



Automating with the Microsoft Power Platform

NATIONAL CAPITAL REGION FIRE & EMERGENCY RESPONSE ANALYSTS SYMPOSIUM

FAIRFAX, VA | MAY 3, 2024

Agenda

- ▶ What is it?
- ▶ Licensing
- ▶ Examples
 - ▶ from RMS
 - ▶ from Approvals
 - ▶ from Survey123
 - ▶ from RMS into Lists into Power BI
- ▶ Best Practices

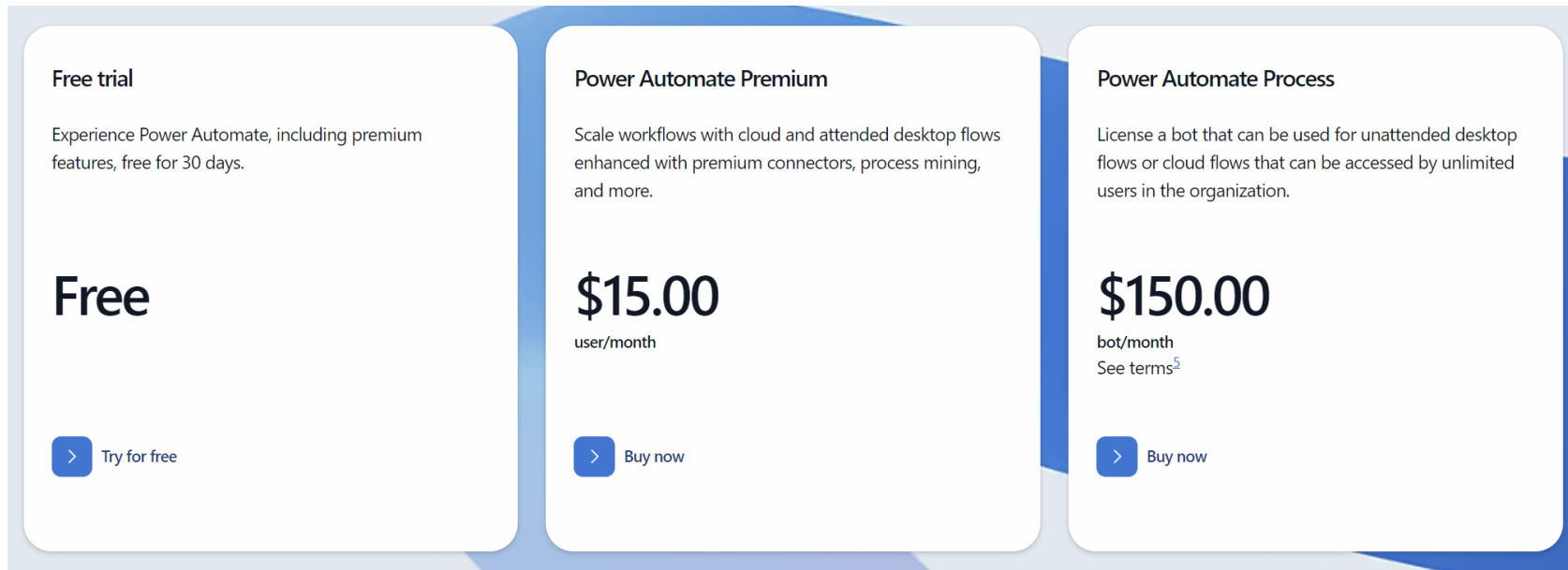
What is Power Automate?

- ▶ Low-Code cloud automation platform
- ▶ If this thing happens, then do this, and then do this other thing
- ▶ Unites the Microsoft world for you
- ▶ Over 1,000 API connectors
- ▶ Prebuilt templates for rapid deployment



Licensing

- ▶ Generally everything with Office365 is free
- ▶ Many external APIs or Microsoft data sources (Dataverse, SQL Server) require Premium
- ▶ Premium is \$15/user/month



