

Power BI Fest 2019

More Power

To The Apps!

Hiram Fleitas

Download: github.com/hfleitas/pbifest2019





DBA2.o

Get data fast!

[Let's Work Together](#) [Contact](#) [About](#) [Training](#) [AI \(Demo\)](#)
[PBI \(Demo\)](#)

BIG News – PASS Summit 2019!

07/03/2019

Hiram

[Leave a comment](#)

[Edit](#)

Microsoft Data & AI South FL (Nov 2019) Azure Data Factory

10/24/2019

Hiram

[Leave a comment](#)

I'm very excited to announce that I've been accepted as a speaker at PASS Summit 2019. I'm extremely grateful for the opportunity and look forward to PASS Summit 2019.
Category Session Status General Session The Power Platform Game Changer Accepted General Session Real-time Sentiment Prediction in SQL Server Accepted See you in Seattle, WA... [Continue reading →](#)

Azure Data Factory From On-Prem to Data Warehouse Agenda: Azure Data Factory Data store Connectors 80x On-Premises DevOps Automation Notifications Resources by: Hiram Fleitas Twitter: @hiramfleitas Blog: <http://fleitasarts.com> Video Recording <https://youtu.be/TXxssUeqsOA> Resources fleitasarts.com github.com/hfleitas/rig netflix.com/trollhunters Azure Data Factory: GitHub Integration Azure Data Factory: Documentation Azure Data Factory: Copy Activity Performance Azure Data Factory: Connector Azure SQL Data Warehouse Connector... [Continue reading →](#)



Link to Eval:

bit.ly/pbifest19

Your participation is very important.

Hiram Fleitas

Owner, Fleitas Arts



Bio

Father

Developer since 1995

SQL Server since 1999

Fleitas Arts, LLC since 2008

USCG Auxiliary Flotilla Staff Officer



 @hiramfleitas



 /hfeitas

 hiram@fleitasarts.com

 hiramfleitas

 fleitasarts.com



Agenda

1. Ai Builder (Forms)
2. Row-Level-Security (RLS)
3. Approvals
4. ISS HTTP Web API
5. Power Virtual Agents

DEMO

one

Forms – Ai builder





Leads

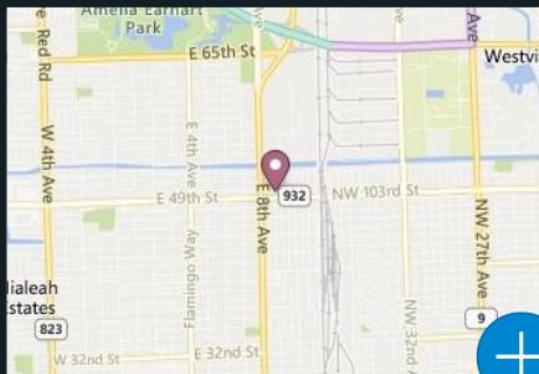


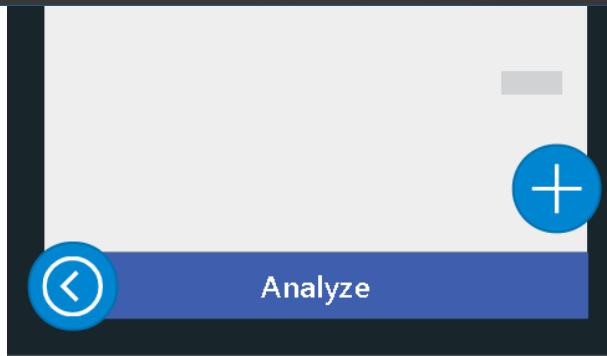
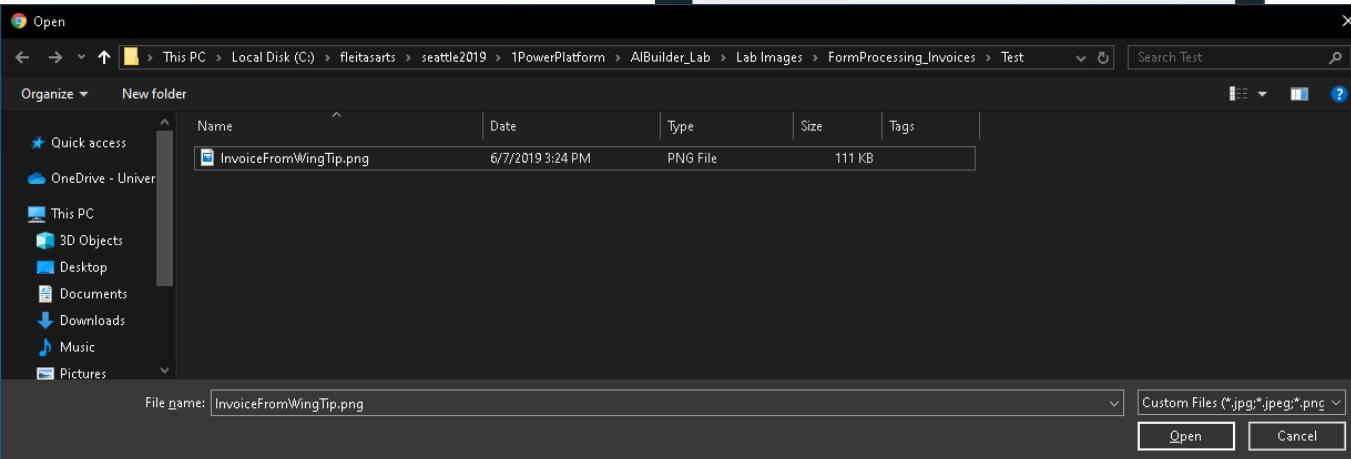
Name

