

# Power Platform

The Game Changer

PowerApps

Power BI

Microsoft Flow

Cortana

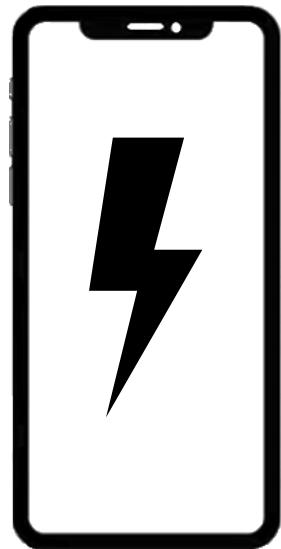
SQL Server

Hiram Fleitas

Fleitas Arts

[github.com/hfleitas/gamechanger](https://github.com/hfleitas/gamechanger)





Please silence  
cell phones







# DBA2.o

*Get data fast!*

Let's Work Together   Contact   About   Training   AI (Demo)  
PBI (Demo)

## Giving 3 Sessions in 1 Day

05/28/2019

Hiram

[Leave a comment](#)

[Edit](#)

---

## Video: Real-time Sentiment Prediction in SQL Server

SQL Saturday 864 - South Florida, United States is less than 2 weeks away. June 8, 2019 @NSUFlorida. This is a whole day, free event open to the public. You can register here. I am giving 3 sessions that day and may be raffling 2x \$50 gift cards per session. You should come to my session(s)... [Continue reading →](#)

This is candid recording of the live presentation I gave at Nova University on the morning of March 2nd, 2019 with South Florida Code Camp 2019. You can see the event info in my previous post. I am made this recording for the attendees that were interested to play it back at their own pace.... [Continue reading →](#)



```
Locallyhost:port> python3 -m http.server 8000
[2020-07-21 10:40:08] 127.0.0.1 - - [21/Jul/2020:10:40:08] "GET / HTTP/1.1" 200 1333
Locallyhost:port> curl -X POST -H "Content-Type: application/json" -d '{"text": "Hello, world!"}' http://localhost:8000/api/messages
{"id": 1, "text": "Hello, world!", "user": "Locallyhost:port", "date": "2020-07-21T10:40:08Z"}[2020-07-21 10:40:08] 127.0.0.1 - - [21/Jul/2020:10:40:08] "POST /api/messages HTTP/1.1" 201 1333
Locallyhost:port>
```

# Evaluaciones de sesión

Su opinión es muy  
importante.



Este es el enlace:

fletiasarts.com

Envíe sus comentarios al final de esta presentación.

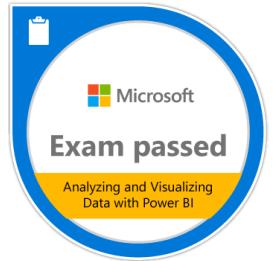
# Hiram Fleitas

Presidente Fleitas Arts



# Bio

Padre  
Arquitecto Principal de BBDD  
Power BI desde 2016  
Desarrollador desde 1995  
SQL Server desde 1999  
USCG Auxiliary Flotilla Staff Officer



 @hiramfleitas

 hiram@fleitasarts.com

 fleitasarts.com

 /hfeitas

 hiramfleitas



# Agenda

- ★ Intro
- ★ Azure Data Studio Notebook
- ★ PowerApps
- ★ Microsoft Flow
- ★ Data Gateway
- ★ Cortana - Power BI
- ★ Publish & Share - Seguridad
- ★ Recursos

# Intro

The image displays a collage of four Microsoft product interfaces:

- Power BI Dashboard:** Shows various metrics including "Campaign revenue vs target" (\$83.2K), "Number of visits THIS QUARTER" (200), "Response status BY THOUSANDS", "Confidence in prediction", and "Variance to Budget BY MONTH".
- Power Automate Flow:** A "Complete the flow" screen titled "Create" showing steps like "On new email (webhook)", "Get my profile", "Get manager", and "Check if it is my manager".
- Power Apps Screen:** A "Home" screen for "PowerApps" showing a "Screens" list with "WelcomeScreen" and "MapScreen".
- Power BI Report:** A "Determination by Feature Rank" report with a bar chart comparing values for "Property", "Radius", "Sova", and "Imus". It also includes a "Unique Visitors, Daily Users" donut chart categorized by device (Desktop, Mobile, Tablet).

# Microsoft Power Platform

One low-code platform that spans Office 365, Dynamics 365, and standalone applications

Analyze. Act. Automate.



**Power BI**

Análisis de negocios



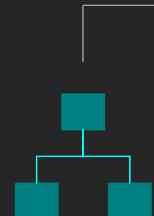
**PowerApps**

Desarrollo de aplicaciones



**Flow**

Automatización del flujo de trabajo



**Conectores  
de datos**



**Servicio de datos  
comunes**





## My Workspace

Filter content

Dashboards

## Executive Metrics Dashboard

Ask a question about the data on this dashboard

Expected Revenue  
THIS YEAR

\$85.22M

Total Invoice  
THIS MONTH

\$2.22M

Discount Savings  
THIS MONTH

\$4.07M

Marketing Site Traffic

BY DATE

Hits

Bounces



Feedback Ratings

BY SCORE

0

100



AccountCount

BY INDUSTRY

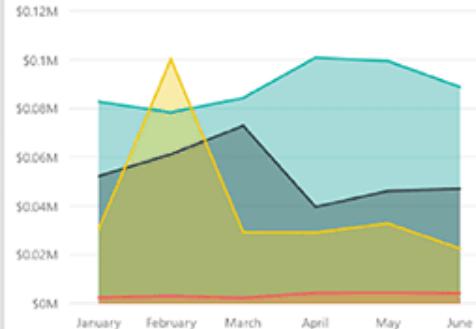
Apparel

Warehouse

Value Added Res.

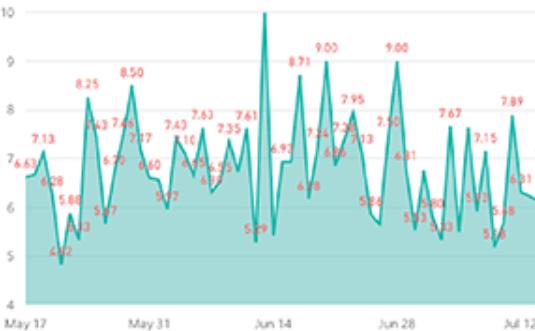
Transportation

Specialty Bike Sh...

Total Invoice  
BY MONTH, CATEGORYTotal Invoice  
BY SUB-CATEGORY

Customer Feedback Trend

AVERAGE SCORE



Variance to Budget

BY MONTH



Sales Pipeline

BY STAGENAME



Customer Size vs Revenue

CUSTOMER GROUP



Total Invoice, Budget Amount

BY MONTH, CATEGORY



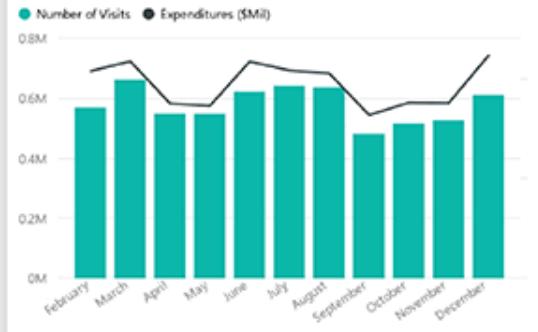
AccountCount

BY SHIPPINGCITY, INDUSTRY



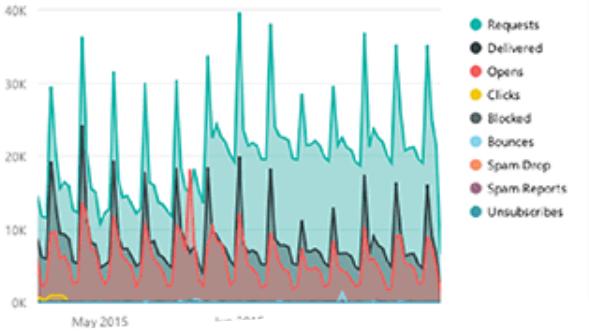
Number of Visits, Expenditures (\$Mil)