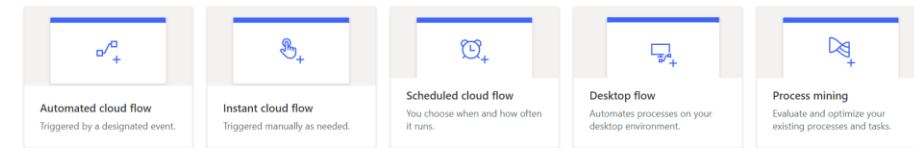
The image shows a screenshot of the Power Automate licensing page. It features three distinct pricing cards arranged horizontally. The first card, 'Free trial', describes a 30-day experience with premium features at no cost, with a 'Try for free' button. The second card, 'Power Automate Premium', details scaling workflows with premium connectors and process mining, priced at \$15.00 per user per month, with a 'Buy now' button. The third card, 'Power Automate Process', describes licensing a bot for unlimited users, priced at \$150.00 per bot per month, with a 'Buy now' button and a link to terms.

License Type	Description	Price	Unit	Action
Free trial	Experience Power Automate, including premium features, free for 30 days.	Free	-	Try for free
Power Automate Premium	Scale workflows with cloud and attended desktop flows enhanced with premium connectors, process mining, and more.	\$15.00	user/month	Buy now
Power Automate Process	License a bot that can be used for unattended desktop flows or cloud flows that can be accessed by unlimited users in the organization.	\$150.00	bot/month See terms⁵	Buy now

Creating a Flow

- ▶ Create based on an action
 - ▶ Automated (when something happens)
 - ▶ Instant (webhook, for a file in SharePoint)
 - ▶ Scheduled (every day at this time)
- ▶ Pre-built templates
- ▶ From a connector

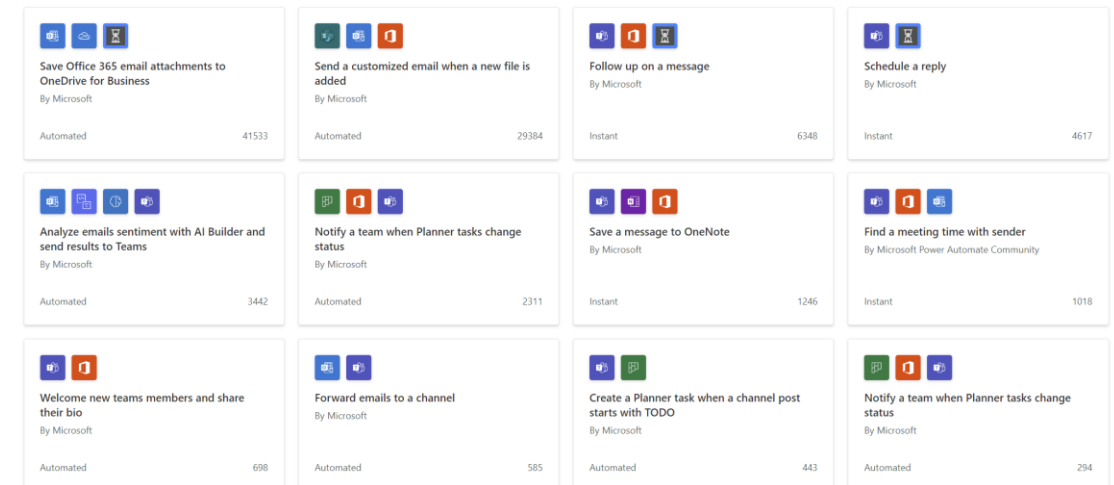
Start from blank ⓘ



Start from a template ⓘ

Top picks Remote work Email Notifications Save to cloud Approval

Search all templates



All templates →

Start from a connector ⓘ



Examples from RMS – AED, Missing ePCR, EZIO

Good morning,

The ePCR for the following patient indicates AED use prior to EMS arrival or bystander CPR.

From: fire.DoNotReply <fire.DoNotReply@fairfaxcounty.gov>

Sent: Thursday, November 18, 2021 7:01 AM

Cc: Hartman, Stephen C. <Stephen.Hartman@fairfaxcounty.gov>; Morrison, John C <John.Morrison@fairfaxcounty.gov>

Subject: ePCR Missing - E213220050 (Beta testing)

Hello,

This is a beta test for missing ePCR notifications. Please provide feedback.

In a routine audit of missing electronic Patient Care Reports (ePCR), it appears you are missing a report for E213220050 at 3709 SOUTH GEORGE MASON DR while on E431.

