URIs</b> [REDACTED]	
<b>Access Token Lifetime *</b> 60	<b>Identity Token Lifetime *</b> 5
<b>Refresh Token Lifetime *</b> 43200	<b>Authorization Code Lifetime *</b> 5
<b>Is Enabled *</b> Yes	<b>Encryption Key</b>

Tasks

Files

Audit Log

# Stephan Swinford

Stephan has been with **Dream City Church** for 10 years (back when we they were Phoenix First Assembly) and has been a part of the **transition from a single-campus church to now an eight-campus church** spanning four states and three time zones.





**Azure Logic Apps**

**Using ~~PowerAutomate~~ to**

**Automate Ministry**











# STATEMENT DELIVERY SWITCHER

## Giving Statement Delivery Method

Thanks, Stephan. Your statement delivery method has been updated to online delivery.  
You may access your statement online at [My Giving](#).

[Change back to postal mail.](#)

# WEATHER EVENT METRICS

<input type="checkbox"/>		● Weather   Water Baptism   10/23/2022 11:00 AM MT	Weather	68
<input type="checkbox"/>		● Weather   Weekend Service   10/23/2022 11:00 AM MT	Weather	68
<input type="checkbox"/>		● Weather   Weekend Service   10/23/2022 11:00 AM MT	Weather	68
<input type="checkbox"/>		● Weather   Weekend Service   10/23/2022 11:00 AM MT	Weather	46
<input type="checkbox"/>		● Weather   DREAMarriage Class   10/23/2022 10:30 AM MT	Weather	68
<input type="checkbox"/>		● Weather   Water Baptism   10/23/2022 10:00 AM MT	Weather	48

# BAPTISM MILESTONE TO PDF



# RELEASE FORM TO PDF

## Adult Release Form



IP Address: 72.216.11.111  
Submitted Date: 10/28/2022  
Expires Date: 10/27/2023

First Name: Bilbo Last Name: Baggins  
Email Address: baggins@dreamcitychurch.us Mobile Phone: (602) 787-5610  
Address: 13613 N Cave Creek Rd  
City: Phoenix State: AZ Zip: 85022-5185  
D/O/B: 02/01/1997 Gender: Male

### **ADULT PARTICIPATION RELEASE FORM**

I, in consideration of participation in the activities and programs at Dream City Church, intend to be legally bound,

# RELEASE FORM WIDGET

## Household Participation Release Forms

**Anastasia Swinford**

✖ No valid Participation Release Form on file. [Complete your form here.](#)

**Stephan Swinford**

✔ Participation Release Form valid until February 22, 2023.

**Samantha Swinford**

✖ No valid Participation Release Form on file. [Complete your form here.](#)

**Arielle Swinford**

✔ Participation Release Form valid until August 24, 2023.