BY MONTH



Marketing Campaign Stats

BY DATE



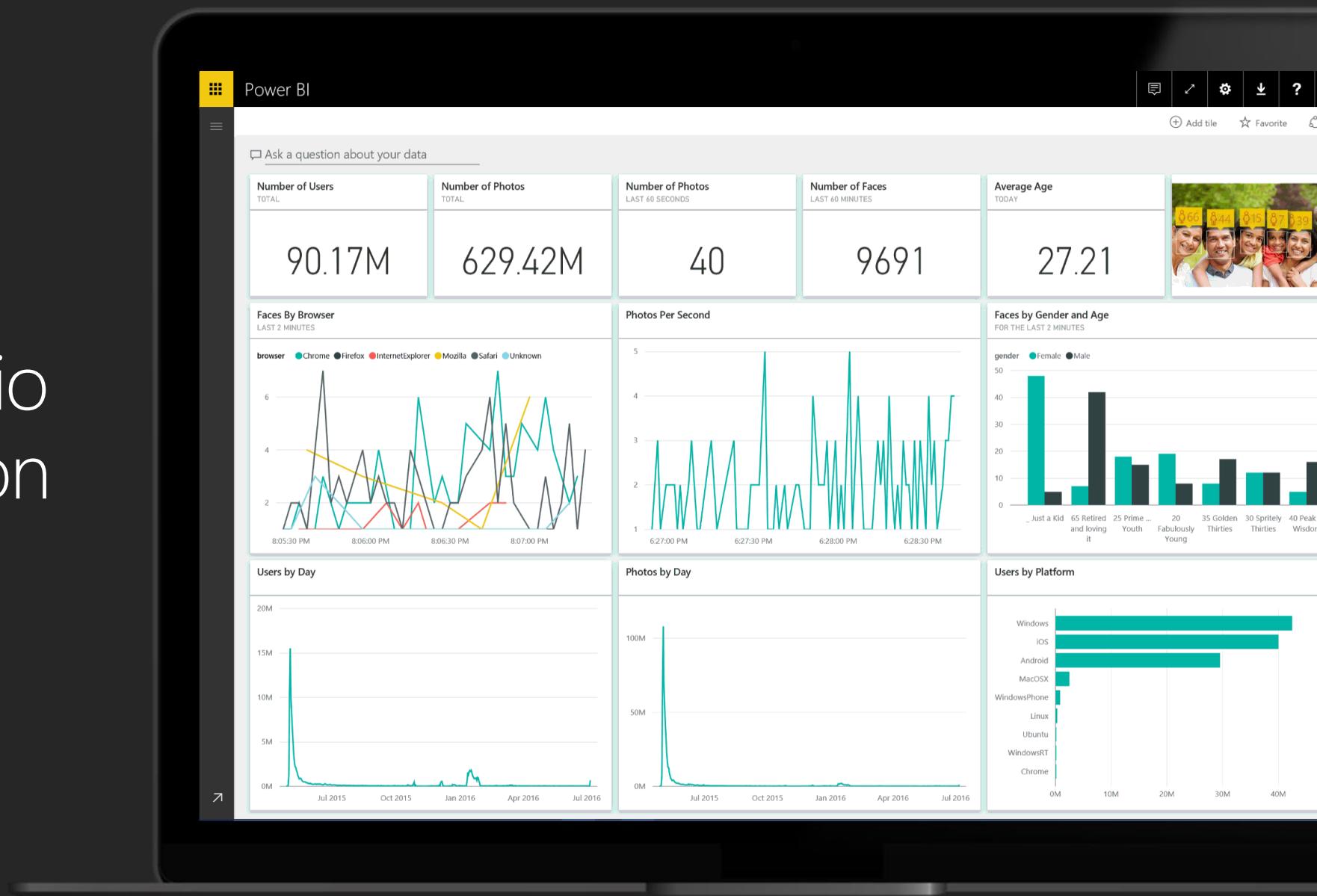
Marketing Campaign Metrics

9521	Blocked
7223	Bounces
771666	Delivered
Clicks	

Get Data



# Ejecute su negocio en tiempo real con paneles en vivo



# Haz preguntas de tus datos



# Proveedor de BI de Más Rápido Crecimiento

5,000,000+  
usuarios

200,000  
organizaciones

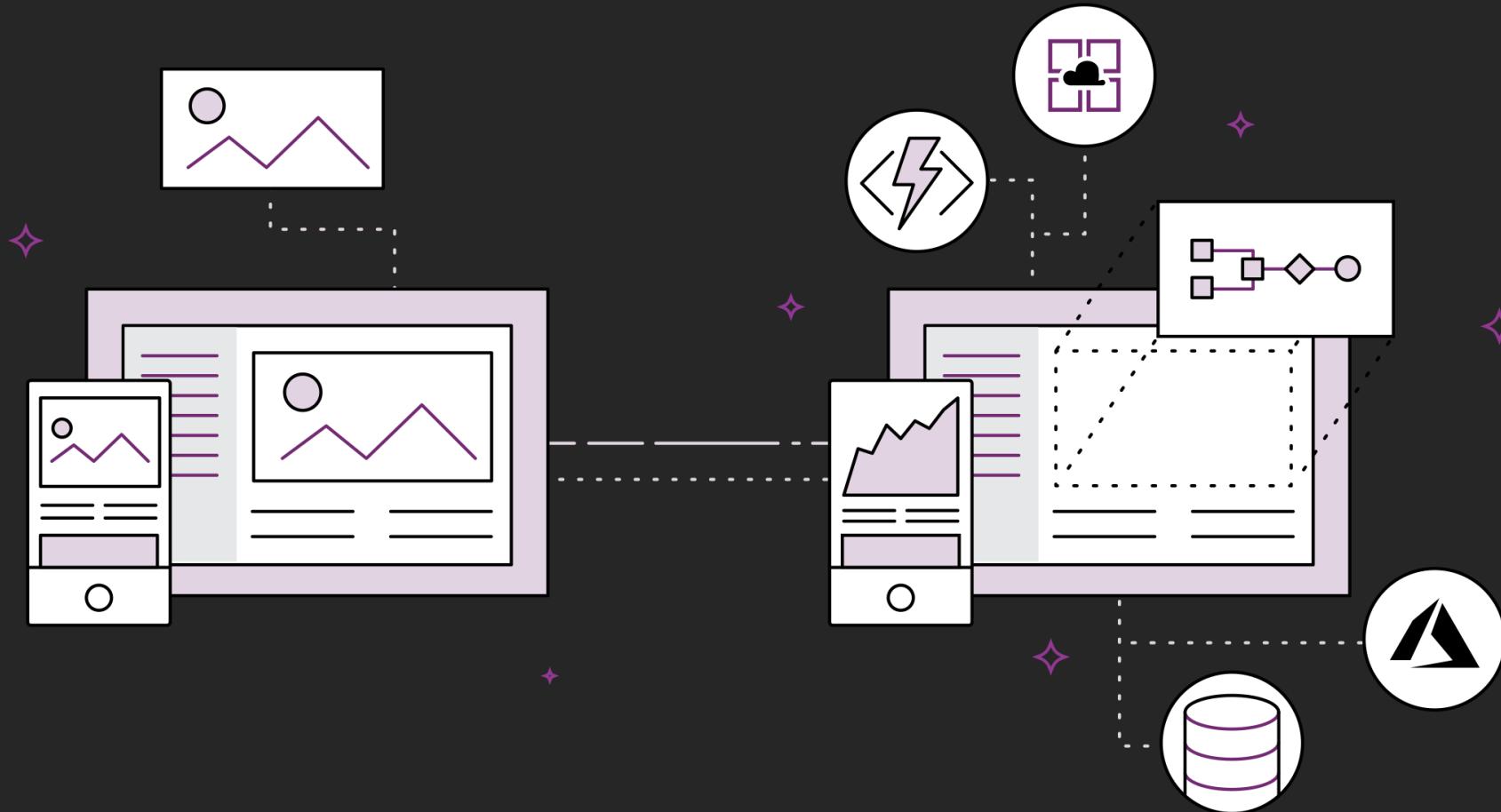
200+  
países

The image displays a central Power BI desktop interface with multiple visualizations like KPIs, variance charts, and revenue graphs. To the left is a smartphone showing a simplified executive summary dashboard. To the right is a tablet showing detailed campaign and variance reports. The desktop interface includes a ribbon menu, a search bar, and a sidebar for visualizations and fields.



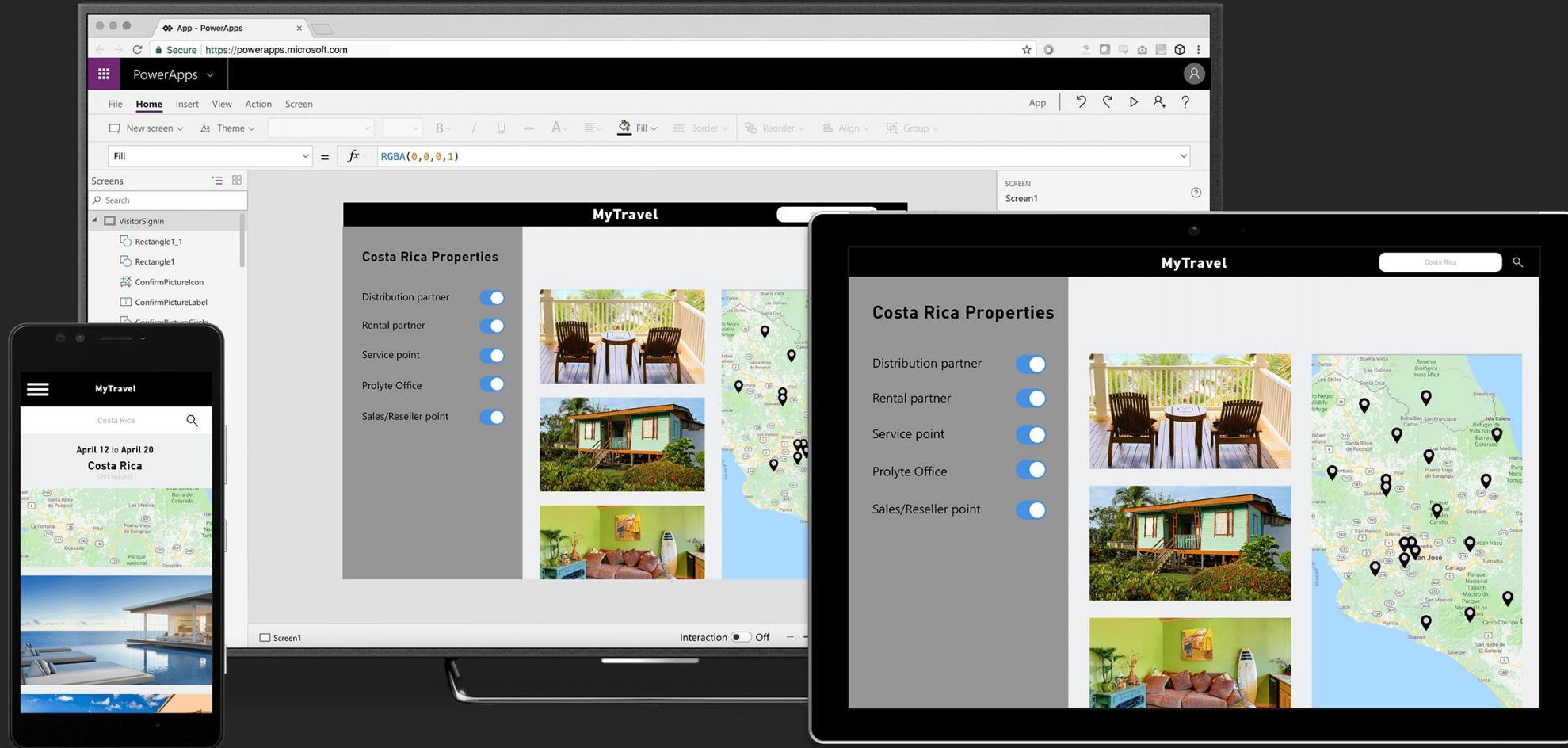
# Cree apps sin límites

Use una variedad de herramientas de desarrollo y administración del ciclo de vida de la aplicación para satisfacer sus necesidades, ya sean simples o complejas. Pro-desarrolladores pueden utilizar el servicio de datos común para desarrollo de software (SDK) y plugins de código para construir aplicaciones utilizando herramientas conocidas como Visual Studio.



# Innovar más rápido

Cree aplicaciones rápidamente con un enfoque de apuntar y hacer clic para diseñar aplicaciones. Elija entre una gran selección de plantillas o comience desde un lienzo en blanco. Conecte fácilmente su aplicación a los datos y use expresiones similares a Excel para agregar fácilmente una lógica. Publique su aplicación en la web, iOS, Android y Windows 10. Es así de fácil.



PowerApps

File Home Insert View Action Screen App

Fill = f fx RGBA(0,0,0,1)

Screens Search VisitorSignin

- Rectangle1\_1
- Rectangle1
- ConfirmPictureIcon
- ConfirmPictureLabel
- ConfirmPictureCircle
- CompanyLogo
- AgreeIcon
- CompleteFormIcon\_1
- WelcomeText
- TakePictureIcon
- PrimaryButton
- Ib/Error Message
- ddlMeetingwith
- Signbox
- Ib/Signature
- txtPurposeOfVisit

FABRIKAM RESIDENCES MOVE OUT INSPECTION

Residence Info

RESIDENT NAME: [Input Field] INSPECTION TYPE: Moving out

APT #: [Input Field] MOVING OUT DATE: 04/09/2018

INSPECTED BY: [Input Field] INSPECTION DATE: 04/11/2018

Floor Plan: 2bed, 2 bath

Inspection Checklist

Kitchen Bathroom Master Bedroom Living Room

ITEMS	PASSED	REPAIR	REPLACE	NOTES
Flooring	●	●	●	[Image]
Appliance	●	●	●	[Image]
Ceiling	●	●	●	[Image]

Top 9 Repairs

Average cost: 180

Repair Type	Average Cost
Light	~10
Knobs	~10
Floor	~10
Ceiling	~10
Fridge	~10
Microwave	~10
Walls	~10
Alarm	~10
Washer	~10

Repair needed? YES Cleaning crew? YES

Kitchen  Bathroom  Master Bedroom  Living Room

Submit Cancel

Screen1

Properties Rules Advanced

Image position Fit

Color

Interaction Off

**Findings and Actions**

\* Title:

Notes:

Attachments: There is nothing attached.  Attach file or take photo

Assign Action:

Assign To: Select person

Due Date: 13/Oct/2018

Priority:

Action Details:

Submit  Next

**Compliance Monitoring: Pre-Task**

MAN  JNB  JFK  BGI  
A346  B744  B789  
G-VIK  G-VMNK  G-VWND

Pre-Task Task Post-Task

Compliance Monitoring v75.0

Audit Questions

Your Scheduled Audits

virgin atlantic

T123

\* Task Description: TEST

Next

# Pasar de ideas a acciones rápidamente

Engine Maintenance

Saturday, November 5, 2016

10:00 AM - 11:00 AM  
**Bay-C15**  
B777-212ER | 1ABYD  
Engine ID 32568

1:00 PM - 2:00 PM  
**Bay-C26**  
B777-212ER | 1ABCK  
Engine ID 34532

3:00 PM - 4:00 PM  
**Bay-A13**  
B777-212ER | 1AOJF  
Engine ID 87698

4:00 PM - 6:00 PM  
**Bay-B24**  
B777-212ER | 1ABQJ  
Engine ID 28765

Engine Details

Recommended Action  
**Needs Inspection**  
B777-212ER | 1ABYD  
Engine ID 34532



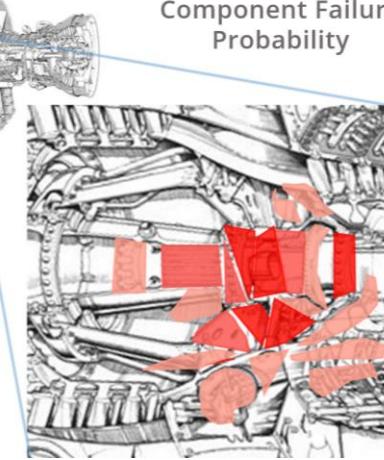
A line graph showing performance data over time, with values ranging from -300 to 0.