Email

Address

Lead ID





From

wing tip Toys
4 1/2th St
WY 89052
<http://www.wingtiptoys.com/>
SS-325

INVOICE

Date: May 10, 2015
Due Date: May 10, 2015
Balance due: \$ 0.00

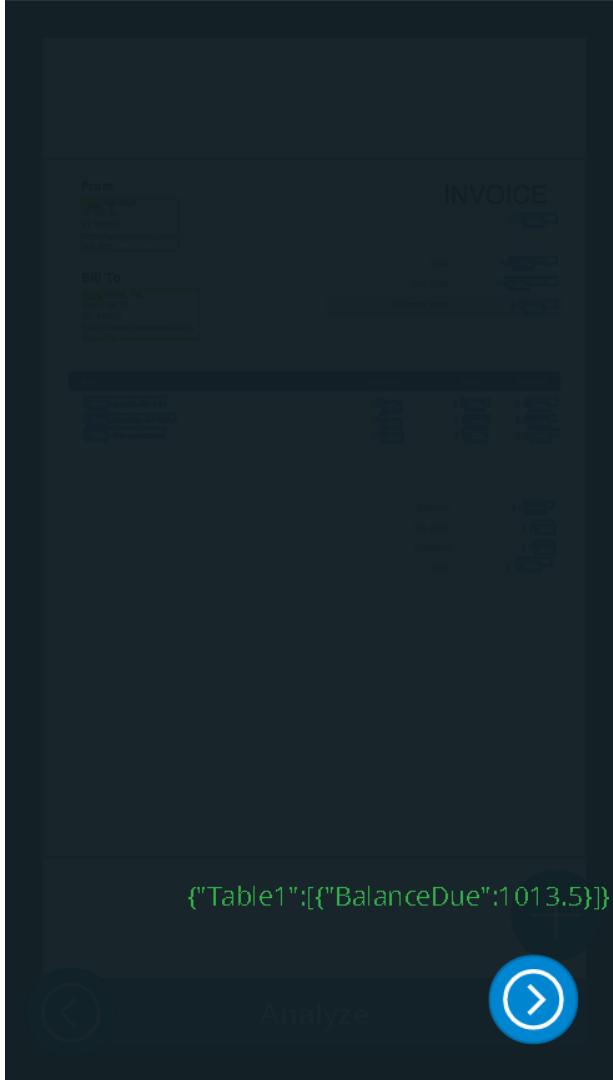
Bill To

Proseware, Inc.
100 7th St
WY 89052
<http://www.proseware.com/>
SS-425

Item	Quantity	Rate	Amount
100% Anank DE 24	24 100%	\$ 1 100%	\$ 24.00
100% Charlie 334Q1	19 100%	\$ 2 100%	\$ 38.00
100% For princess	15 100%	\$ 1 100%	\$ 15.00

Subtotal: \$ 77.00
Tax (2%): \$ 1.54
Shipping: \$ 0.00
Total: \$ 78.54

Analyze



{"Table1": [{"BalanceDue": 1013.5}]}


From

wing tip Toys
4 1/2th St
WY 89052
<http://www.wingtiptoys.com/>
SS-325

INVOICE

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Subtotal: \$ 77.00
Tax (2%): \$ 1.54
Shipping: \$ 0.00
Total: \$ 78.54

Analyze



Leads

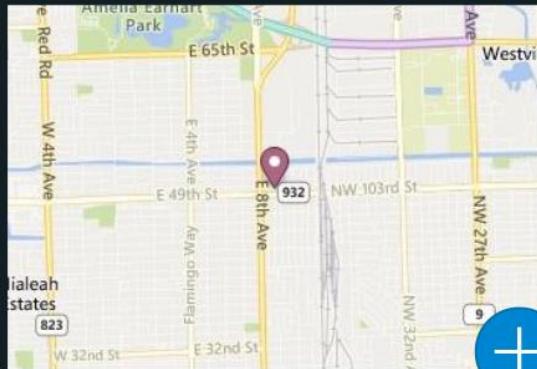


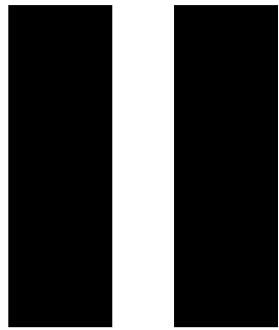
Name

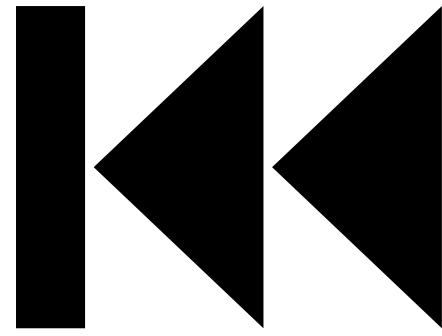
Email

Address

Lead ID









30 days remaining in your **AI Builder free trial**. You won't be able to use your premium models after your trial ends. [Learn more](#)

Enhance your business with AI

Add intelligence to your business. Create tailored AI models to automate processes and find insights. [Learn more](#)

Make your own AI model

Form Processing (preview)
Read and save information from standard documents.

Object Detection (preview)
Recognize and count things in images.

Prediction ⌚
Predict whether something will happen.

Text Classification (preview)
Categorize text by its meaning so it's easier to analyze.

IT WON'T FAIL BECAUSE OF ME

make.powerapps.com/environment/5dceb218-1634-4296-bdc3-8614602f009c/aibuilder/models/e9b692fe-b7fa-e911-a813-000d3a368be7

PowerApps Environment aiaday

PowerApps AI Builder

Share (preview) Settings

Models > invoices

Form Processing (preview) • Published • Hiram Fleitas

Training document See details

Selected fields See all (11)

How your model is used

From

INVOICE

Date

Bill To

Due Date

Balance due

Subtotal

Tax (2%)

Shipping

Total

PowerApps See documentation

Microsoft Flow See documentation

Build

Models

Solutions

Use model

A green box highlights the "Models" option in the sidebar and the "Use model" button at the bottom center.

PowerApps Leads - PowerApps

IT WON'T FAIL BECAUSE OF ME

us.create.powerapps.com/studio/#

PowerApps

PowerApps

File Home Insert View Action

New screen Label Button Text Input Gallery Data table Forms Media Charts Icons AI Builder

DefaultImage fx ...

Tree view

Search

> grpDonePDF
> grpAddPDF
aiFormPDFInvoices
popShadePDF

grpContentPDF

- lblDate
- lblBalanceDue
- lblShipping
- lblTax
- lblSubtotal

tblItem

- lblTotal
- lblDueDate
- lblFrom
- lblBillTo
- lblInvoice

Form processor (preview)

Detects and extracts text in documents. Requires training of an AI model.

Business card reader

Form processor (preview)

Object detector (preview)

Properties Advanced

Text Analyze

Display mode Edit

Show form On

AI model invoices (e9b692fe-b7fa-...)

Visible On

Position 40 40 X Y

Size 570 1056 Width Height

Show confidence On

Analyze

scrPDF aiFormPDFInvo...

Leads

Environment aiaday (org3f000378)

40 %

DEMO

two

Row-Level-Security (RLS)



PowerAppsRLS - Power BI Desktop

File Home Modeling Help

Cut Copy Format Painter Paste Get Data Sources Enter Data Refresh New Page New Visual Ask A Question Buttons Text box Image From Marketplace From File Switch Theme Manage Relationships Publish Clipboard External data Insert Custom visuals Themes Relationships Share

Fields

Search

data

- account
- amount
- sales rep**

roles

- role
- sales rep**

Edit relationship

Select tables and columns that are related.

data

sales rep	account	amount
hiram fleitas	sealand	10
Christina	solomiani	10
Brent Carpenetti	hannover	10

roles

sales rep	role
hiram fleitas	ceo
Christina	vp
Brent Carpenetti	mgr

Cardinality

Many to one (*:1)

Cross filter direction

Both

Make this relationship active

Apply security filter in both directions

Assume referential integrity

OK Cancel

All tables +

PowerAppsRLS - Power BI Desktop

File Home View Modeling Help Hiram Fleitas

Cut Copy Format Painter Get Data Recent Sources Enter Data Refresh New Page New Visual Ask A Question Buttons Text box From Marketplace From File Switch Theme Manage Relationships New Measure New Column New Quick Measure Publish Clipboard External data Insert Custom visuals Themes Calculations Share

sales rep

vp

20 total accounts

amount by sales rep

amount by account

sales rep

Christina

0 5 10 15 20

account

fleitats arts

solomianyi

0 2 4 6 8 10

RLS +

Visualizations Fields

Search

data

- account
- Σ amount
- sales rep

roles

- role
- sales rep

Values Add data fields here

Drillthrough

Cross-report

Off

Keep all filters

On

Add drillthrough fields here

PAGE 1 OF 1

PowerAppsRLS - Power BI Desktop

File Home View Modeling Help

Manage Relationships New Measure New Column New Table New Parameter Sort by Column Sort Data type: \$ % .00 Auto Data Category: Uncategorized Default Summarization: Don't summarize Properties

Manage Roles View as Roles Security Groups Calendars Q&A Setup Language Linguistic Schema

Manage Roles Create, change, roles.