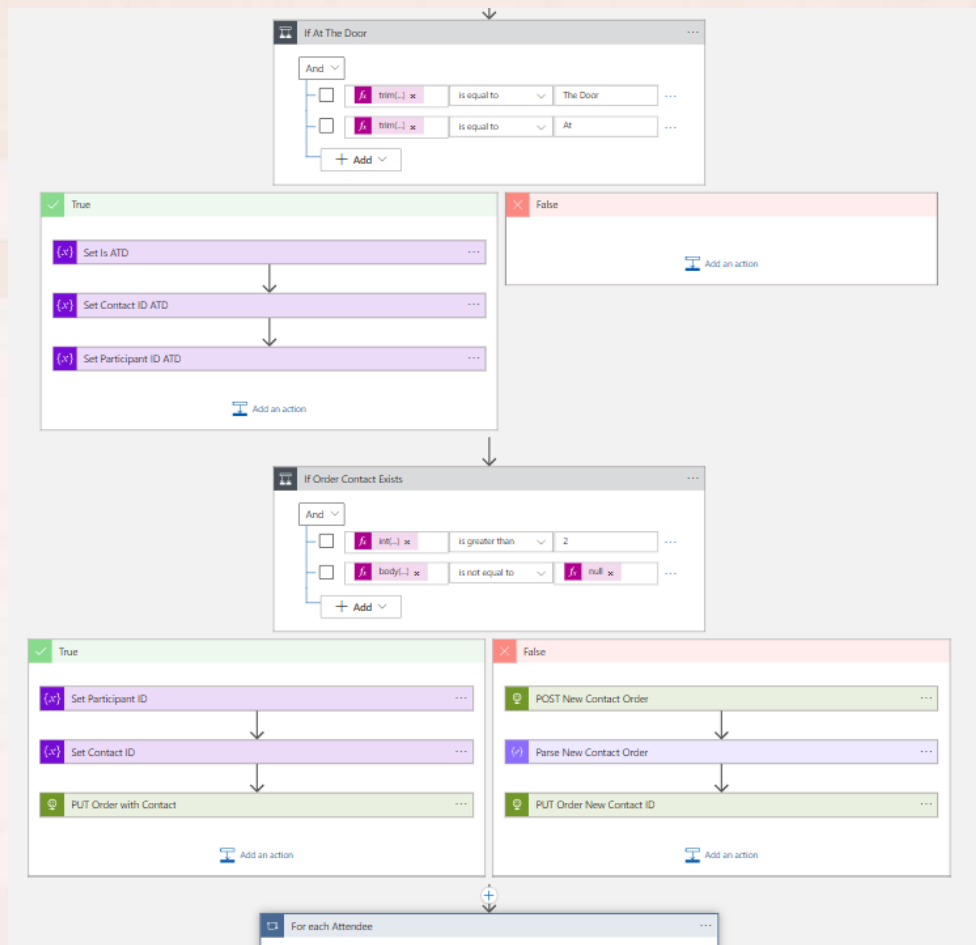
# DCC'S LOGIC APPS

- Eventbrite Orders & Attendees
- Statement Delivery Switcher
- Weather Event Metrics
- Address Validator
- Twilio STOP do-not-text
- Default Contact Handling
- Birthday Week Attribute
- Release Form to PDF
- Release Form Widget
- Baptism Milestone to PDF
- P4C Deposit to Payments
- \*Baby Dedication Certificate
- \*Certificates Widget
- \*Payments to Intacct GL

# WHAT IS LOGIC APPS

- “Low Code/No Code” automated workflows
- Part of the Azure cloud services
- Trigger and one or more Actions in a visual layout





## Create Logic App ...

all your resources.

Subscription \* ⓘ

Microsoft Azure Sponsorship

Resource Group \* ⓘ

RG-WUS2

[Create new](#)

### Instance Details

Logic App name \*

dcc-myLogicApp ✓

Region \*

South Central US

Enable log analytics \*

Yes  No

Plan type \*

The plan type you choose dictates how your app scales, what features are enabled, and how it is priced. [Learn more](#)

Plan type \*

- Standard:** Best for enterprise-level, serverless applications, with event-based scaling and networking isolation.
- Consumption:** Best for entry-level. Pay only as much as your workflow runs.

[Looking for the classic consumption create experience? Click here](#)

### Zone redundancy (preview)

Set up your Consumption logic app to use availability zones in Azure regions that support zone redundancy. This option is available only when you create and deploy your logic app. Eventually, all Consumption logic apps in zone supported regions will enable availability zones by default. [Learn more](#)

Zone redundancy

- Enabled:** Your Consumption logic app uses availability zone.
- Disabled:** Your Consumption logic app doesn't use availability zones.

**Get MP Auth**

\* Method: POST

\* URI: https://my.dreamcitychurch.us/ministryplatformapi/oauth/connect/token

Headers

Authorization	Basic QVBjQ2xpZW50SUQ6QVB JQ2xpZW50U2VjcmV0	✕	📄
Content-Type	application/x-www-form-urlencoded	✕	
Enter key	Enter value		

Queries

Enter key	Enter value	📄
-----------	-------------	---

Body

```
grant_type=client_credentials&client_id=APIClientID&client_secret=APIClientSecret&scope=http%3A%2F%2Fwww.thinkministry.com%2Fdataplatfrom%2Fscopes%2Fall&=
```

Cookie

Enter HTTP cookie

Add new parameter

**BASE64 Encode:**

**APIClientID:APIClientSecret**

# RESOURCES

**Microsoft Azure Sponsorship \$3,500**

<https://nonprofit.microsoft.com>

**Faith Chapel API Documentation on GitHub**

<https://github.com/faithchapel/mp-rest-documentation>

**MP API Swagger**

<https://my.church.org/ministryplatformapi/swagger>

**MP Knowledge Base**

<https://ministryplatform.com/kb>



# Heather Haremski

Heather has worked with MinistryPlatform first as a SPoC, then as a Support Agent and Coach, and now as the Professional Services Technical Coordinator.