High Pressure Compressor  
ID: 499588726

Bleed air channel  
ID: 388499216

Fuel filter  
ID: 599282645

High Pressure Compressor Component Failure Probability



Component Failure Probability

High Pressure Compressor

Recommended Action

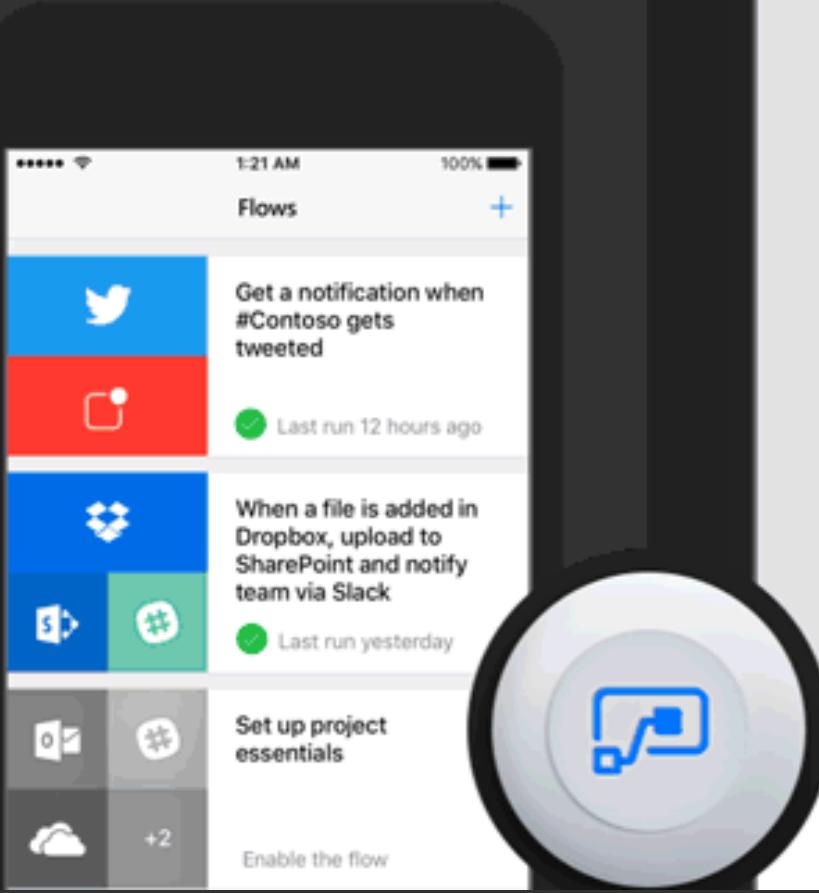
**None**   **Repair**   **Replace**

Repair/Replace By

Inspection Checklist

Photo Attachment

# Microsoft Flow



Get a Slack message and email for new Dropbox item

Get a notification on your Slack channel when a file is uploaded or modified in a designated folder in your Dropbox account. And if it's important, get an email as well.

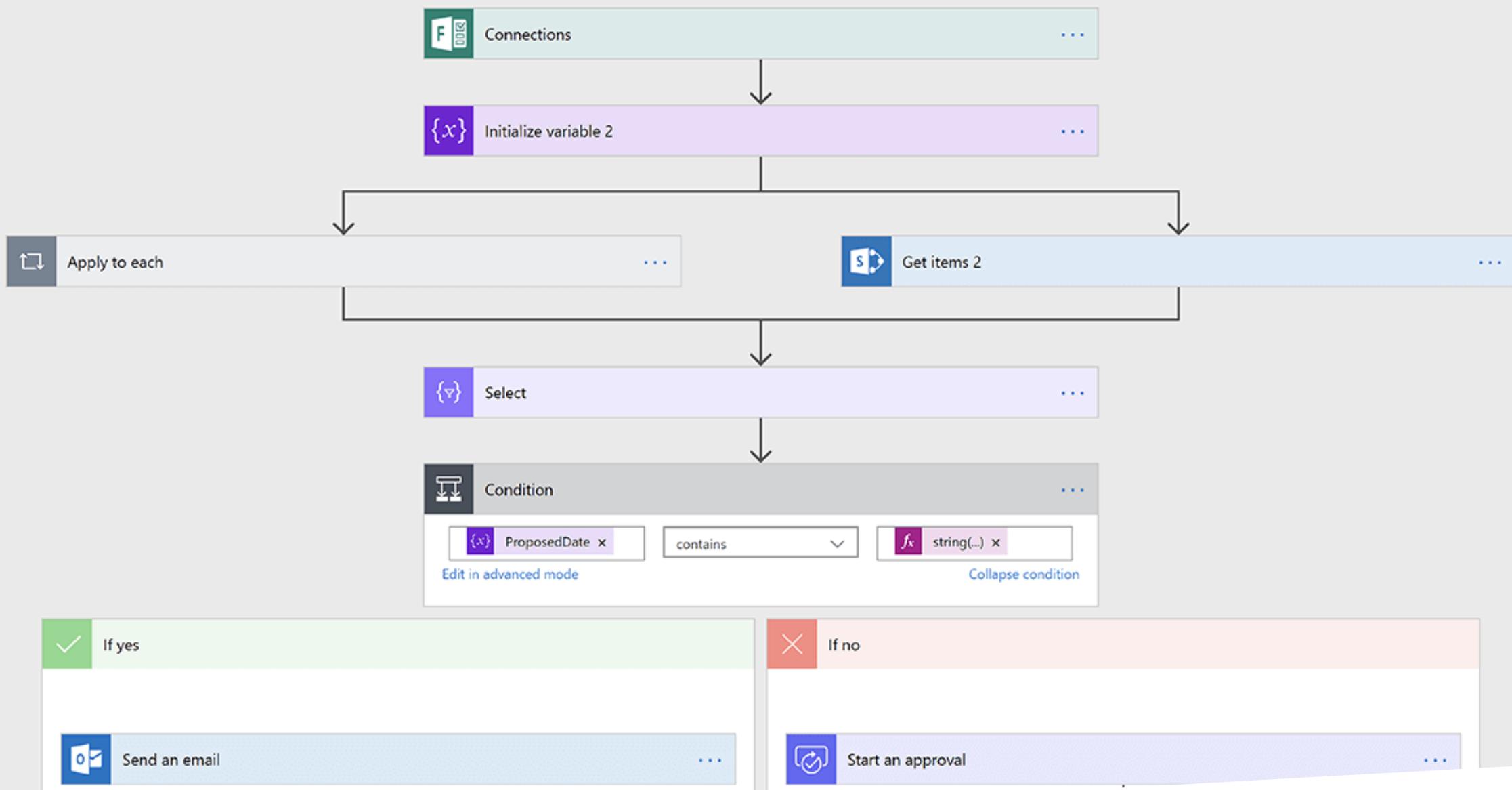
[Use this template](#)



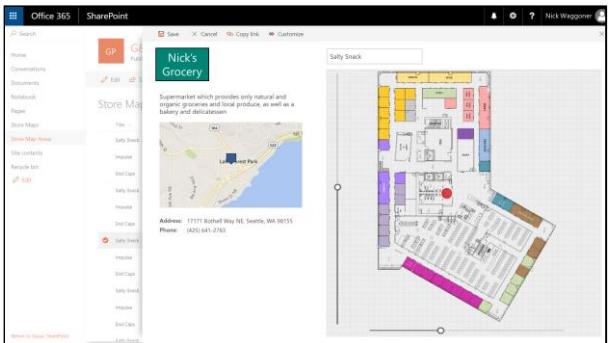
Flow name [Internal] Webinar Form + Approval + Email

✓ Update flow

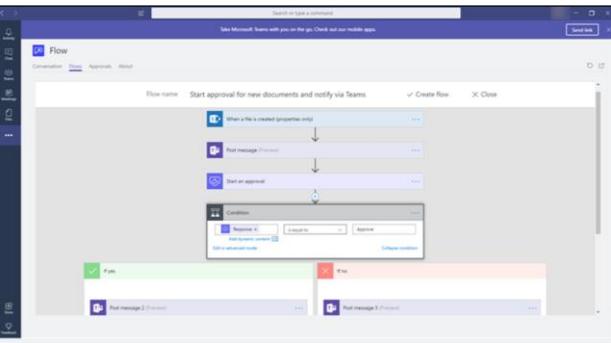
✗ Close



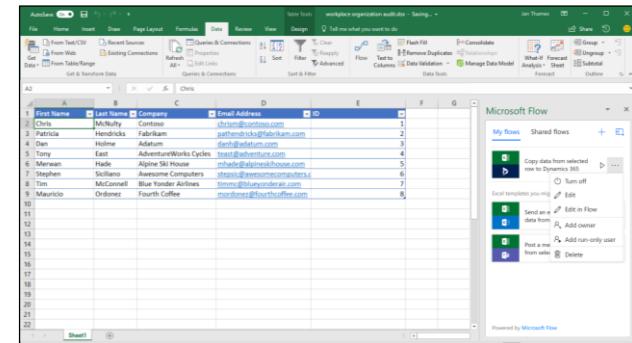
# Insertar e integrar



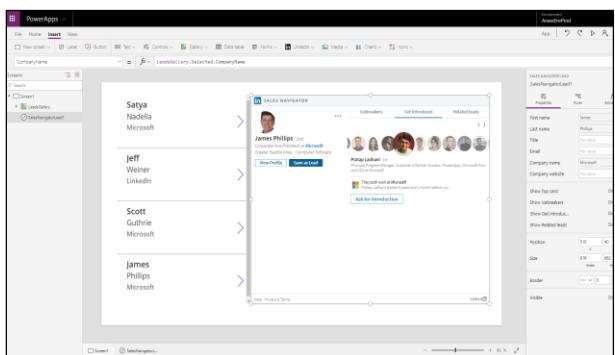
## OneDrive + SharePoint Lists y Librería de Documentos



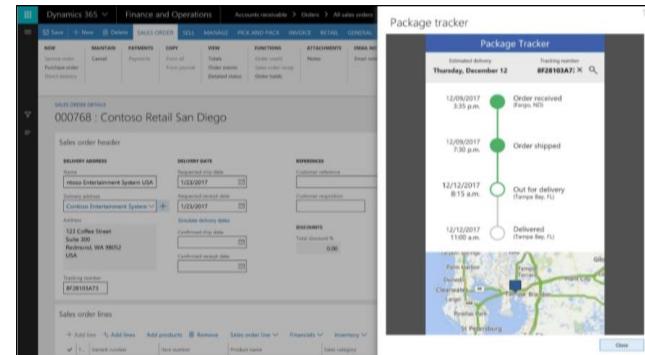
Microsoft Teams como punto de entrada para aplicaciones de colaboración o flujos de trabajo