Visualizations Fields

Search

data

- account
- amount
- sales rep

roles

- role
- sales rep

Values Add data fields here

Drillthrough

Cross-report Off

Keep all filters On

Add drillthrough fields here

sales rep amount by sales rep

sales rep	amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10

account amount by account

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

RLS +

PAGE 1 OF 1

PowerAppsRLS - Power BI Desktop

File Home View Modeling Help Sign in

Manage Relationships New Measure Column New Table New Parameter What If Sort by Column Sort Formatting Data type: \$ % .00 Auto Data Category: Uncategorized Default Summarization: Don't summarize Home Table: Properties Manage Roles View as Roles Security Groups New Group Edit Groups Mark as Date Table Calendars Q&A Setup Language Linguistic Schema Q&A

Relationships Calculations What If Sort Formatting

Manage Relationships New Measure Column New Table New Parameter What If Sort by Column Sort Formatting Data type: \$ % .00 Auto Data Category: Uncategorized Default Summarization: Don't summarize Home Table: Properties Manage Roles View as Roles Security Groups New Group Edit Groups Mark as Date Table Calendars Q&A Setup Language Linguistic Schema Q&A

Manage roles

Roles Tables

ceo data
it roles
mgr
vp

Create Delete

Table filter DAX expression

[role] = "vp"

Filter the data that this role can see by entering a DAX filter expression that returns a True/False value. For example: [Entity ID] = "Value"

Save Cancel

amount by sales rep

sales rep

amount

hiram fleitas

Brent Carpenetti

Christina

admin

0 5 10

0 5 10 15 20 25 30 35 40

RLS +

Fields

Search

data

- account
- Σ amount
- sales rep

roles

- role
- sales rep

data fields here

through report filters illthrough fields here

PAGE 1 OF 1

Power BI

IT WON'T FAIL BECAUSE OF ME

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/list/datasets

Power BI DIAD

Home Favorites Recent Apps Shared with me Workspaces DIAD

Search content... Dashboards Reports Workbooks Datasets Dataflows

Showing 6 items

NAME ↑	ENDORSEMENT	REFRESHED	NEXT REFRESH	API ACCESS
DIAD Final Report		3/19/2019, 10:37:34	N/A	--
DIAD Final Report with Cortana		5/12/2019, 2:05:09	N/A	--
DIAD Final Report with RLS		3/10/2019, 10:04:01	N/A	--
FA Year Over Year		5/12/2019, 2:08:18	N/A	--
PowerAppsRLS		10/14/2019, 5:00:45	N/A	--
Social		3/9/2019, 12:18:08	N/A	--

Settings
Rename
Delete
Analyze in Excel
Quick insights
Security
Manage permissions
Download .pbix

New look on List view Update app

Get data

IT WON'T FAIL BECAUSE OF ME

Power BI

IT WON'T FAIL BECAUSE OF ME

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/rowLevelSecurity/3896284

Power BI DIAD > Row-Level Security

New look on

Home

Favorites

Recent

Apps

Shared with me

Workspaces

DIAD

Get data

Row-Level Security

Members (1)

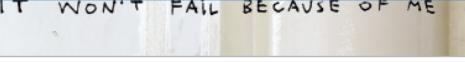
People or groups who belong to this role

Enter email addresses

Add

Christina

Save Cancel



IT WON'T FAIL BECAUSE OF ME

PowerAppsRLS - Power BI

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/reports/b3c1d4f0-d1f5-4e91-9ec0-90fb6d4cd7e/ReportSection

Power BI DIAD > PowerAppsRLS

PowerAppsRLS | Data updated 10/30/19

New look on

Reset to default

Bookmarks

View

Home

Favorites

Recent

Apps

Shared with me

Workspaces

DIAD

Export Share Subscribe Comments Favorite ...

Pin visual

ceo IT ... mgr vp

90 total 9 accounts

amount by sales rep

sales rep	amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10

amount by account

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

Get data

The dashboard displays the following data:

- Matrix:** A 2x2 grid showing roles and names:
 - Top-left: admin
 - Top-right: Christina
 - Bottom-left: Brent Carpenetti
 - Bottom-right: hiram fleitas
- KPIs:** CEO: 90 (total), IT: 9 (accounts), mgr, vp.
- Bar Chart - amount by sales rep:**

sales rep	amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10
- Bar Chart - amount by account:**

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10
- Donut Chart:** A blue donut chart with a white crescent shape in the center.

IT WON'T FAIL BECAUSE OF ME

PowerAppsRLS - Power BI

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/reports/b3c1d4f0-d1f5-4e91-9ec0-90fbcd4cd7e/ReportSection

Power BI DIAD > PowerAppsRLS

PowerAppsRLS | Data updated 10/30/19

New look on

Reset to default

Bookmarks

View

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Workspaces

DIAD

Export Share Subscribe Comments Favorite ...

ceo IT... mgr vp

sales rep

admin Christina

Brent C...

total

amount by sales rep

hiram fleitas

Brent Carpenetti

Christina

admin

90

0 5 10 15 20 25 30 35 40

amount

Pin to dashboard

Select an existing dashboard or create a new one.

Where would you like to pin to?

Existing dashboard

New dashboard

Dashboard name

PowerAppsRLS

Pin Cancel

40

10

10

10

10

10

10

0 5 10 15 20 25 30 35 40

amount

ACCO sealand

solomiani

upcic

Get data

Filters

IT WON'T FAIL BECAUSE OF ME

PowerAppsRLS - Power BI

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/reports/b3c1d4f0-d1f5-4e91-9ec0-90fb6d4cd7e/ReportSection

Power BI DIAD > PowerAppsRLS

PowerAppsRLS | Data updated 10/30/19

New look on

Reset to default

Bookmarks

View

Home

Favorites

Recent

Apps

Shared with me

Workspaces

DIAD

Export Share Subscribe Comments Favorite ...

sales rep

admin	Christina
Brent Carpenetti	hiram fleitas

ceo IT mgr vp

90 9

total accounts

Pin visual

amount by sales rep

sales rep	amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10

amount by account

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

Get data

The dashboard displays the following data:

- Sales Rep Matrix:** A 2x2 grid showing sales rep names. The top row contains "admin" and "Christina". The bottom row contains "Brent Carpenetti" and "hiram fleitas".
- Large Numerical Values:** Four large numbers are displayed horizontally: "ceo" (90), "IT" (9), "mgr", and "vp". Below "90" is the word "total" and below "9" is the word "accounts".
- Blue Circular Icon:** A large blue circle containing a white stylized 'C' or wave-like symbol.
- Amount by Sales Rep:** A horizontal bar chart showing the total amount for each sales rep. The data is:

Sales Rep	Amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10
- Amount by Account:** A horizontal bar chart showing the total amount for each account. The data is:

Account	Amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

IT WON'T FAIL BECAUSE OF ME

PowerAppsRLS - Power BI

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/reports/b3c1d4f0-d1f5-4e91-9ec0-90fbcd4cd7e/ReportSection

Power BI DIAD > PowerAppsRLS

PowerAppsRLS | Data updated 10/30/19

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Reset to default

Bookmarks

View

Home

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Apps

Shared with me

Workspaces

DIAD

Export Share Subscribe Comments Favorite ...