Per [SOP 01.09.03](#), an ePCR shall be required for every patient encounter. When an EMS incident results in no patient contact, one ePCR shall be completed documenting the reason. When no county transport unit is assigned to the event, the primary county suppression unit on the event shall complete the ePCR.

All incident reports shall be completed prior to the end of the shift or assigned work period.

Thank you.

individual(s) or entitled named. If you receive this e-mail message in error, please immediately notify the sender by e-mail and delete it. Dissemination, forwarding, printing or copying of this e-mail without prior consent of the sender is strictly prohibited.

Examples from RMS – Elevators



DID YOU KNOW?

MARCH 2021

ELEVATOR CALLS

There are only two correct ways to classify elevator calls, but report writers classify them more than ten ways in ImageTrend. This makes it difficult to address chronic outages at the same location, which wastes time and drains resources.

When writing your next elevator incident report, ask just one question...

Is there a person stuck in the elevator

If YES...

Incident Type:



353-Removal of victim(s)
from stalled elevator



If NO...

Incident Type:



555-Defective elevator,
no occupants



If there are no stuck occupants and the elevators are in working order, the correct incident type would be 600. See the 500 vs 600 DYK for more details.

DAD JOKE

Q: Why are elevator jokes so classic and good?

A: Because they work on many levels



Franklin County Fire and Rescue Department
Data Analytics
Division



Reference: NFIRS Manual, pg. 3-24

Power Automate – Elevator Flow

Select an output from previous steps

Table1 x

Send an email to ATIS

*Original Mailbox Address: fire.DoNotReply@fairfaxcounty.gov x

*To: {x} ATIS emails x

*Subject: Elevator out of service at {x} Basic_Incident_... x | FRD Incident #
{x} Basic_Incident_... x

*Body: Arial 12 B I U [Rich Text Editor]
Hello,

The Fairfax County Fire & Rescue Department responded to an incident regarding the following out-of-service elevator.

Incident #: {x} Basic_Incident_Number x
Incident Date/Time: {x} Basic_Incident_PSAP_Date_Time x
Incident Location: {x} Basic_Incident_Full_Address x
Property Type: {x} Basic_Property_Use x
Elevator #/Location Description: {x} ElevatorNumberDescription x
Report Narrative: {x} Narrative x

There have been a total of {x} Last30Days x calls for an out-of-service elevator at this address in the last 30 days.

Thanks!

Show advanced options v

+ v

Update PowerAutomateLog proc

- ✓ Run everyday at 8am
- ✓ Convert the time to EDT
- ✓ Execute a stored procedure to grab elevator calls
- ✓ Parse that data into a readable format
- ✓ Create a variable for the ATIS email address
- ✓ If no elevator calls return, do nothing
- ✓ If one or more elevator calls return, loop over each one and send this email

Examples From Approvals

► Recruit Processing



Examples From Survey123

- ▶ Medication Accountability
- ▶ Fire Code Violations
- ▶ APS/CPS/Hoarding Notifications

- ▶ Survey123 can call web service
- ▶ On submit, Webhook receives data
- ▶ Stored Procedure queries CAD/RMS info
- ▶ HTTP Post for photos from GIS portal
- ▶ Email notifications

Survey123 - Notifications

Send APS Email

Parameters Settings Code View Testing About

Original Mailbox Address *

fire.DoNotReply@fairfaxcounty.gov

To *

[redacted]@fairfaxcounty.gov

Subject *

APS FRD Notification - From [v] Body unid [x] - [f] convertF... [x]

Body *

Normal Arial 15px B I U A [v] [x] emailBody [x]

Adult Protective Services,

Advanced parameters

Showing 4 of 6

Show all

Clear all

CC

[x] unitOffic... [x] emsCapt... [x] [x]