## Excel como punto de entrada para aplicaciones y flujos de trabajo en página/tablas

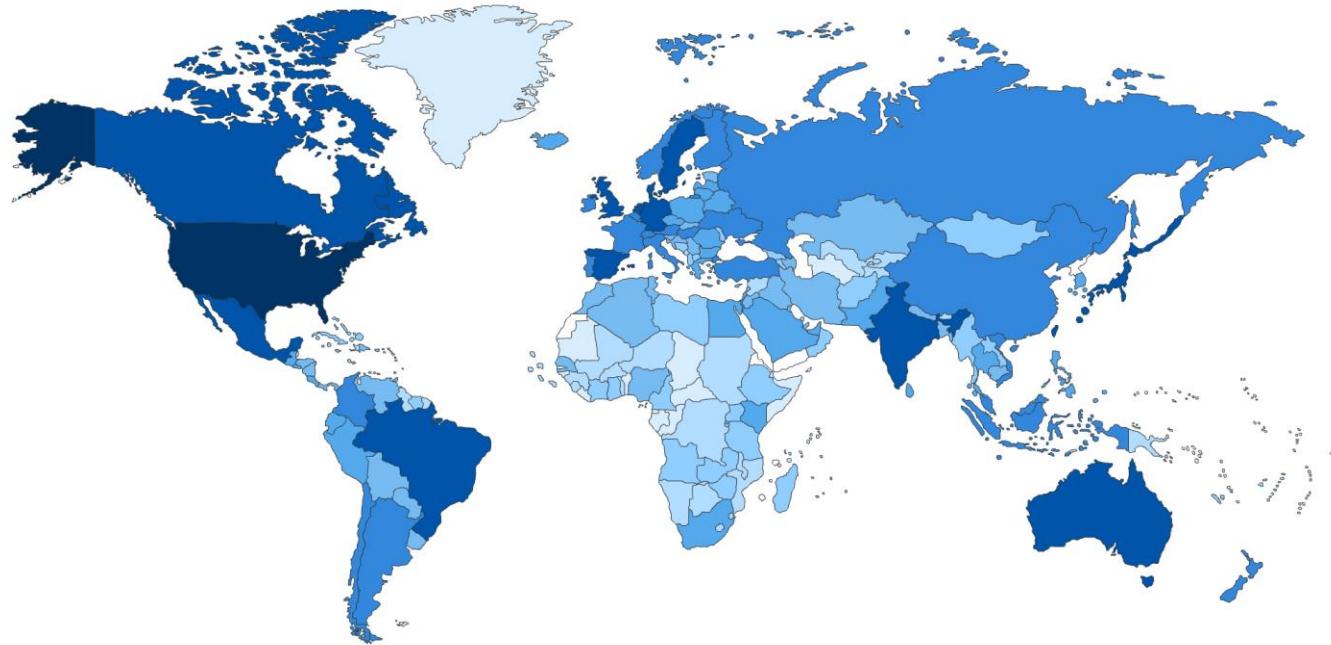


## LinkedIn como fuente para crear aplicaciones móviles



Dynamics como punto de partida para crear aplicaciones contextuales.

# Escala Global y Preparación Empresarial



18,000

Ciudades a nivel mundial acceden al servicio diariamente.

190

Países y territorios

43

Idiomas

Cobertura mundial  
19 centros de datos en todo el mundo

Nubers Nacionales  
Gobierno de EEUU  
China  
Alemania



Las áreas sombreadas muestran países con uso de Power BI. Cuanto más oscuro es el color, mayor es el número de usuarios





Q1 2019

Named Microsoft as a leader in  
The Forrester Wave™: Low-Code  
Development Platforms For  
AD&D Professionals

[READ REPORT >](#)



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## July 2018

Named Microsoft again as  
a Leader in the Magic  
Quadrant for Mobile App  
Development Platforms

[READ REPORT >](#)



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## February 2019

Recognized as a leader  
for Analytics and Business  
Intelligence Platforms—for  
12 consecutive years

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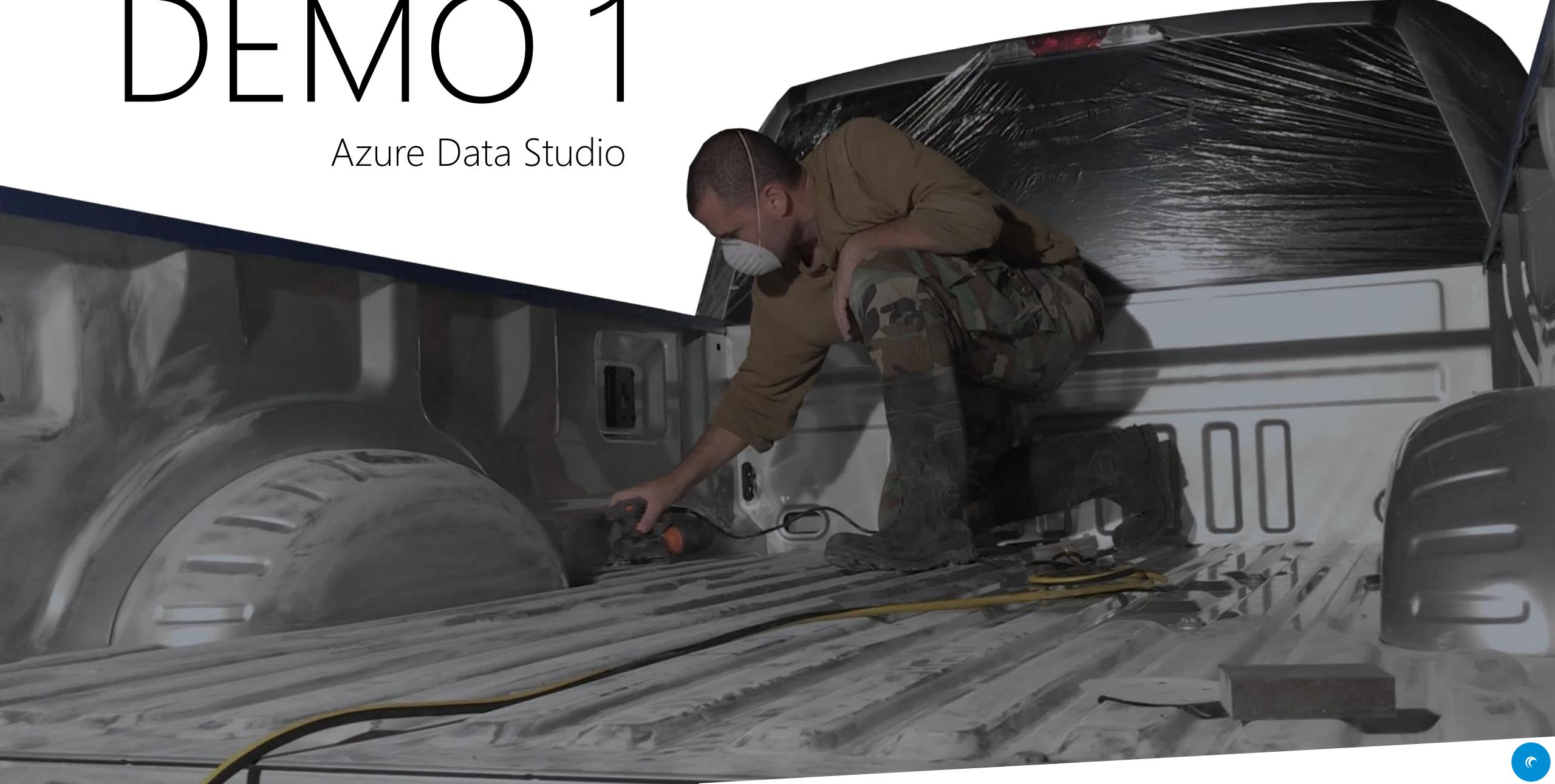


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# DEMO 1

Azure Data Studio



File Edit View Help

LeadSQLNotebook.ipynb × wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

# ADS Lead SQL Notebook

Created by [@HiramFleitas](#)

## Create database on localhost SQL Server 2019 ctp 2.4+

```
[1] 1 if db_id('FleitasArts') is null create database FleitasArts;
2 go
```

Commands completed successfully.

Total execution time: 00:00:00.0392287

## Use DB and Drop Tables If Exists

```
[2] 1 use FleitasArts
2 go
3 drop table if exists Ticket
4 drop table if exists Lead
5 drop table if exists CustomerAccount
6 drop table if exists Customer
7 go
8 set nocount on;
```

Commands completed successfully.

Total execution time: 00:00:00.0076721

Commands completed successfully.

Total execution time: 00:00:00.0007956

Commands completed successfully.

Total execution time: 00:00:00.0002688

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: ., master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Form Ref:

1. HO4 = apt can be assumed to rent
2. HO6 = condo and not rent
3. HO3 = home and live in
4. DP = home and rent out

## Add Tables

```
[3] 1 use FleitasArts
2 go
3 if object_id('Customer') is null
4 begin
5     create table Customer (
6         [CustomerId]    int identity(1,1)
7         ,[Name]        nvarchar(256)
8         ,[Email]        varchar(320)
9         constraint pkCustomer primary key clustered ([CustomerId] asc)
10    );
11 end
12 go
13 if object_id('CustomerAccount') is null
14 begin
15     create table CustomerAccount (
16         [CustomerAccountId]   int identity(1,1)
17         ,[CustomerId]          int foreign key references Customer(CustomerId)
18         ,[AcctNumEnding]       int
19         constraint pkCustomerAccount primary key clustered ([CustomerAccountId] asc)
20    );
21 end
22 go
23 if object_id('Lead') is null
24 begin
25     create table Lead (
26         [LeadId]      int identity(1001,1)
27         ,[Name]        nvarchar(256)
```

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: ., master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

```
22 go
23 if object_id('Lead') is null
24 begin
25     create table Lead (
26         [LeadId] int identity(1001,1)
27         ,[Name] nvarchar(256)
28         ,[Email] varchar(320)
29         --,[Phone] varchar(20)
30         ,[Address] nvarchar(256)
31         --,[Type] varchar(25) --house, condo, apartment, townhouse
32         --,[Occupancy] varchar(25) --tenant, owner, seasonal, secondary, vacant.
33         --,[Use] varchar(25) --rent, rent out, live
34         ,[Status] bit default(0) -- 0 open / 1 closed
35         ,[CreatedBy] nvarchar(128)
36         ,[CreatedOn] datetime default getdate()
37         ,[ModifiedBy] nvarchar(128)
38         ,[ModifiedOn] datetime
39         constraint pkLeads primary key clustered ([LeadId] asc)
40     );
41 end
42 go
43 if object_id('Ticket') is null
44 begin
45     create table Ticket (
46         [TicketId] int identity(2001,1)
47         ,[CustomerId] int
48         ,[AcctNumEnding] int
49         ,[Status] bit default(0) -- 0 open / 1 closed
50         ,[LeadId] int foreign key references Lead(LeadId)
51         ,[CreatedBy] nvarchar(128) default suser_name()
52         ,[CreatedOn] datetime default getdate()
53         ,[ModifiedBy] nvarchar(128) default suser_name()
54         ,[ModifiedOn] datetime default getdate()
55         constraint pkTicket primary key clustered ([TicketId] asc)
56     );
57 end
58 go
```

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

...