She is **passionate about helping churches** go beyond counting their sheep to truly knowing their sheep.



# PowerAutomate & MP

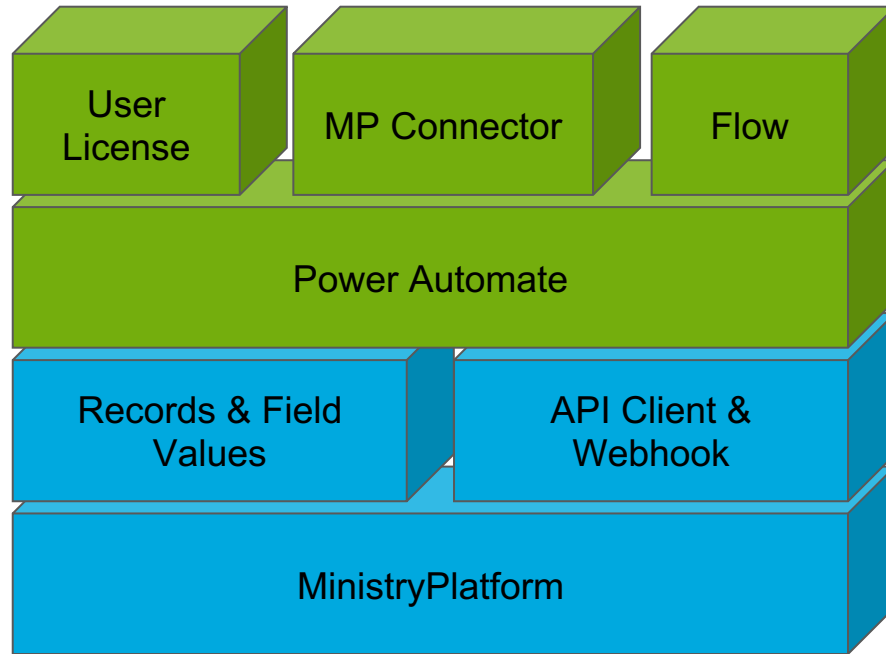
For the non-developer!

# Why Power Automate?

The power of stored procedures for automation, in your hands, with low-to-no code\*, no developer required

*\*some simple JSON required*

# “Building Blocks”





# SMS Opt-In

*Consent to receive text messages*

GOAL: Allow Contacts to opt-in to receive text messages by clicking a checkbox on any Custom Form (including registrations!)

I would like to OPT IN to receiving text messages from this church!