Reset to default Bookmarks View

Filters

sales rep

admin	Christina
Brent Carpenetti	hiram fleitas

ceo IT mgr vp

90 9

total accounts

Pin visual

amount by sales rep

sales rep	amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10

amount by account

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

Get data

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- Large Numerical Values:** Four large numbers are displayed horizontally: "ceo" (90), "IT" (9), "mgr", and "vp". Below "90" is the word "total" and below "9" is the word "accounts".
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Sales Rep	Amount
hiram fleitas	40
Brent Carpenetti	20
Christina	20
admin	10
- Amount by Account:** A horizontal bar chart showing the total amount for each account. The data is:

Account	Amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

PowerAppsRLS - Power BI

IT WON'T FAIL BECAUSE OF ME

app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/dashboards/0988839a-9d21-4bde-ae4e-948e33bedca8

Power BI DIAD > PowerAppsRLS

PowerAppsRLS

New look on

Export Share Subscribe Comments Favorite ...

Ask a question about your data

total accounts

90 9

super BY ACCOUNT

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

amount BY SALES REP

Get data

90 9

super BY ACCOUNT

account	amount
fleitas arts	40
hannover	10
jlaudio	10
sealand	10
solomiani	10
upcic	10

amount BY SALES REP

IT WON'T FAIL BECAUSE OF ME

Power BI- □ ×app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/list/dashboards★ ⋮Power BI DIADNew look on⋮CreateList viewUpdate app⋮

Home

Favorites

Recent

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Shared with me

Workspaces

DIAD

Get data

Search content...

Dashboards Reports Workbooks Datasets Dataflows

NAME ↑	ACTIONS	OWNER
FA PIF and PREM	    	DIAD
PowerAppsRLS	    	DIAD
Quick Insights	    	<input checked="" type="checkbox"/> Yes
VanArsdel	    	<input checked="" type="checkbox"/> Yes

Files

Members

Calendar

Conversations

Edit this workspace

Leave workspace

Unpublish App

Power BI

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app.powerbi.com/groups/62b400f3-739c-4958-837e-89a4a92d0ca5/list/dashboards

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Search content...

Dashboards Reports Workbooks Datasets Dataflows

NAME ↑ ACTION

FA PIF and PREM

PowerAppsRLS

Quick Insights

VanArsdel

Edit workspace

Name

DIAD

Privacy

Private - Only approved members can see what's inside

Members can only view Power BI content

Workspace members

Enter email addresses

Add

christina@fleitasarts.com Member

hiram@fleitasarts.com Admin

Advanced

Delete workspace

Save

Cancel

Get data

IT WON'T FAIL BECAUSE OF ME

Power BI PowerApps PowerAppsRLS - Saved (Unpublished) +

us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action PowerAppsRLS - Saved (Unpublished)

New screen Theme Open Sans 24 Reorder Align Group BorderColor =

BorderColor =

Data sources

In your app

- Office365Users hiram@fleitasarts.com
- PowerBI hiram@fleitasarts.com

Entities

Connectors

Sales Report

Card

Total: 90

Accounts: 9

Amount: 1000000

Revenue: 800000

Profit: 200000

Margin: 25%

Units: 10000

Customer: 1000

Product: 100

Region: 10

Category: 10

Period: 10

Time: 10

Power BI

POWER BI TILE

PowerBI1

Properties Advanced

Workspace DIAD

Dashboard PowerAppsRLS

Tile FA PIF and PREM PowerAppsRLS

① Share the tile dashboard with people using this app

Quick Insights VanArsdel

Learn more

Data

Connect your tile to data

Visible On

Position X: 224 Y: 0

Size Width: 191 Height: 173

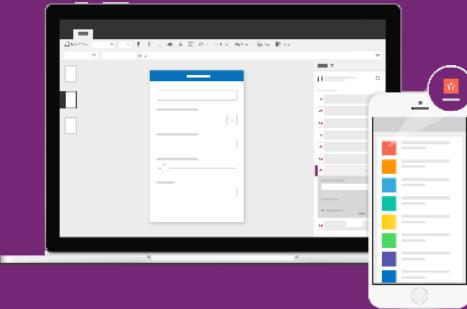
Border

Power BI interactions On

SalesReport Canvas1 DataCard1 PowerBI1

Hello

Sign in to start using PowerApps



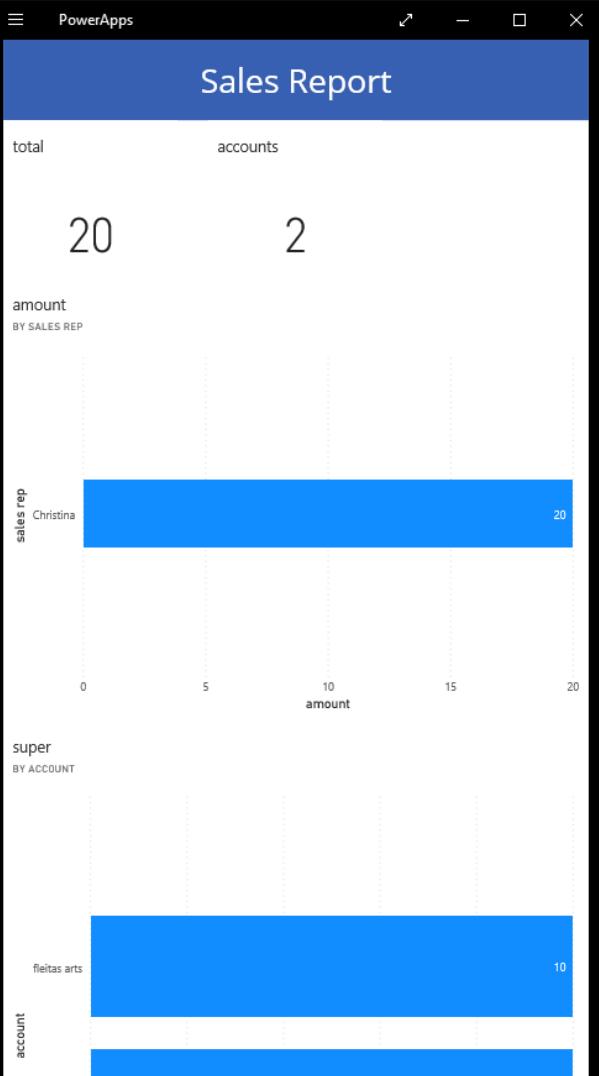
Sign in with your work or school email account

christina@fleitasarts.com



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[terms of service](#) and [privacy statement](#).