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Add Data

```
[4] 1 use FleitasArts
2 go
3 insert Customer values
4 ('Don', 'dmoney@icloud.com')
5 ,('Lou', 'sweetlou@gmail.com')
6 ,('Jackie', 'hr@icloud.com')
7 go
8 insert CustomerAccount values
9 (1, 9256)
10 ,(2, 7146)
11 ,(3, 6401)
12 go
13 insert Lead values
14 ('Don', 'dmoney@icloud.com', '501 S Ocean Blvd, Palm Beach, FL 33480', 0, suser_name(), getdate(), null,null) --'561-805-9256', 'condo', 'seasonal', 'rent out',
15 ,('Tony', 'wakeboard@live.com', '401 E 65th St, Hialeah, FL 33013', 0, suser_name(), getdate(), null,null) --'786-381-4056', 'house', 'owner', 'live',
16 ,('Jackie', 'hr@icloud.com', '401 E 65th St, Hialeah, FL 33013', 0, suser_name(), getdate(), null,null)
17
18 ,('Kim', 'ciokim@icloud.com', '700 Lake Dr, Boca Raton, FL 33432', 0, suser_name(), getdate(), null,null)
19 ,('Fabina', 'fabi@aol.com', '215 SE Spanish Trl, Boca Raton, FL 33432', 0, suser_name(), getdate(), null,null)
20 ,('Christina', 'csosa@live.com', '13 Sunset Key Dr, Key West, FL 33040', 0, suser_name(), getdate(), null,null)
21 go
22 insert Ticket values
23 (1, 9256, 0, 1001, suser_name(), getdate(), null, null)
24 ,(3, 6401, 0, 1003, suser_name(), getdate(), null, null)
25 go
```

Commands completed successfully.

Total execution time: 00:00:00.0006092

Commands completed successfully.

Total execution time: 00:00:00.0058313

Commands completed successfully.

Total execution time: 00:00:00.0056453

Commands completed successfully.

Total execution time: 00:00:00.0029024

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

? □ ...

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Get Tables

```
[5] 1 select * from Customer;
2 select * from CustomerAccount;
3 select * from Lead;
4 select * from Ticket;
```

Commands completed successfully.

Total execution time: 00:00:00.1160202

	CustomerId	Name	Email
1	1	Don	dmoney@icloud.com
2	2	Lou	sweetlou@gmail.com
3	3	Jackie	hr@icloud.com

	CustomerAccountId	CustomerId	AcctNumEnding
1	1	1	9256
2	2	2	7146
3	3	3	6401

	LeadId	Name	Email	Address	Status	CreatedBy	CreatedOn	ModifiedBy	ModifiedOn
1	1001	Don	dmoney@icloud.com	501 S Ocean Blvd, Palm Beach, FL ...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
2	1002	Tony	wakeboard@live.com	401 E 65th St, Hialeah, FL 33013	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
3	1003	Jackie	hr@icloud.com	401 E 65th St, Hialeah, FL 33013	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
4	1004	Kim	cikim@icloud.com	700 Lake Dr, Boca Raton, FL 33432	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
5	1005	Fabina	fabi@aol.com	215 SE Spanish Trl, Boca Raton, FL...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
6	1006	Christina	csosa@live.com	13 Sunset Key Dr, Key West, FL 33...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: ., master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

Commands completed successfully.

Total execution time: 00:00:00.1160202

	CustomerId	Name	Email
1	1	Don	dmoney@icloud.com
2	2	Lou	sweetlou@gmail.com
3	3	Jackie	hr@icloud.com

	CustomerAccountId	CustomerId	AcctNumEnding
1	1	1	9256
2	2	2	7146
3	3	3	6401

	LeadId	Name	Email	Address	Status	CreatedBy	CreatedOn	ModifiedBy	ModifiedOn
1	1001	Don	dmoney@icloud.com	501 S Ocean Blvd, Palm Beach, FL ...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
2	1002	Tony	wakeboard@live.com	401 E 65th St, Hialeah, FL 33013	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
3	1003	Jackie	hr@icloud.com	401 E 65th St, Hialeah, FL 33013	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
4	1004	Kim	cikim@icloud.com	700 Lake Dr, Boca Raton, FL 33432	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
5	1005	Fabina	fabi@aol.com	215 SE Spanish Trl, Boca Raton, FL...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL
6	1006	Christina	csosa@live.com	13 Sunset Key Dr, Key West, FL 33...	0	UPCIC\hfleitas	2019-04-27 14:12:01.077	NULL	NULL

	TicketId	CustomerId	AcctNumEnding	Status	LeadId	CreatedBy	CreatedOn	ModifiedBy	ModifiedOn
1	2001	1	9256	0	1001	UPCIC\hfleitas	2019-04-27 14:12:01.080	NULL	NULL
2	2002	3	6401	0	1003	UPCIC\hfleitas	2019-04-27 14:12:01.080	NULL	NULL

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

? □ ...

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Add CheckLead Proc

```
[6] 1 create or alter proc CheckLead (
2     @Email  varchar(320)
3 )
4 as
5     declare @CustomerId int, @AcctNumEnd int;
6
7     if object_id('tempdb.dbo.#CheckLead') is not null drop table #CheckLead;
8     create table #CheckLead (AcctNumEnd int);
9
10    if @Email is not null
11        begin
12            select @CustomerId = CustomerId from Customer where Email=@Email;
13
14            insert #CheckLead (AcctNumEnd)
15            select AcctNumEnding
16            from CustomerAccount where CustomerId = @CustomerId;
17
18            select top 1 @AcctNumEnd=AcctNumEnd from #CheckLead;
19
20            if @CustomerId is not null and @AcctNumEnd is not null
21                begin try
22                    select      t.TicketId, t.LeadId
23                    from      Ticket t
24                    inner join #CheckLead cl
25                        on cl.AcctNumEnd = t.[AcctNumEnding]
26                end try
27                begin catch
28                    select 'Check Failed' as Error;
29                    throw;
30                end catch
31        end
32    go
33    exec CheckLead @email='dmoney@icloud.com';
34    exec CheckLead @email='wakeboard@live.com';
35    exec CheckLead @email='kn@icloud.com';
```

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

```
[6]   13  
14      insert #CheckLead (AcctNumEnd)  
15      select AcctNumEnding  
16      from CustomerAccount where CustomerId = @CustomerId;  
17  
18      select top 1 @AcctNumEnd=AcctNumEnd from #CheckLead;  
19  
20      if @CustomerId is not null and @AcctNumEnd is not null  
21      begin try  
22          select t.TicketId, t.LeadId  
23          from Ticket t  
24          inner join #CheckLead cl  
25          on cl.AcctNumEnd = t.[AcctNumEnding]  
26      end try  
27      begin catch  
28          select 'Check Failed' as Error;  
29          throw;  
30      end catch  
31  end  
32 go  
33 exec CheckLead @email='dmoney@icloud.com';  
34 exec CheckLead @email='wakeboard@live.com';  
35 exec CheckLead @email='hr@icloud.com';
```

Commands completed successfully.

Total execution time: 00:00:00.0070274

Commands completed successfully.

Total execution time: 00:00:00.0360918

	TicketId	LeadId
1	2001	1001

	TicketId	LeadId
1	2002	1003

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

□ □ ...

Kernel: SQL Attach to: ., master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Add LinkLead Proc

```
[7] 1 create or alter proc LinkLead (
2     @LeadId      int
3     ,@Email       varchar(320)
4     ,@Name        nvarchar(256)
5 )
6 as
7     declare @CustomerId    int
8             ,@TicketId      int
9             ,@date          datetime;
10
11    --select @CustomerId = CustomerId from Customer where Email=@Email;
12    select @LeadId = LeadId from Lead where Name=@Name and Email=@Email;
13
14    --if @TicketId is not null and @CustomerId is not null
15    begin try
16        /*update    Ticket
17        set      CustomerId = @CustomerId, LeadId = @LeadId,
18                ModifiedBy = suser_name(), ModifiedOn = getdate()
19        where    TicketId = @TicketId*/
20        insert Ticket values (
21            null, null, 0, @LeadId, suser_name(), getdate(), null, null
22        )
23    end try
24    begin catch
25        select 'Link Failed' as Error;
26        throw;
27    end catch
28
29    select TicketId, CustomerId, LeadId, Status, CreatedBy, CreatedOn, ModifiedBy
30    from    Ticket
31    where   LeadId = @LeadId
32 go
33 exec LinkLead 1002, 'wakeboard@live.com', 'Tony'
34 go
```



File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: ., master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

```
[7] 7 declare @CustomerId int
     ,@TicketId int
     ,@date datetime;
10
11 --select @CustomerId = CustomerId from Customer where Email=@Email;
12 select @LeadId = LeadId from Lead where Name=@Name and Email=@Email;
13
14 --if @TicketId is not null and @CustomerId is not null
15 begin try
16     /*update Ticket
17     set CustomerId = @CustomerId, LeadId = @LeadId,
18         ModifiedBy = suser_name(), ModifiedOn = getdate()
19     where TicketId = @TicketId*/
20     insert Ticket values (
21         null, null, 0, @LeadId, suser_name(), getdate(), null, null
22     )
23 end try
24 begin catch
25     select 'Link Failed' as Error;
26     throw;
27 end catch
28
29 select TicketId, CustomerId, LeadId, Status, CreatedBy, CreatedOn, ModifiedBy
30 from Ticket
31 where LeadId = @LeadId
32 go
33 exec LinkLead 1002, 'wakeboard@live.com', 'Tony'
34 go
```

Commands completed successfully.

Total execution time: 00:00:00.0058192

Commands completed successfully.

Total execution time: 00:00:00.0228111

	TicketId	CustomerId	LeadId	Status	CreatedBy	CreatedOn	ModifiedBy
1	2003	NULL	1002	0	UPCIC\hfleitas	2019-04-27 14:12:01.917	NULL

File Edit View Help

LeadSQLNotebook.ipynb x wow.ipynb

⟳ ⌂ ⌄

Kernel: SQL Attach to: master (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Add DeleteLead Proc

```
[8] 1 create or alter proc DeleteLead (
2     @Name      nvarchar(256)
3     ,@Email     varchar(320)
4 )
5 as
6     declare @LeadId    int
7             ,@TicketId   int
8
9     select @LeadId = LeadId from Lead where Email=@Email and Name=@Name
10    select @TicketId = TicketId from Ticket where LeadId=@LeadId
11
12    if @LeadId is not null
13        begin try
14            delete top (1) from Ticket where @LeadId=LeadId
15            delete top (1) from Lead where Email=@Email and Name=@Name
16
17            select 'Deleted:' as Msg, @LeadId as LeadId, @TicketId as TicketId
18        end try
19        begin catch
20            select 'Delete Failed' as Error;
21            throw;
22        end catch
23    go
24 exec DeleteLead 'Jackie','hr@icloud.com';
25
```

Commands completed successfully.

Total execution time: 00:00:00.0055962

Commands completed successfully.

Total execution time: 00:00:00.0158644

	Msg	LeadId	TicketId
1	Deleted:	1003	2002

File Edit View Help

## LeadSQLNotebook.ipynb

Kernel: SQL Attach to: FleitasArts (Windows Authentication) Code Text Not Trusted Run Cells Clear Results

## Add AddLead Proc

```
[4] 1 create or alter proc AddLead (
2     @Name      nvarchar(256)
3     ,@Email     varchar(320)
4     ,@Address   nvarchar(256)
5 )
6 as
7     declare @LeadId int;
8     if not exists (select top 1 LeadId
9                     from Lead
10                    where Name = @Name and Email = @Email and Address = @Address)
11         begin try
12             insert Lead (Name, Email, Address) values (@Name, @Email, @Address);
13             select max(LeadId) from Lead
14         end try
15         begin catch
16             select 'Add Failed' as Error;
17             throw;
18         end catch
19         select LeadId, Name, Email, Address
20         from Lead
21         where Name = @Name and Email = @Email and Address = @Address
22 go
23 exec AddLead 'Ryan', 'ryan@outlook.com', '750 Lake Dr, Boca Raton, FL 33432'
24 go
```

Commands completed successfully.