Submit



Contact #5093

Haremski, Heather

Active Head of Household Married Partially Engaged

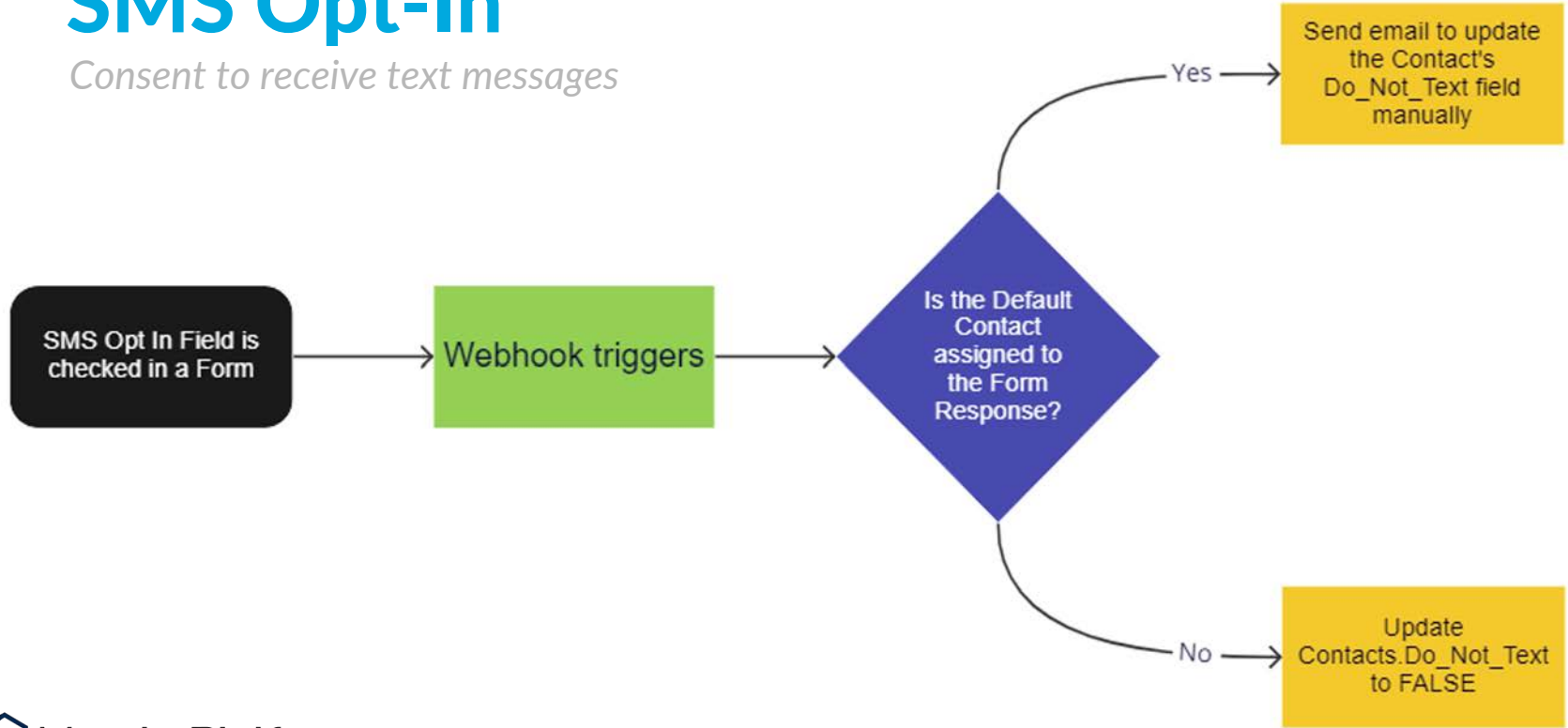
[General](#) [Primary Family](#) [Groups](#) [Relationships](#) [Milestones](#) [Message Log](#) [Feedback & Prayer](#) [Subscriptions](#)

<b>Bulk Email Opt Out *</b> No	<b>Email Unlisted *</b> No
<b>Do Not Text *</b> No	<b>Mobile Phone Unlisted *</b> No

A red arrow points from the 'Submit' button in the form on the left to the 'Do Not Text' field in the contact profile on the right.

# SMS Opt-In

*Consent to receive text messages*



Webhook #7

● SMS Opt In

General

GENERAL

**Display Name \***  
SMS Opt In

**Description**

**Http Method \***  
POST

**Uri Template \***  
https://prod-23.westus.logic.azure.com:443/workflows/9aacc93f2307438a90d4d0e5cb61d750/triggers/manual/paths/invoke?api-version=2016-06-01&sp=%2Ftriggers%2Fmanual%2Frun&sv=1.0&sig=a73PA-YR.JwpOh3CUoRlav18ZtF21gqG6vgHu01cwkY4

**Body Template**  
{  
  "recordID": [dp\_RecordID]  
}

**Headers Template**

**Trigger Fields**

**Dependent Condition**  
(SELECT Field\_Label FROM Form\_Fields FF WHERE FF.Form\_Field\_ID = Form\_Response\_Answers.Form\_Field\_ID) LIKE 'SMSOPTIN'