DEMO

three Approvals



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PowerApps | Device Ordering App4 - PowerApp | Edit your flow | Microsoft Flow | Manage your flows | Microsoft Flows

us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-861460f009c/flows

Hiram Fleitas
aiaday (org3f000378)

Flow

+ New ⏪ Import

Flows

My flows

Invoice Approval

Build an automated flow

Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks.

Examples:

- Automatically collect and store data in business solutions
- Generate reports via custom queries on your SQL database

Choose your flow's trigger * ⓘ

sql server

- When an item is created (V2) SQL Server ⓘ
- When an item is modified (V2) SQL Server ⓘ
- When a new issue is returned by a JQL ... JIRA ⓘ

Skip Create Cancel

IT WON'T FAIL BECAUSE OF ME

PowerApps Device Ordering App4 - PowerApp Edit your flow | Microsoft Flow Create your flow | Microsoft Flow + us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/flows/new?newFlowName=Invoice%20Approval&trigger=%2Fproviders%2FMicrosoft.PowerApps%2Fapis%2Fshare...

Hiram Fleitas aiaday (org3f000378)

Flow

Invoice Approval

Save Flow checker Test

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

When an item is created (V2)

Server name: Use connection settings (localhost)
Database name: Use connection settings (fleitasarts)
Table name: Form

Show advanced options

Choose an action

start approval

All Built-in Standard Premium Custom My clipboard

Approvals SharePoint Microsoft Flow for... Serverless365 O365 BAM &... K2 Workflow Company Connect AtBot Logic

Triggers Actions

Start and wait for an approval Approvals

Create an approval Approvals

This screenshot shows the Microsoft Flow editor. On the left is a navigation sidebar with various options like Home, Action items, My flows, Create, Templates, Connectors, Data, AI Builder, Solutions, and Learn. The 'My flows' option is selected. In the center, there's a flow titled 'Invoice Approval'. The first step is a trigger: 'When an item is created (V2)' with three dropdowns for 'Server name' (localhost), 'Database name' (fleitasarts), and 'Table name' (Form). Below it is a search bar containing 'start approval'. A list of actions is shown, with two items highlighted: 'Start and wait for an approval' under 'Approvals' and 'Create an approval' also under 'Approvals'. The 'Actions' tab is currently selected. The top right corner features a user profile for Hiram Fleitas and a save/test button.

IT WON'T FAIL BECAUSE OF ME

PowerApps - Edit your flow | Microsoft Flow + Edit your flow | Microsoft Flow +

us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/flows/new?newFlowName=Invoice%20Approval&trigger=%2Fproviders%2FMicrosoft.PowerApps%2Fapis%2Fshare... ★ 

Hiram Fleitas
aiaday (org3f000378)

Flow

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

Invoice Approval

Start and wait for an approval

*Approval type: Approve/Reject - First to respond

*Title: Please Approve/Reject FormId FormId Add dynamic content +

*Assigned to: approver@fleitasarts.com

Details:
A new invoice has been created.
BalanceDue: BalanceDue

Invoice: Invoice

From: From

BillTo: BillTo

Item: Item

Item link: Add a link to the item to approve

Item link description: Describe the link to the item

Requestor: Hiram Fleitas ;

Enable notifications: Yes

Enable reassignment: No

Hide advanced options ^

Save Flow checker Test

Dynamic content Expression

Search dynamic content

When an item is created (V2)

Amount

BalanceDue

BillTo

Date

DueDate

FormId

From

Invoice

IT WON'T FAIL BECAUSE OF ME

PowerApps Edit your flow | Microsoft Flow Edit your flow | Microsoft Flow +

us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/flows/new?newFlowName=Invoice%20Approval&trigger=%2Fproviders%2FMicrosoft.PowerApps%2Fapis%2Fshare...

Hiram Fleitas
aiaday (org3f000378)

Flow

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

Invoice Approval

Condition

Response is equal to Approve

If yes

Update row (V2)

* Server name: Use connection settings (localhost)
* Database name: Use connection settings (fleitasarts)
* Table name: Form
* Row id: FormId
BalanceDue
BillTo
Date
DueDate: Completion date
From
Invoice
Shipping

If no

Update row (V2) 2

* Server name: Use connection settings (localhost)
* Database name: Use connection settings (fleitasarts)
* Table name: Form
* Row id: FormId
BalanceDue: 0
BillTo
Date
DueDate
From
Invoice
Shipping

IT WON'T FAIL BECAUSE OF ME

PowerApps - Edit your flow | Microsoft Flow - Edit your flow | Microsoft Flow +

us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/flows/new?newFlowName=Invoice%20Approval&trigger=%2Fproviders%2FMicrosoft.PowerApps%2Fapis%2Fshare... ★

Hiram Fleitas aiaday (org3f000378)

Flow

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

Invoice Approval

Rate
Quantity
Item
Amount

Apply to each

* Select an output from previous steps

Send an email

* To
* Subject
* Body

Show advanced options ▼

Quantity
Item
Amount

Apply to each 2

* Select an output from previous steps

Send an email 2

* To
* Subject
* Body

Show advanced options ▼

[apps.powerapps.com/play/034bac28-9fc1-4c7a-aaf9-463ea5374db5?tenantId=800d472c-8288-4f27-8978-f726a7a3d1f0&source=portal&screenColor=rgba\(1%2C%2060%2C%2096%2C%201\)](https://apps.powerapps.com/play/034bac28-9fc1-4c7a-aaf9-463ea5374db5?tenantId=800d472c-8288-4f27-8978-f726a7a3d1f0&source=portal&screenColor=rgba(1%2C%2060%2C%2096%2C%201))

From

Wrong Toys
123 Main St.
Anytown USA
http://www.wrongtoys.com/
1234567890

Invoice

Date: Jan 15, 2018
Due Date: Mar 15, 2018
Balance due: \$ 0.00

Bill To

Pro Newware Inc.
123 Main St.
Anytown USA
http://www.pronewware.com/
1234567890

Item	Quantity	Rate	Amount
Wingman DEXA	24	\$ 10.00	\$ 240.00
Wingman Shuttle 3340	10	\$ 10.00	\$ 100.00
Wingman Primeless	10	\$ 10.00	\$ 100.00

Subtotal: \$ 440.00
Tax (2%): \$ 8.80
Shipping: \$ 0.00
Total: \$ 448.80

Analyze



apps.powerapps.com/play/034bac28-9fc1-4c7a-aaf9-463ea5374db5?tenantId=800d472c-8288-4f27-8978-f726a7a3d1f0&source=portal&screenColor=rgba(1%2C%2060%2C%2096%2C%201)

PowerApps | Leads

INVOICE

From
Bill To
Comments
Line Items
Totals
Print
Email
Share
Delete

{"Table1": [{"BalanceDue": 1013.5}]}
Analyze

Please Approve/Reject FormId 20



Microsoft Flow <maccount@microsoft.com>

12:52 AM

To: hiram@fleitasarts.com



Requested by Hiram Fleitas <hiram@fleitasarts.com>

Please Approve/Reject FormId 20

A new invoice has been created.