BCC

Specify email addresses separated by semicolons like someone@contoso.com

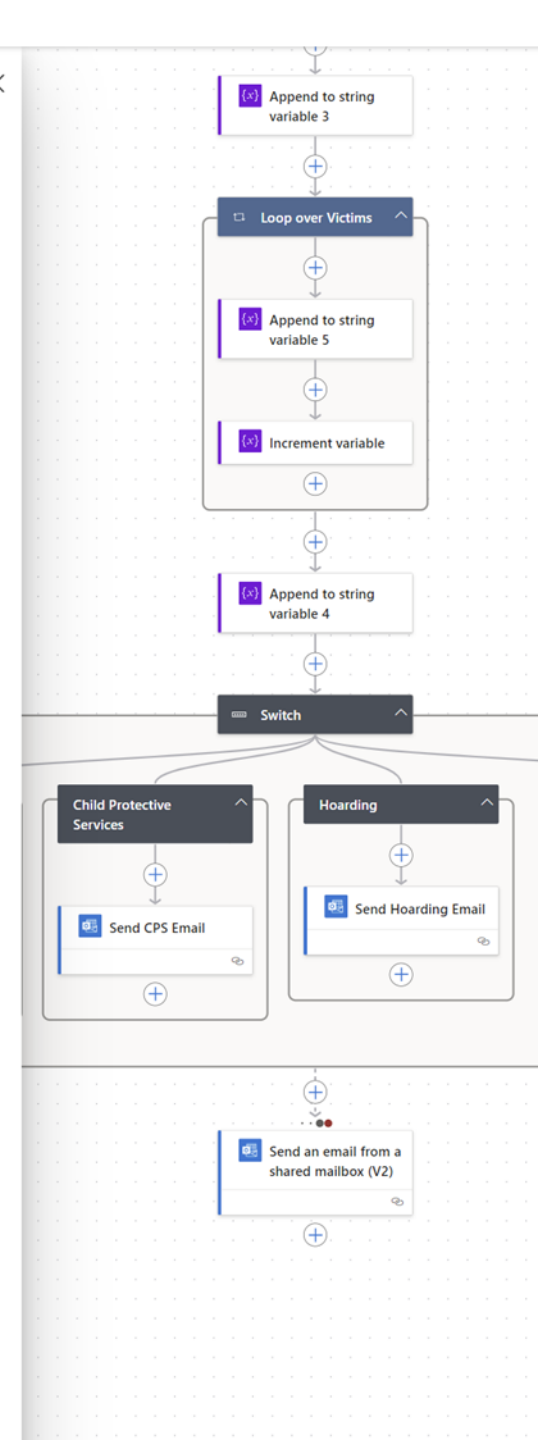
Attachments

Attachments Item [x] photos [x]

Importance

Normal

Connected to FRDITOutlook. [Change connection reference](#)



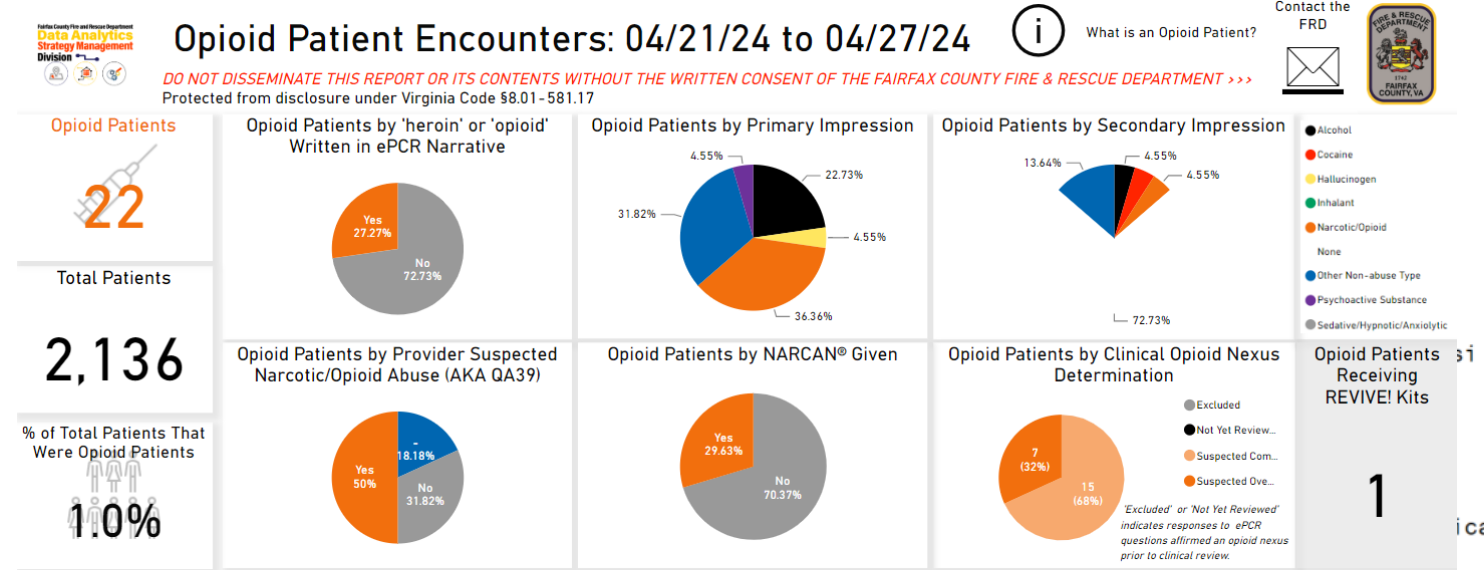
Due: FS442)