**Trigger On Create \***  
Yes

**Trigger On Update \***  
Yes

**Trigger On Delete \***  
No

**Active \***  
Yes

**Trigger On File Change \***  
No

**Field Order \***  
10

**Field Type \***  
Checkbox


**Alternate Label**  
I would like to OPT IN to receiving text messages from this church!

**Field Label \***  
SMSOPTIN

**Max Retries \***  
5

**Table Name \***  
Form\_Response\_Answers

Webhook #7

 SMS Opt In

General

GENERAL

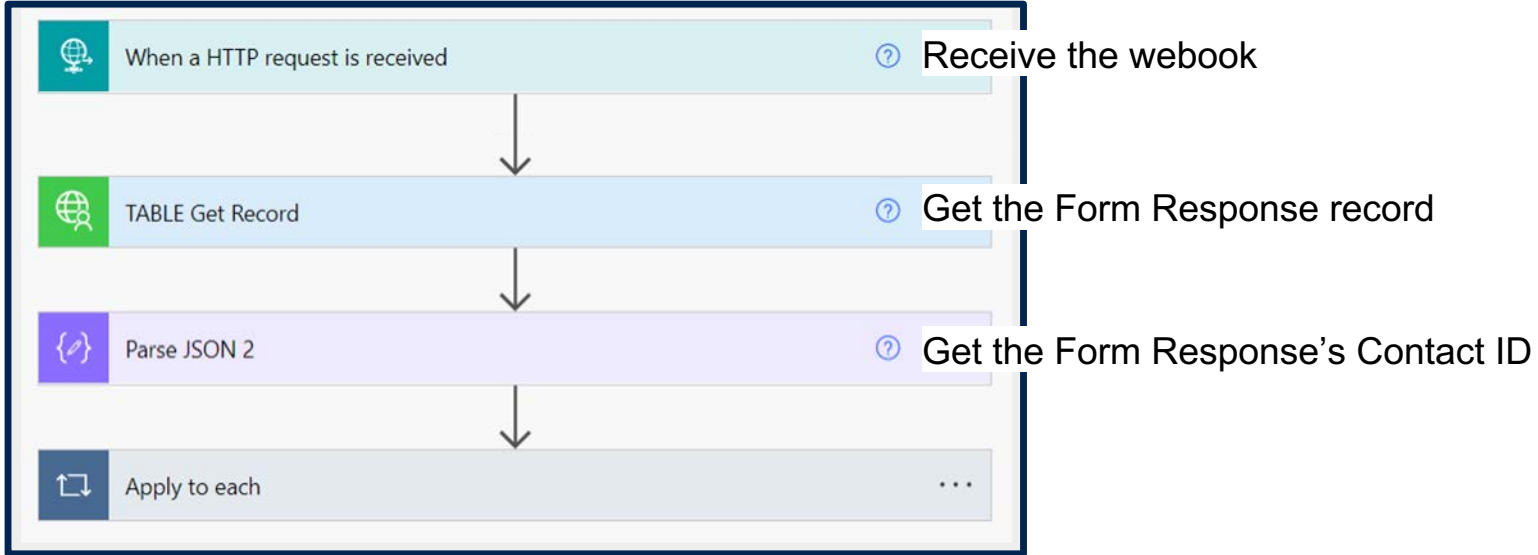
**Display Name \***  
SMS Opt In

**Description**

**Http Method \***  
POST

**Uri Template \***  
https://prod-23.westus.logic.azure.com:443/workflows/9aacc93f2307438a90d4d0e5cb61d750/triggers/manual/paths/invoke?api-version=2016-06-01&sp=%2Ftriggers%2Fmanual%2Frun&sv=1.0&sig=a73PA-YR.JwpOh3CUoRlavI8ZtF21gqG6vgHu01cwkY4

<b>Body Template</b> { "recordID": [dp_RecordID] }	<b>Trigger On Create *</b> Yes	<b>Trigger On Update *</b> Yes
<b>Headers Template</b>	<b>Trigger On Delete *</b> No	<b>Max Retries *</b> 5
<b>Trigger Fields</b>	<b>Active *</b> Yes	<b>Table Name *</b> Form_Response_Answers
<b>Dependent Condition</b> (SELECT Field_Label FROM Form_Fields FF WHERE FF.Form_Field_ID = Form_Response_Answers.Form_Field_ID) LIKE 'SMSOPTIN'	<b>Trigger On File Change *</b> No	



The screenshot displays a workflow configuration window titled "Apply to each". At the top, it says "Select an output from previous steps" and shows "Body, x". Below this is a "Condition" step with the logic: "Contact... x is not equal to 2".