BalanceDue: 1013.5

Invoice:

From:

BillTo:

Item:

Date Created: Thursday, October 31, 2019 4:52 AM GMT

[Approve](#)[Reject](#)

IT WON'T FAIL BECAUSE OF ME

PowerApps Leads - PowerApps Edit your flow | Microsoft Flow Manage your flows | Microsoft Flow + us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/approvals/received/55a294f4-b723-4679-b55b-40097abd4431/requests/e6b6d3b2-c97e-4471-9d63-48b1046... Hiram Fleitas aiaday (org3f000378)

Flow

Approvals

Received Sent History

Request	Received	Details
Please Approve/Reject FormId 20	Oct 31, 12:52 AM (36 sec ago)	A new invoice has been created. Bala...

Overview

Approval Please Approve/Reject FormId 20

Requester  Hiram Fleitas

Received Oct 31, 12:52 AM (36 sec ago)

Details

A new invoice has been created.
BalanceDue: 1013.5
Invoice:
From:
BillTo:
Item:

Approve

Add a comment (optional)

Looks good, Thank you!

Confirm Cancel

Reply Reply all Forward ⚙ Archive Delete Set flag ...

Your form was approved!



Hiram Fleitas <hiramfleitas@hotmail.com>

12:59 AM

To: hiram@fleitasarts.com

Your form id 20 has been approved by Hiram Fleitas.

Comments: Looks good, Thank you!

BalanceDue: 1013.5

Invoice:

From:

BillTo:

Item:

DEMO

four

International Space Station



IT WON'T FAIL BECAUSE OF ME

PowerApps iss25544 - PowerApps

us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View iss25544

New screen Theme

OnStart //onstart Set(apiresponse, iss25544.Run())

Tree view

Search

App

Main

- lblVisibility
- lblVelocity
- lblAltitude
- lblLongitude
- lblLatitude
- lblDate
- lblSatelite
- imgDay
- imgMap

Format text Remove formatting

Format text Remove formatting

App

60 %

IT WON'T FAIL BECAUSE OF ME

PowerApps iss25544 - PowerApps

us.create.powerapps.com/studio/#

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

New screen Theme

Image

BingMaps.GetMapV2(
 "AerialWithLabels",
 3,
 apiresponse.latitude,
 apiresponse.longitude,
 {
 pushpinLabel: apiresponse.name & " " & apiresponse.id,
 pushpinIconStyle: 38,
 pushpinLatitude: apiresponse.latitude,
 pushpinLongitude: apiresponse.longitude
 }
)

Tree view

Search

App

Main

lblVisibility

lblVelocity

lblAltitude

lblLongitude

lblLatitude

lblDate

lblSatelite

imgDay

imgMap

Format text Remove formatting

AUS

Great Aust Bigh

© 2019 Microsoft Co Earthstar Geogeo © 2019 © 2019

Position X: 0 Y: 300

Size Width: 640 Height: 835

Padding Top: 0 Bottom: 0

Left: 0 Right: 0

Color

Border

Border radius

Reorder Align Group

Main imgMap

60 %

The screenshot shows the Microsoft PowerApps studio interface. At the top, there are two tabs: 'PowerApps' and 'iss25544 - PowerApps'. The main area is titled 'PowerApps' and has a dark header with the environment 'fleitasarts.com (default)' and a user profile icon. Below the header is a toolbar with icons for 'New screen', 'Theme', and various styling options like font, size, and alignment. A large text input field contains a code snippet for a 'BingMaps.GetMapV2' function. To the left of the code is a 'Tree view' pane containing a search bar and a list of components: 'App', 'Main', and several labels ('lblVisibility', 'lblVelocity', etc.) and images ('imgDay', 'imgMap'). Below the code is a preview area showing a map of Australia with a pushpin labeled 'AUS'. The right side of the interface features a vertical panel with various styling properties: Position (X: 0, Y: 300), Size (Width: 640, Height: 835), Padding (Top: 0, Bottom: 0), and Border (Left: 0, Right: 0). At the bottom, there are navigation buttons for 'Main' and 'imgMap', and a zoom control set at 60%.

IT WON'T FAIL BECAUSE OF ME

PowerApps iss25544 - PowerApps

us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action iss25544

New screen Theme Open Sans 21 B / U A Fill Border Reorder Align Group

Image = fx If(apiresponse.visibility="daylight",issday,issnight)

Data sources Search

In your app

- BingMaps Bing Maps
- iss25544 iss25544

Entities

Connectors

Format text Remove formatting

AUS

Great Aust Bigh

© 2019 Microsoft Corporation. All rights reserved.

Earthstar Geographics

© 2019 Microsoft Corporation. All rights reserved.

© 2019 Microsoft Corporation. All rights reserved.

Position X 0 Y 0

Size Width 640 Height 300

Padding Top 0 Bottom 0

Left 0 Right 0

Color

Border

Border radius 0

Main imgDay

60 %

The screenshot shows the Microsoft PowerApps studio interface. A conditional component is being edited, displaying the formula `If(apiresponse.visibility="daylight",issday,issnight)`. The component's content is a map of Australia, specifically the Great Australian Bight area, with the text "AUS" and "Great Aust Bigh" visible. The map includes copyright information from Microsoft and Earthstar Geographics. The PowerApps ribbon at the top includes tabs for File, Home, Insert, View, and Action. The Home tab is selected. The ribbon also features font and style tools like New screen, Theme, Open Sans, size 21, bold B, italic /, underline U, font style A, fill, border, and alignment tools. On the left, the Data sources panel lists "In your app" with entries for BingMaps and iss25544. Below that are sections for Entities and Connectors. The main workspace shows the conditional component and its properties on the right, including Position (X: 0, Y: 0), Size (Width: 640, Height: 300), Padding (Top: 0, Bottom: 0), and Border settings. The status bar at the bottom shows "Main" and "imgDay" along with zoom controls (60%).



us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows

Flow

New Import

Search

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

Flows

My flows Team flows Business process flows

Name	Modified	Type
iss25544	1 wk ago	Instant
CheckLead	5 mo ago	Instant
DeleteLead	5 mo ago	Instant
LinkLead	5 mo ago	Instant
AddLead	5 mo ago	Instant

IT WON'T FAIL BECAUSE OF ME

PowerApps iss25544 - PowerApps Edit your flow | Microsoft Flow

us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/1e9b1a96-6e05-46d3-b408-0e1cc6a82edd

Hiram Fleitas fleitasarts.com (default)

Flow

iss25544

Save Flow checker Test

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

PowerApps

HTTP

- *Method: GET
- *URI: https://api.wheretheiss.at/v1/satellites/25544
- Headers: Enter key | Enter value
- Queries: Enter key | Enter value
- Body: Enter request content

Show advanced options

Parse JSON

Respond to a PowerApp or flow

+ New step Save

The screenshot shows the Microsoft Flow editor interface. On the left, there's a sidebar with navigation links: Home, Action items, My flows (which is selected and highlighted in blue), Create, Templates, Connectors, Data, AI Builder, Solutions, and Learn. The main workspace displays a flow consisting of three steps connected by arrows: 1. A 'PowerApps' connector step, which is a purple box with a white icon. 2. An 'HTTP' step, which is a green box with a globe icon. This step has several configuration fields: Method (set to GET), URI (set to https://api.wheretheiss.at/v1/satellites/25544), Headers (with two empty input fields for key and value), Queries (with two empty input fields for key and value), and Body (with an empty input field). There's also a 'Show advanced options' link below these fields. 3. A 'Parse JSON' step, which is a light purple box with a curly brace icon. 4. A final 'PowerApps' connector step, identical to the first one. At the bottom of the workspace are two buttons: '+ New step' and 'Save'. The top of the screen features a header with tabs for 'PowerApps', 'iss25544 - PowerApps', 'Edit your flow | Microsoft Flow', and a red '+' button. The URL in the address bar is 'us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/1e9b1a96-6e05-46d3-b408-0e1cc6a82edd'. The top right corner includes icons for notifications and help, along with the user name 'Hiram Fleitas' and the URL 'fleitasarts.com (default)'.