Total execution time: 00:00:00.0072821

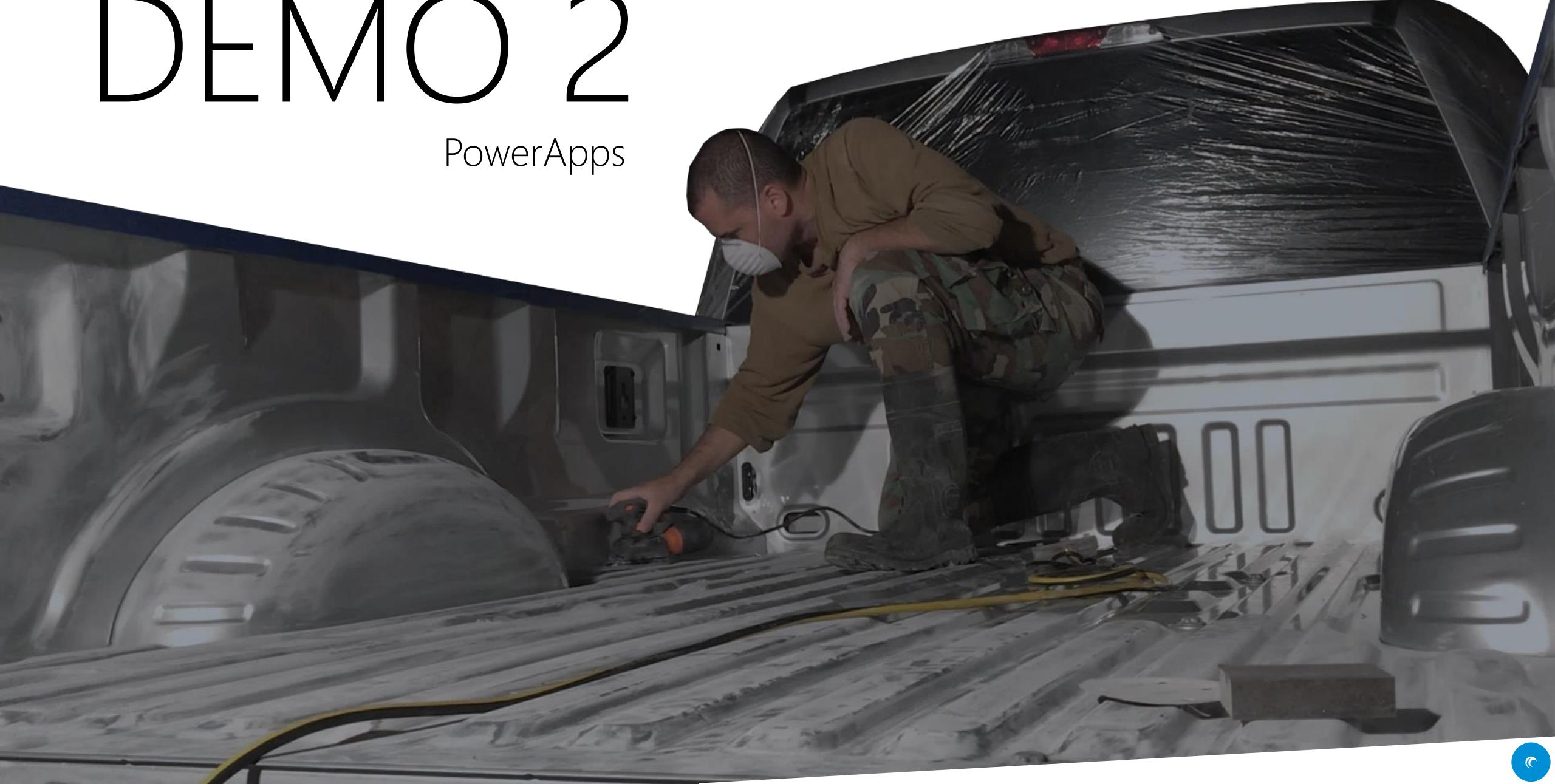
(1 row affected)

Total execution time: 00:00:00.0090320

	LeadId	Name	Email	Address
1	1007	Ryan	ryan@outlook.com	750 Lake Dr, Boca Raton, FL 33432