**If yes path:**

- Action: TABLE Update Record
- Table: Contacts
- Content-Type: application/json
- Accept: application/json
- Sselect: (empty)
- \$allowCreate: (empty)
- body Item - 1:

```
{
  "Contact_ID": Contact_ID, x
  "Do_Not_Text": 0
}
```
- Buttons: + Add new item, Add an action

**If no path:**

- Action: Create Email Communication
- Content-Type: application/json
- Accept: application/json
- CommunicationType: Email
- AuthorUserId: 365
- Subject: First\_Name x Last\_Name x would like to opt-in to SMS!
- Body:

```
Hello!
<br/>The following individual completed a form and indicated they would like
to opt-IN to receiving text messages:
<br/>First Name: <strong> First_Name x </strong>
<br/>Last Name: <strong> Last_Name x </strong>
<br/>Email Address: <strong> Email_Address x </strong>
<br/>Phone Number: <strong> Phone_Number x </strong>
<br/>
<br/>Their Form Response is assigned to the Default Contact. Please access
their Contact record and set the Do Not Text field to "No".
<br/>
<br/><a href="https://ps.ministryplatform.net/mp/425/ recordID x
">Jump to this Form Response record </a>
```
- FromContactId: 5093
- ReplyToContactId: 5093
- Contacts Item - 1: 5093

If the Contact is NOT the Default Contact, update the Contacts.Do\_Not\_Text field to FALSE

If the Contact is the Default Contact, send an email to a Contact with the Form Response's Contact information

# Enforce MFA

*Multi-Factor Authentication*

GOAL: When a Security Role is assigned to a User, set MFA Required to "Yes"

User #18  
● PastorBob

General Roles User Groups Identities Assigned Tasks Delegate of

+ [Search] in: All Records [Filter] [Bell]

	Role Name	Description
<input type="checkbox"/>	Basic Reports	Reports to which everyone can and should have ac
<input type="checkbox"/>	Care Cases	Allows users to access Care Cases as a pastor or li
<input type="checkbox"/>	CareLife Case Administrator	WARNING: DO NOT EDIT THE NAME OF THIS SECU