IT WON'T FAIL BECAUSE OF ME



PowerApps iss25544 - PowerApps Edit your flow | Microsoft Flow Where the ISS at? +

wheretheiss.at/w/developer

beta WHERE THE ISS AT? Home Sign in with twitter

satellites/[id]

Returns position, velocity, and other related information about a satellite for a given point in time. [id] is required and should be the NORAD catalog id. For the ISS, that id is 25544.

Example Resource URL

<https://api.wheretheiss.at/v1/satellites/25544>

Example Response

```
{  
  "name": "iss",  
  "id": 25544,  
  "latitude": 50.11496269845,  
  "longitude": 118.07900427317,  
  "altitude": 408.05526028199,  
  "velocity": 27635.971970874,  
  "visibility": "daylight",  
  "footprint": 4446.1877699772,  
  "timestamp": 1364069476,  
  "daynum": 2456375.3411574,  
  "solar_lat": 1.3327003598631,  
  "solar_lon": 238.78610691196,  
  "units": "kilometers"  
}
```

Resource Information

API Version	1
Response Format	json
Rate Limited?	Yes

feedback

Parameters

Name	Description	Required	Default
units	Whether to use miles or kilometers	no	kilometers
timestamp	Optionally specify a timestamp for orbital position	no	current timestamp

satellites/[id]/positions

IT WON'T FAIL BECAUSE OF ME

PowerApps | iss25544 - PowerApps | Edit your flow | Microsoft Flow

us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/1e9b1a96-6e05-46d3-b408-0e1cc6a82edd

Hiram Fleitas
fleitasarts.com (default)

Flow

iss25544

Save Flow checker Test

Home Action items My flows Create Templates Connectors Data AI Builder Solutions Learn

PowerApps

HTTP

Parse JSON

*Content Body Add dynamic content

*Schema

```
{ "type": "object", "properties": { "name": { "type": "string" }, "id": { "type": "integer" } } }
```

Use sample payload to generate schema

Respond to a PowerApp or flow

Add dynamic content from the apps and connectors used in this flow. Hide

Dynamic content Expression

Search dynamic content

HTTP

- Body
- Headers
- Status code

PowerApps

- Ask in PowerApps
- Body

The screenshot shows the Microsoft Flow editor interface. On the left, there's a sidebar with various options like Home, Action items, My flows (which is selected), Create, Templates, Connectors, Data, AI Builder, Solutions, and Learn. The main workspace displays a flow with several steps: a PowerApps connector, an HTTP connector, a Parse JSON step, and a Respond to a PowerApp or flow step. The Parse JSON step is currently active, showing its configuration. It has fields for Content (set to Body) and Schema, which contains a JSON schema definition. The schema defines an object with properties 'name' (string type) and 'id' (integer type). Below the schema, there's a note to 'Use sample payload to generate schema'. To the right of the flow, there's a panel titled 'Add dynamic content from the apps and connectors used in this flow.' It lists 'Dynamic content' and 'Expression' tabs, with 'Dynamic content' selected. Under the 'Dynamic content' tab, there's a search bar and a list of available items: Body, Headers, Status code under the HTTP category; and Ask in PowerApps, Body under the PowerApps category. The top of the screen shows the URL of the flow, some browser navigation icons, and a user profile for Hiram Fleitas.

IT WON'T FAIL BECAUSE OF ME

PowerApps

iss25544 - PowerApps

Edit your flow | Microsoft Flow

American Flag

Icons

Profile Picture

Flow

Left sidebar menu:

- Home
- Action items
- My flows
- Create
- Templates
- Connectors
- Data
- AI Builder
- Solutions
- Learn

iss25544

Save Flow checker Test

Main content area: Respond to a PowerApp or flow

Longitude (x) longitude x

Latitude (x) latitude x

Altitude (x) altitude x

Velocity (x) velocity x

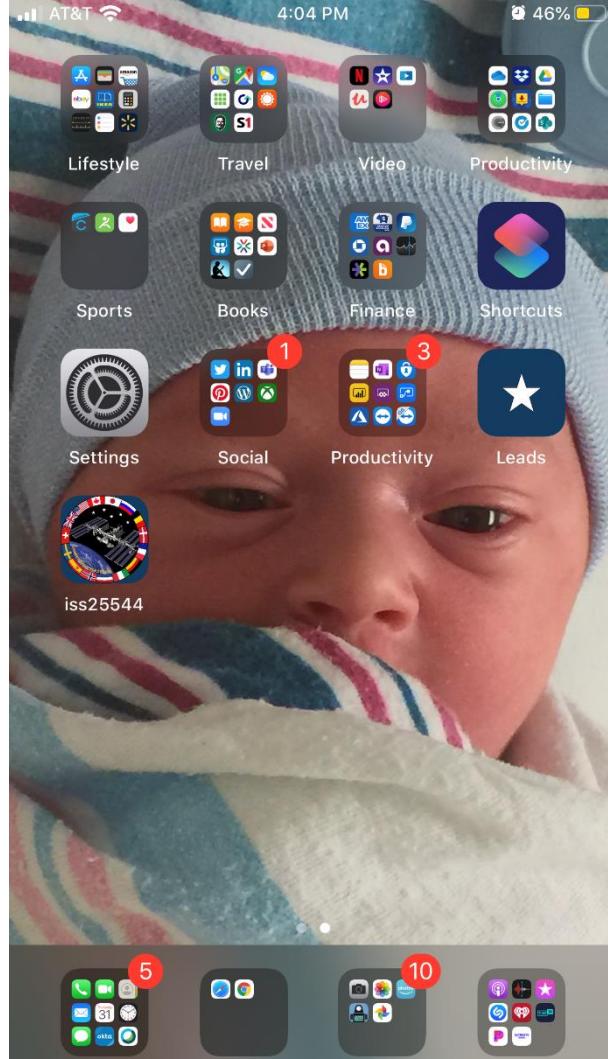
Visibility (x) visibility x

Name (x) name x

id (x) id x

units (x) units x

+ Add an output



◀ Untitled

4:05 PM

46%





iss25544



Opening ...