# DEMO 2

PowerApps





Microsoft

PowerApps

Overview

Pricing

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Community

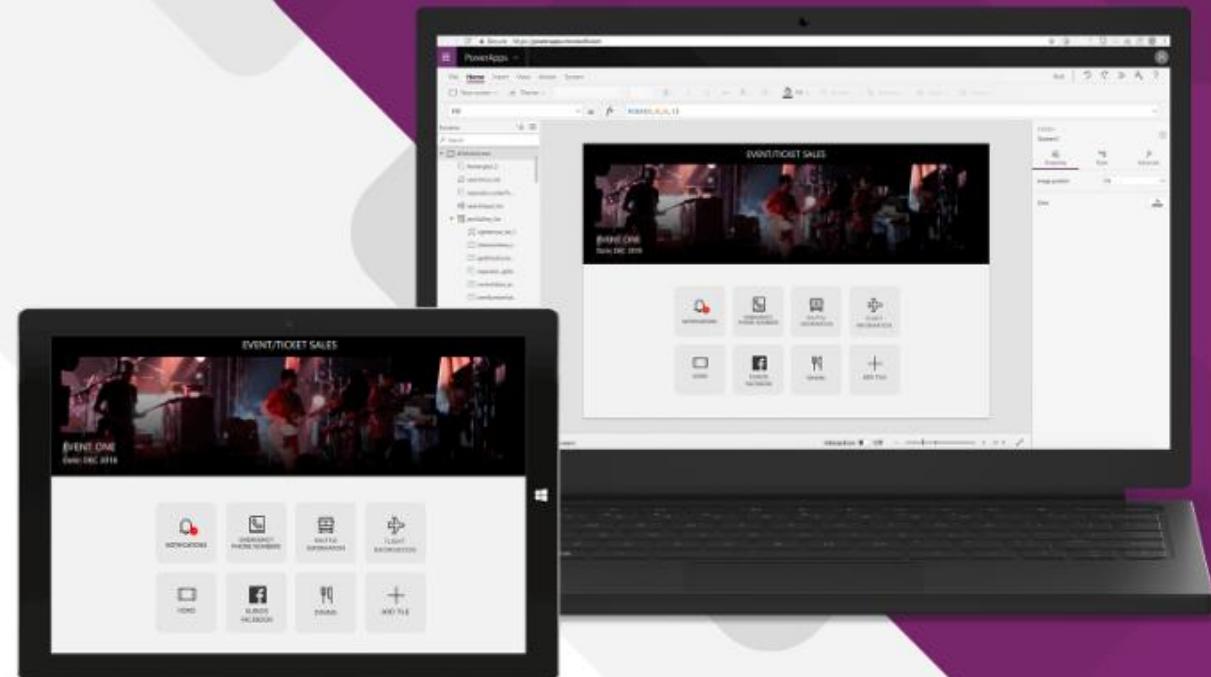


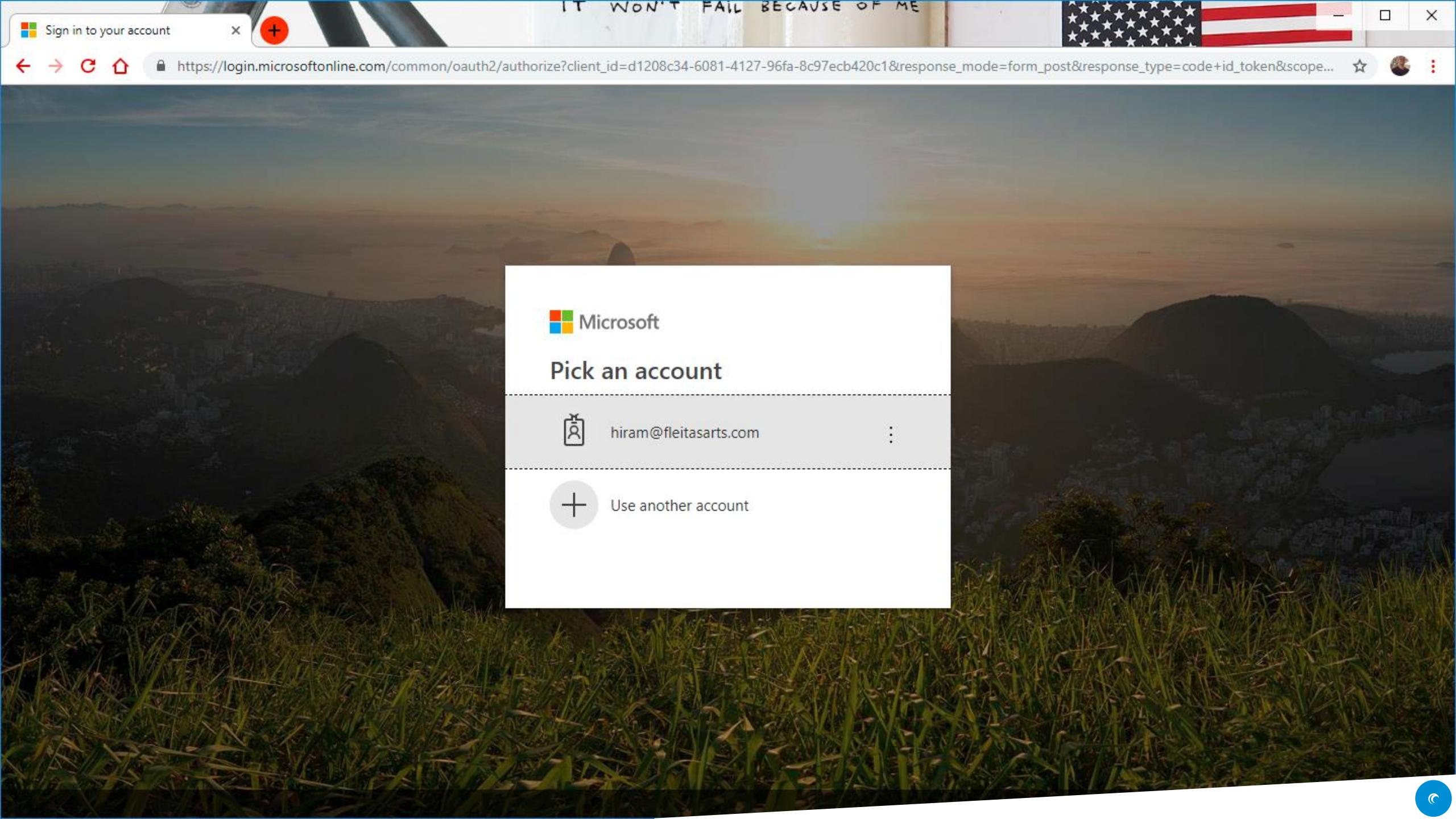
Sign in

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# Apps that mean business

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

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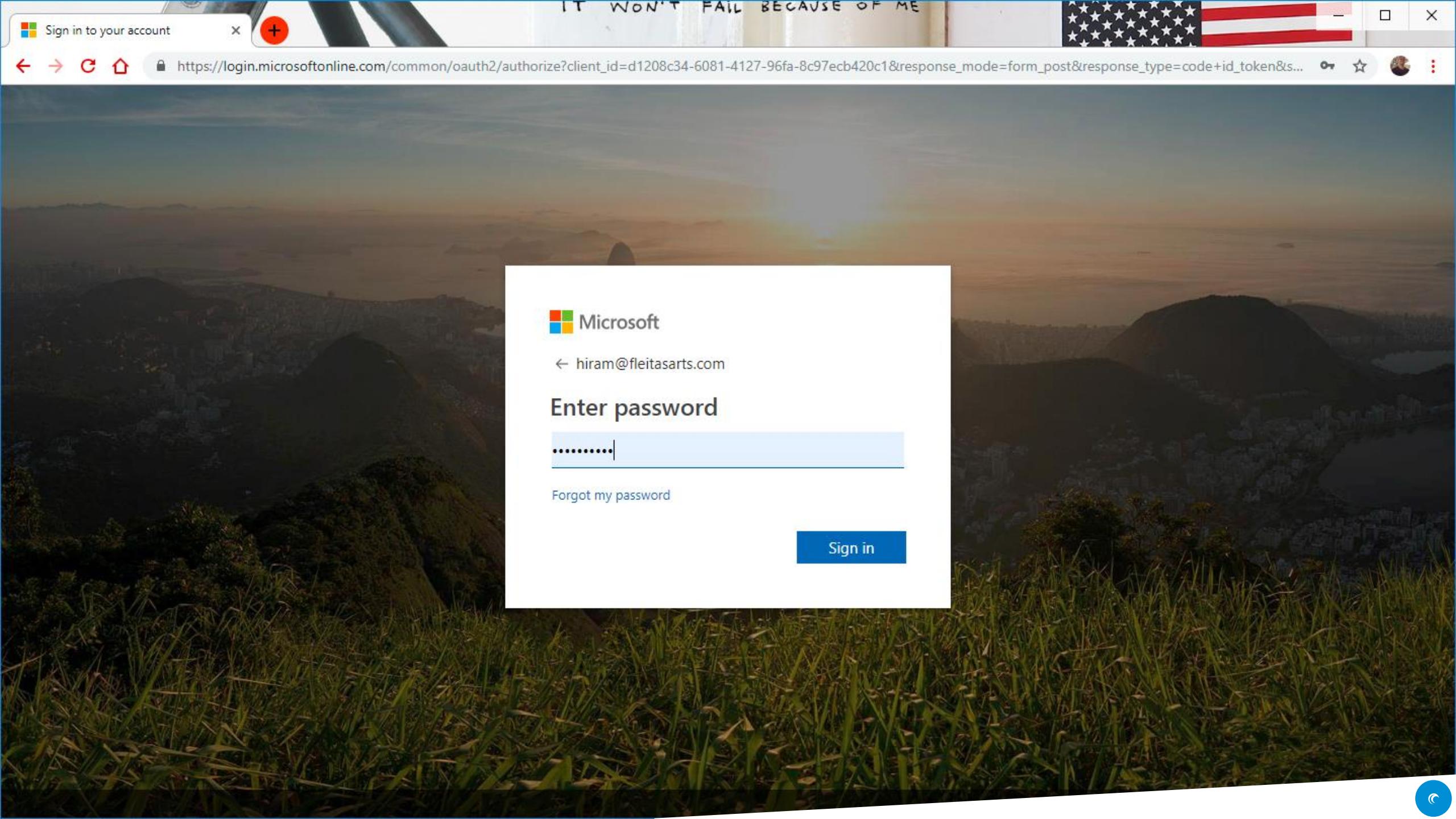


IT WON'T FAIL BECAUSE OF ME



https://login.microsoftonline.com/common/oauth2/authorize?client\_id=d1208c34-6081-4127-96fa-8c97ecb420c1&response\_mode=form\_post&response\_type=code+id\_token&scope...





IT WON'T FAIL BECAUSE OF ME

Sign in to your account

https://login.microsoftonline.com/common/oauth2/authorize?client\_id=d1208c34-6081-4127-96fa-8c97ecb420c1&response\_mode=form\_post&response\_type=code+id\_token&s...

Microsoft

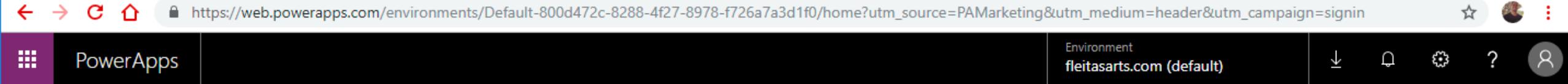
← hiram@fleitasarts.com

Enter password

.....

Forgot my password

Sign in



IT WON'T FAIL BECAUSE OF ME

# Build business apps, fast

Create apps that connect to your data and work across web and mobile. [Learn about PowerApps](#)

## Make your own app

Canvas app from blank

Canvas app

Model-driven app from blank

Model-driven app

Start from data

Canvas app

PowerApps Training for Office

Canvas app

[All templates →](#)

Recent apps   Shared with me

Microsoft PowerApps

IT WON'T FAIL BECAUSE OF ME

https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/home?utm\_source=PAMarketing&utm\_medium=header&utm\_campaign=signin

PowerApps

Environment  
fleitasarts.com (default)

Canvas app from blank

App name \*

Leads

Format

Tablet

Phone

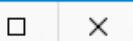
Design the app you want, and connect it to hundreds of data sources.

Canvas app

Create

All templates →

The screenshot shows the Microsoft PowerApps web interface. A modal dialog titled "Canvas app from blank" is open in the center. Inside the dialog, there is a form with fields for "App name" (containing "Leads") and "Format" (with "Phone" selected). Below the form, a descriptive text reads "Design the app you want, and connect it to hundreds of data sources." At the bottom of the dialog, there are two buttons: "Create" and "Cancel". A green arrow points to the "App name" field, and another green arrow points to the "Phone" radio button under "Format". The "Create" button is highlighted with a green border. The background of the main PowerApps interface shows a sidebar with various categories like Home, Learn, Apps, Create, Data, Business logic, and Solutions. The top navigation bar includes standard browser controls and the URL https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/home?utm\_source=PAMarketing&utm\_medium=header&utm\_campaign=signin. The environment is set to "fleitasarts.com (default)".



PowerApps

Environment  
fleitasarts.com (default)

File Home Insert View Action

Leads

New screen Theme Fill Reorder Align Group

Fill = fx RGBA(255, 255, 255, 1)

Screens

Search

App

Screen1

## Welcome to PowerApps Studio

Here are a few ways to start building an app from a blank canvas.

[Create a form >](#)

[Create a gallery >](#)

[Take an interactive tour to see how an app is built](#)

[Don't show me this again](#)

[Skip](#)

SCREEN  
Screen1

Properties Rules Advanced

Fill   
Background image   
Image position

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps + https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

New screen Theme Fill / U A Fill Border Reorder Align Group

Fill = f x RGB(255, 255, 255, 1)

Tree view X

Search

App Screen1

SCREEN Screen1 Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

Screen1

This screenshot shows the Microsoft PowerApps Studio interface. At the top, there are two tabs: "Microsoft PowerApps" and "Leads - PowerApps". The URL in the address bar is "https://us.create.powerapps.com/studio/#". The main menu includes "File", "Home" (which is currently selected), "Insert", "View", and "Action". To the right of the menu are icons for "Leads" and other navigation functions. Below the menu is a toolbar with various tools like "New screen", "Theme", "Fill", "Border", "Reorder", "Align", and "Group". A color picker shows "Fill" set to "RGB(255, 255, 255, 1)". On the left, a "Tree view" sidebar lists "App" and "Screen1". The main workspace is a large white area with a central gray placeholder box. On the right, a properties panel for "Screen1" is open, showing the "Properties" tab with options for "Fill", "Background image" (set to "Select an image..."), and "Image position" (set to "Fit").

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action

New screen Label Button Text Controls Gall

Fill

Tree view

Search

App Screen1

Image

Display an image from a file, data source, or other sources.

Set its properties to determine how this image control looks and behaves.

Media

Image

Camera

Barcode scanner

Video

Audio

Microphone

Add picture

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

Screen1

A red rectangular box highlights the "Image" option in the "Media" dropdown menu.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps +

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

Fill = fx RGB(255, 255, 255, 1)

Tree view

Search

App

Screen1

Image1

Background image Select an image... Fit

Image position

There aren't any data sources connected to this app.

SCREEN Screen1 Properties Rules Advanced

Fill

Background image Select an image... Fit

Image position

Screen1

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

Fill = fx RGB(255, 255, 255, 1)

Tree view

Search

App

Screen1

Image1

Background image Select an image... Fit

Import from Excel Add static data to your app

Notifications Notifications

Office 365 Outlook hfeitas@universalproperty.com

Office 365 Users hfeitas@universalproperty.com

Office 365 Users hiram@fleitasarts.com

Screen1

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image... Fit

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

Image = fx Office365Users.UserPhotoV2(User().Email)

Tree view

Search

App Screen1 Image1

Image1

IMAGE Image1 Properties Rules Advanced

BorderColor RGBA(0, 18, 107, 1)

RadiusTopLeft 0

RadiusTopRight 0

RadiusBottomLeft 0

RadiusBottomRight 0

DisabledBorderColor RGBA(166, 166, 166, 1)

PressedBorderColor ColorFade(Image1.BorderColor, -20%)

HoverBorderColor ColorFade(Image1.BorderColor, 20%)

BorderThickness

Screen1 Image1

A screenshot of the Microsoft PowerApps studio interface. The URL in the address bar is https://us.create.powerapps.com/studio/#. The top navigation bar includes 'File', 'Home', 'Insert', 'View' (which is selected), and 'Action'. Below the navigation is a toolbar with icons for 'Data sources', 'Media', 'Collections', 'Variables', and 'Advanced'. A dropdown menu for 'Image' is open, showing the formula '= fx Office365Users.UserPhotoV2(User().Email)'. To the right, the 'Advanced' tab of the 'Image1' properties panel is selected, displaying settings for border color, radius, and border thickness. On the left, a 'Tree view' pane shows the app structure with 'App', 'Screen1', and 'Image1' selected. The main canvas area displays a circular portrait of a man, which is the result of the formula applied to the image component.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

Image = fx Office365Users.UserPhotoV2(User().Email)

Tree view

Search

App Screen1 Image1

Image1

IMAGE Image1 Properties Rules Advanced

ColorOnHoverImage

BorderColor

RGB(0, 18, 107, 1)

RadiusTopLeft

Image1.Height

RadiusTopRight

Image1.Height

RadiusBottomLeft

Image1.Height

RadiusBottomRight

Image1.Height

DisabledBorderColor

RGB(166, 166, 166, 1)

PressedBorderColor

ColorFade(Image1.BorderColor, -20%)

HoverBorderColor

ColorFade(Image1.BorderColor, 20%)

BorderThickness

Screen1 Image1

The screenshot displays the Microsoft PowerApps Studio interface. At the top, there are two tabs: "Microsoft PowerApps" and "Leads - PowerApps". The "Leads - PowerApps" tab is active. The URL in the address bar is "https://us.create.powerapps.com/studio/#". The main workspace shows a lead record with a circular profile picture of a man. The "Image" field in the ribbon is highlighted with a green box and contains the formula "Office365Users.UserPhotoV2(User().Email)". To the right, the "Properties" panel is open, showing the "Advanced" tab selected. Under the "IMAGE" section, the "Image1" object is configured with a border color of "RGB(0, 18, 107, 1)" and rounded corners. The "RadiusTopLeft", "RadiusTopRight", "RadiusBottomLeft", and "RadiusBottomRight" properties are all set to "Image1.Height". The "ColorOnHoverImage" property is also present. The "BorderThickness" property is at the bottom of the list.

Microsoft PowerApps Leads - PowerApps IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

Image = fx Office365Users.UserPhotoV2(User()).Email

Tree view

Search

App

Screen1

UserPhoto

IMAGES UserPhoto Properties Rules Advanced

RadiusTopLeft UserPhoto.Height

RadiusTopRight UserPhoto.Height

RadiusBottomLeft UserPhoto.Height

RadiusBottomRight UserPhoto.Height

DisabledBorderColor RGBA(166, 166, 166, 1)

PressedBorderColor ColorFade(UserPhoto.BorderColor, -20%)

HoverBorderColor ColorFade(UserPhoto.BorderColor, 20%)

BorderThickness 0

Screen1 UserPhoto

The screenshot shows the Microsoft PowerApps Studio interface. A tree view on the left displays the app structure with 'UserPhoto' selected. The main canvas shows a placeholder for the user photo. The properties pane on the right is open for the 'UserPhoto' control, specifically the 'Advanced' tab. It contains settings for corner radius (RadiusTopLeft, RadiusTopRight, RadiusBottomLeft, RadiusBottomRight) all set to 'UserPhoto.Height', and border colors for disabled, pressed, and hover states, along with a border thickness of 0.