User #18  
● PastorBob

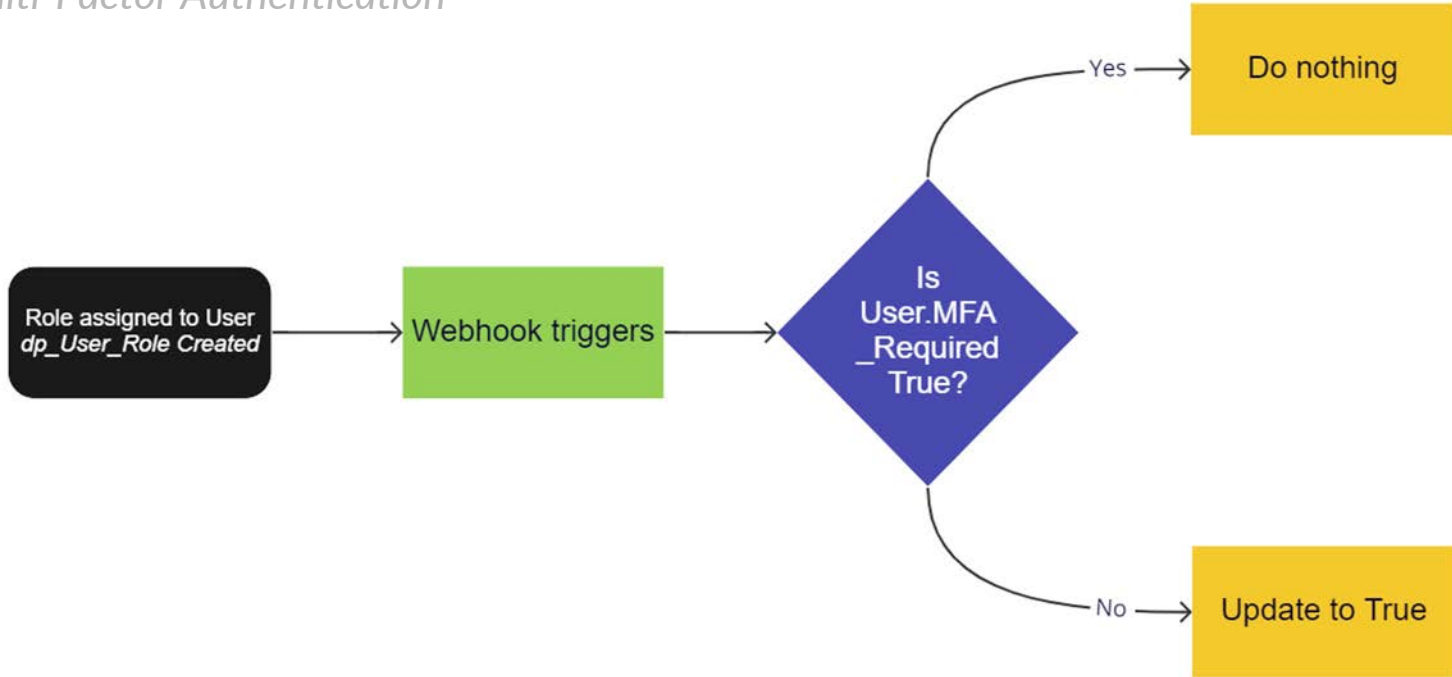
General Roles User Groups Identities Assigned Tasks Delegate of

[Edit] [Share] [Trash] [Lock] [Link] [Bell] [Settings]

No	No
Update Permitted *	Delete Permitted *
No	No
Login Attempts *	MFA Required
0	N/A


# Enforce MFA

*Multi-Factor Authentication*





Webhook #16

 Enforce MFA

General

GENERAL

**Display Name \***  
Enforce MFA

**Description**  
This Webhook Triggers a PowerAutomate Process to Enforce MFA for any user with a security role.

**Http Method \***  
POST

**Uri Template**  
[https://prod-00\\_westus.logic.azure.com:443/workflows/2885a2b157134a9c9a0dd942f3418c06/triggers/manual/path-ani-version=2016-06-](https://prod-00_westus.logic.azure.com:443/workflows/2885a2b157134a9c9a0dd942f3418c06/triggers/manual/path-ani-version=2016-06-)

**Body Template**  
{ "id": [dp\_RecordID], "userId": [dp\_UserID], "changeType": "[dp\_AuditType]" }

**Headers Template**  
Content-Type: application/json

**Trigger Fields**

**Dependent Condition**

**Trigger On Create \***  
Yes

**Trigger On Update \***  
Yes

**Trigger On Delete \***  
No

**Active \***  
Yes

**Table Name \***  
dp\_User\_Roles

**Max Retries \***  
10

**Trigger On File Change \***  
No

Webhook #16

Enforce MFA

General

GENERAL

**Display Name \***  
Enforce MFA

**Description**  
This Webhook Triggers a PowerAutomate Process to Enforce MFA for any user with a security role.

**Http Method \***  
POST

**Uri Template**  
[https://prod-00\\_westus.logic.azure.com:443/workflows/2885a2b157134a9c9a0dd942f3418c06/triggers/manual/path?api-version=2016-06-](https://prod-00_westus.logic.azure.com:443/workflows/2885a2b157134a9c9a0dd942f3418c06/triggers/manual/path?api-version=2016-06-)