iss 25544

Date: 10/31/2019 4:17 PM

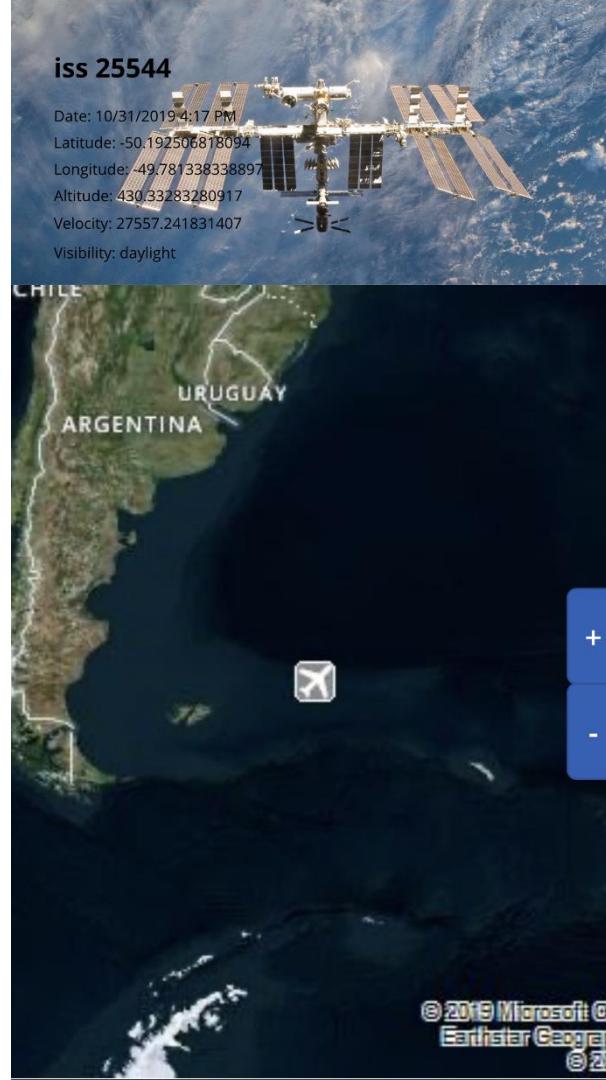
Latitude: -50.192506818094

Longitude: -49.781338338897

Altitude: 430.33283280917

Velocity: 27557.241831407

Visibility: daylight



iss 25544

Date: 10/31/2019 4:17 PM

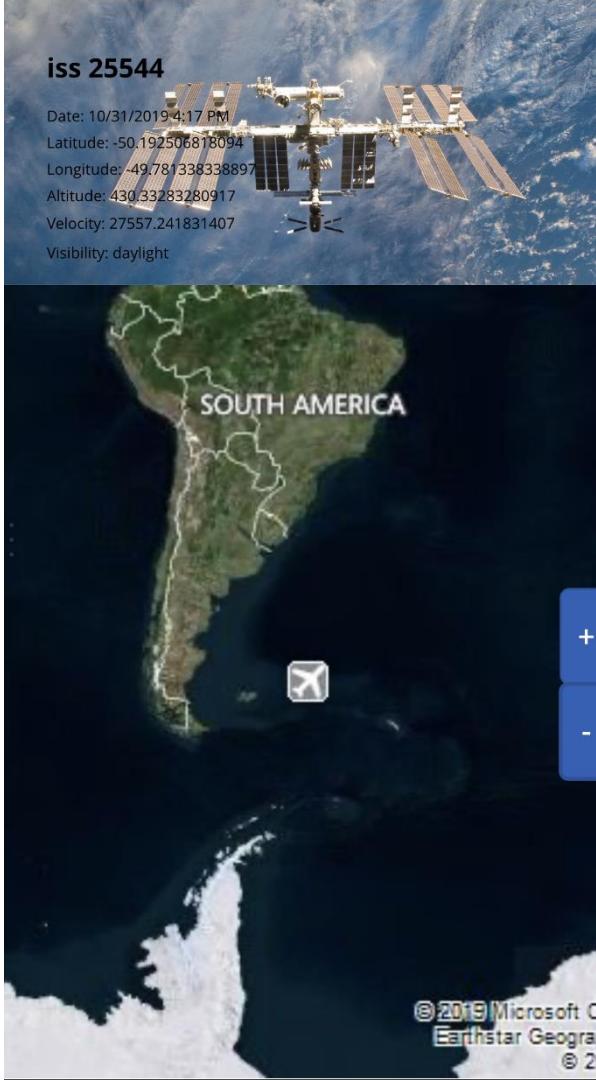
Latitude: -50.192505818094

Longitude: -49.781338338897

Altitude: 430.33283280917

Velocity: 27557.241831407

Visibility: daylight



DEMO

five

aka.ms/TryPVA



End

The screenshot shows the Microsoft PowerApps website at https://powerapps.microsoft.com/en-us/. The page features a large purple and white abstract graphic on the right. In the center, the text "Apps that mean business" is displayed above a paragraph about building business apps. A "GET STARTED FREE >" button is visible. The top navigation bar includes links for "Build Custom Business Apps", "Power BI | Interactive Data Visualiz...", and "Automate processes + tasks". The Microsoft logo and "PowerApps" text are at the top left, and "Sign in" and "Sign up free" buttons are at the top right.

IT WON'T FAIL BECAUSE OF ME

Microsoft | PowerApps

Sign in Sign up free

Apps that mean business

Easily build the business apps you need and extend or customize the apps you already use.

GET STARTED FREE >

https://powerapps.microsoft.com/en-us/

Summary

1. Ai Builder (Forms)
2. Row-Level-Security (RLS)
3. Approvals
4. ISS HTTP Web API
5. Power Virtual Agents

Resources

1. fleitasarts.com
2. github.com/hfleitas/pbifest2019
3. [Microsoft Learn](#)
4. [Pricing](#)
5. aka.ms/TryPVA
6. make.powerapps.com
7. [ROI Case Study](#)

Community

- Power BI
- PowerApps
- Microsoft Flow
- Data Stories Gallery
- Discuss, Connect, Feedback

The image shows a smartphone standing upright, displaying a web browser window. The browser's address bar shows the URL <https://powerusers.microsoft.com>. The page itself is titled "Welcome to the Power Platform community". It features three main sections: "Power BI" with a yellow icon, "PowerApps" with a purple icon, and "Microsoft Flow" with a blue icon. Each section has a brief description and a link to its respective community.

IT WON'T FAIL BECAUSE OF ME

Home - Power Platform Community

https://powerusers.microsoft.com

Microsoft | Power Platform

Welcome to the Power Platform community

Power BI

The Power BI community brings together business intelligence experts and peers to network and share knowledge.

[POWER BI COMMUNITY >](#)

PowerApps

Share questions, tips, and ideas for building apps with other users and the PowerApps product team.

[POWERAPPS COMMUNITY >](#)

Microsoft Flow

Discuss automating your workflows and business processes, share your ideas and get help from the community.

[FLOW COMMUNITY >](#)



Link to Eval:

bit.ly/pbifest19

Your participation is very important.

Hiram Fleitas

Owner, Fleitas Arts



@hiramfleitas



hiram@fleitasarts.com



fleitasarts.com



/hfleitas



hiramfleitas

Thank
You