Examples From RMS into Lists into Power BI

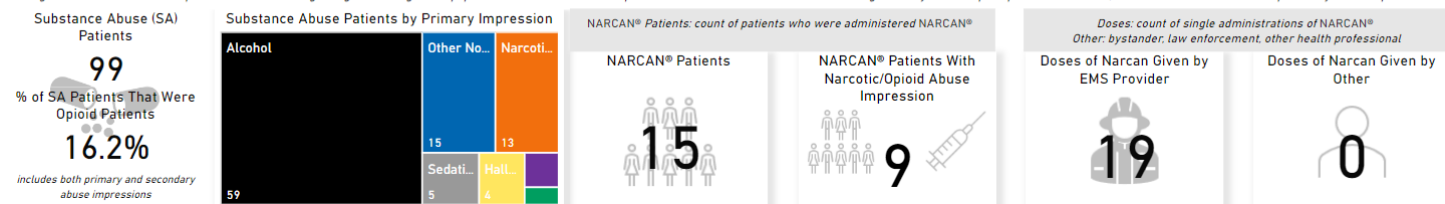
► Opioids

- RMS: Stored procedure queries for opioid patients
- Lists: RN confirms involvement and adds contact information
- RMS: Stored procedure returns updated data to data warehouse
- Power BI: Displays opioid patient information

|ALTER procedure [flow] . [usp_Update_OpioidPopulation_Review]



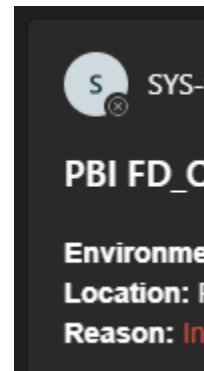
Figures beneath the line are provided for context regarding the more general populations of substance abuse patients and Narcan administrations. These figures may include opioid patient encounters, but should be considered independently of those patients.





end


Best Practices

- ▶ Service Account
- ▶ Solutions
- ▶ Power BI Refreshes
- ▶ Standalone Environment
- ▶ Failure Notifications



PA Flow Failed: Accountability Medication


 **fire.DoNotReply**
To  **FIRE-Data Analytics**; Morrison, John C

 This message was sent with High importance.

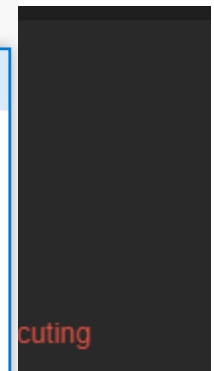
Flow Name: PBI FD_OPS Accountability Medication
Environment: FRD
Location (Solution): PBI FD_OPS

Reason: PBI Refresh Failed

*Subject: PA Flow Failed: Accountability Medication

*Body: 
Flow Name: PBI FD_OPS Accountability Medication
Environment: FRD
Location (Solution): PBI FD_OPS
Reason: PBI Refresh Failed

[Show advanced options](#) ▾





Contact
John Morrison



Contact
Jessica LeBlanc



GitHub Resource
Repository



Analysts
LinkedIn Group



Questions?