**Body Template**  
{ "id": [dp\_RecordID], "userId": [dp\_UserID], "changeType": "[dp\_AuditType]" }

**Headers Template**  
Content-Type: application/json

**Trigger Fields**

**Dependent Condition**

**Trigger On Create \***  
Yes

**Trigger On Update \***  
Yes

**Trigger On Delete \***  
No

**Active \***  
Yes

**Trigger On File Change \***  
No

**Max Retries \***  
10

**Table Name \***  
dp\_User\_Roles



The screenshot displays a workflow in the Azure Logic App editor. The trigger is "When a HTTP request is received" with the following configuration:

- HTTP POST URL:** `https://prod-00.westus.logic.azure.com:443/workflows/2885a2b157134...`
- Request Body JSON Schema:**

```
{
  "type": "object",
  "properties": {
    "id": {
      "type": "integer"
    },
    "userId": {
      "type": "integer"
    }
  }
}
```
- Options:** "Use sample payload to generate schema" and "Show advanced options" (dropdown).

The workflow continues with two actions:

- Get User Role Records:** An action from the "Identity Platform" connector.
- Process User Role Records:** A custom action.

Arrows indicate the flow from the trigger to the first action, and then to the second action.



Ministry Platform **Get User Role Records** ? ...

\* table

\$select

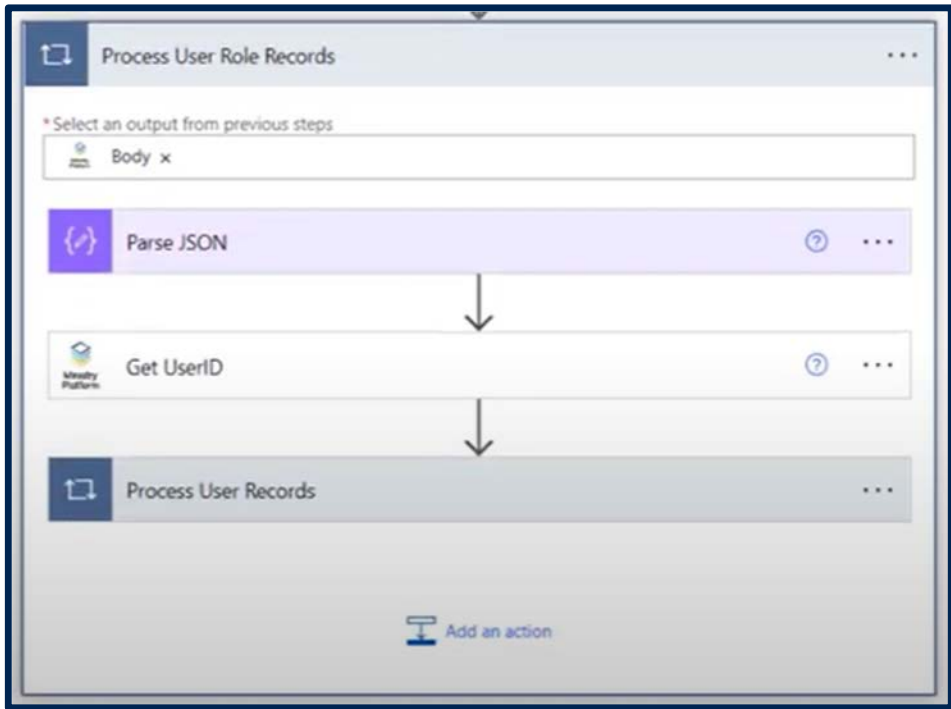
\$filter

\$orderby

\$top

\$skip

Accept



## Process User Records

\* Select an output from previous steps

Body x

Parse UserID



Condition

MFA\_Re... x is equal to 1

+ Add

✓ If yes

Compose 2

✗ If no

Ministry Platform Update Record



✕ If no

Ministry Platform **Update Record** ? ...


\* table


\* Content-Type

\* Accept

\$select

\$allowCreate

body Item - 1 

```
{
  "User_ID":  User_ID x ,
  "MFA_Required": 1
}
```

+ Add new item

# How can PS help\*?

Configure the Power Automate Connector

Create the Flow

*Then YOU can make any modifications necessary!*

*\*subject to the hourly rate*



# Next Steps

1. PowerAutomate License (PS access)
2. Configure the MP Connector
3. MP Webhook
4. PowerAutomate Flow