Microsoft PowerApps Leads - PowerApps + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

Save as

New

The cloud Save to PowerApps

This computer Save a copy to my computer

Leads

This app will be saved in the environment fleitasarts.com (default).

My apps

Search ...

There aren't any apps saved here.

Save

Save as

Share

Collections

Media

Variables

Save

Microsoft PowerApps Leads - PowerApps + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

Save as

The cloud Save to PowerApps Leads

This app will be saved in the environment fleitasarts.com (default).

My apps

Search ...

Saving to PowerApps

There aren't any apps saved here.

Save

New

Open

Account

Connections

Flows

App settings

Save

Save as

Share

Collections

Media

Save

Microsoft PowerApps Leads - PowerApps + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

Save

Leads

Environment: fleitasarts.com (default)

Saved: 5/3/2019, 6:36:25 PM

✓ All changes are saved.

Share this app See all versions

New

Open

Account

Connections

Flows

App settings

Save

Save as

Share

Collections

Media

Variables

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/# PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Image = fx SampleImage

Tree view Search App Screen1 Logo UserPhoto

Open .git CortanaTest.jpg Cover.png Logo.png wow.jpg

File name: Logo.png Custom Files (\*.jpg;\*.jpeg;\*.gif) Open Cancel

Properties Rules Advanced

IMAGE Logo

Select an image... Add an image file

Image position Transparency Display mode Edit

Visible Position X Y

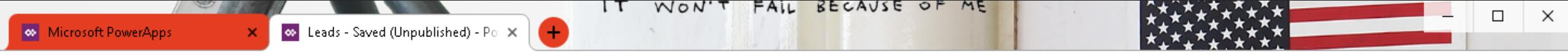
Size Width Height

Padding Top Bottom Left Right

Color Border

Screen1 Logo

A screenshot of the Microsoft PowerApps studio interface. The top navigation bar shows 'Microsoft PowerApps' and 'Leads - Saved (Unpublished)'. The main toolbar includes 'File', 'Home', 'Insert', 'View', and 'Action'. The 'Insert' tab is selected, showing options like 'New screen', 'Label', 'Button', 'Text', 'Controls', 'Gallery', 'Data table', 'Forms', 'Media', 'Charts', and 'Icons'. A dropdown menu for 'Image' is open, showing 'SampleImage'. On the left, there's a 'Tree view' pane with a search bar and items like 'App', 'Screen1', 'Logo', and 'UserPhoto'. A modal window titled 'Open' is displayed, showing a file explorer view of a folder structure under 'fleitasarts'. The 'Logo.png' file is selected. The right side of the screen shows the properties panel for the 'Image' control, with tabs for 'Properties', 'Rules', and 'Advanced'. The 'Properties' tab is active, showing settings for 'Image', 'Image position', 'Transparency', 'Display mode', 'Visible', 'Position', 'Size', 'Padding', 'Color', and 'Border'. The 'Image' section has a dropdown set to 'Select an image...' with a green box around it, and a button below it labeled 'Add an image file'. The 'Visible' toggle switch is turned on. The 'Position' section shows values of 60 for both X and Y. The 'Size' section shows 320 for both width and height. The 'Padding' section shows 0 for all four sides. The 'Color' and 'Border' sections have their respective sliders set to 0.



# PowerApps

Environment  
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)



New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Image = fx Logo\_2

## Tree view

- App
- Screen1
  - Logo
  - UserPhoto



IMAGE  
Logo

**Properties** Rules Advanced

Image	Logo_2
Image position	Fit
Transparency	0
Display mode	Edit

Visible On

Position	508	40
	X	Y
Size	92	92
	Width	Height
Padding	0	0
	Top	Bottom
	0	0
	Left	Right

Color

Border  0

Screen1 Logo

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/# PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Text Tree view X Calculator Standard History Memory 508 548 - 40 = 508 640 - 92 = 548

Label Properties Rules Advanced

Font weight Normal

Font style / U

Text alignment

Auto height Off

Line height 1.2

Overflow Hidden

Display mode Edit

Visible On

Position 0 210 X Y

Size 640 70 Width Height

Padding 5 5 Top Bottom

5 5

Calculator interface showing a history of operations: 548 - 40 = 508 and 640 - 92 = 548. The result 508 is highlighted with a green box. The properties panel on the right shows the current selection is a 'Label' control named 'Label1'. The 'Size' property is set to 640 width and 70 height. The 'Padding' property is set to 5 for all four sides.



## PowerApps

Environment  
fleitasarts.com (default)

File Home Insert View Action

Leads



New screen Label Button

Text Controls Gallery Data table Forms Media Charts Icons

Default

## Text input

A field for users to type text, numbers, and other data.

Set its properties to determine how this input control looks and behaves.

Label

Text input

HTML text

Rich text editor

Pen input



## TEXT INPUT

TextInput1

## Properties

Rules Advanced

Default	Text input
Format	Text
Hint text	No value
Font	Open Sans
Font size	21
Font weight	Normal
Font style	/ U —
Text alignment	Left Center Right
Line height	1.2
Clear button	Off
Maximum length	No value
Mode	Single line
Display mode	Edit

Screen1 TextInput1





https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

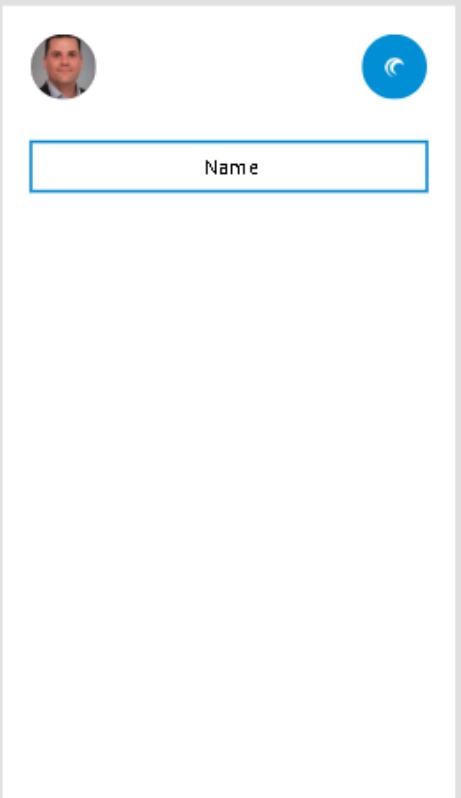


New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Default = fx "Name"

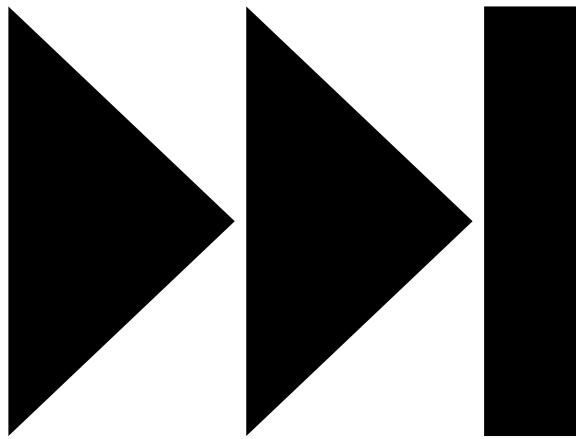
### Tree view

- App
- Screen1
  - TextInput1
  - Logo
  - UserPhoto



TEXT INPUT	TextInput1
Properties	Rules Advanced
Position	40 192 X Y
Size	560 70 Width Height
Padding	5 5 Top Bottom
	12 5 Left Right
Color	A
Border	— 2 Color
Border radius	0
Disabled color	A
Hover color	A
Pressed color	A
Tooltip	No value

Screen1 TextInput1





https://us.create.powerapps.com/studio/#

PowerApps Environment  
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

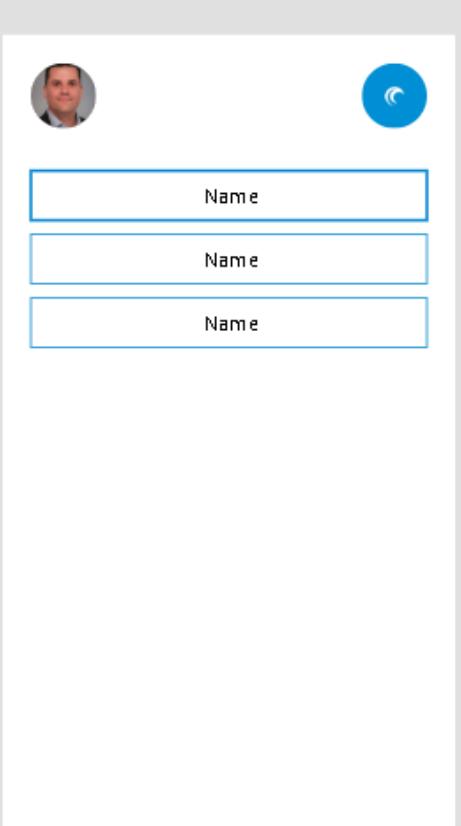


New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Default = fx "Name"

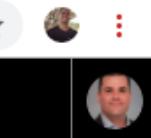
### Tree view

- App
- Screen1
  - TextInput1\_2
  - TextInput1\_1
  - TextInput1
- Logo
- UserPhoto



TEXT INPUT	
Properties	
Default	Name
Format	Text
Hint text	No value
Font	Open Sans
Font size	21
Font weight	Normal
Font style	/ U ↵
Text alignment	Left Center Right
Line height	1.2
Clear button	Off
Maximum length	No value
Mode	Single line
Display mode	Edit

Screen1 TextInput1



Environment  
fleitasarts.com (default)

File Home Insert View Action

 New screen  Label  Button  Text  Controls  Gallery  Data table  Forms  Media  Charts  Icons

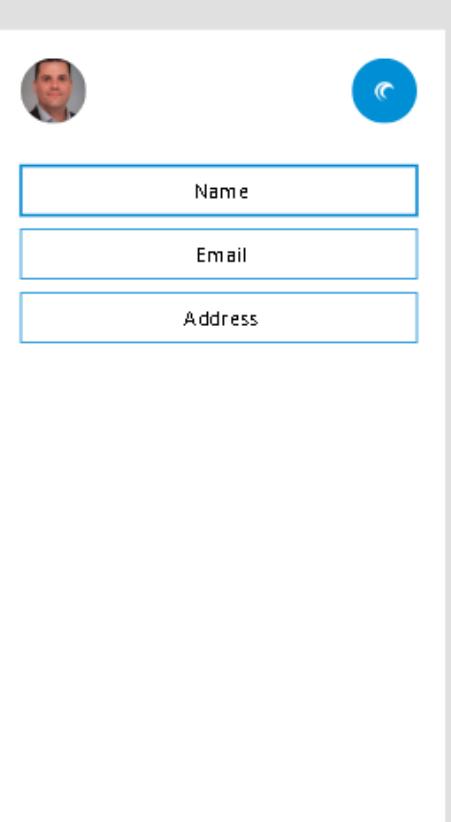
Default ▾ = fx ▾ "Name"

## Tree view

 Search

The screenshot shows the 'App' component structure in the XAML designer. The 'App' component contains a 'Screen1' element, which in turn contains 'Address', 'Email', and 'Name' elements. Each element is represented by a small icon followed by its name.

```
graph TD; App[App] --> Screen1[Screen1]; Screen1 --> Address[Address]; Screen1 --> Email[Email]; Screen1 --> Name[Name];
```



**Properties**      Rules      Advanced

---

Default	Name
Format	Text
Hint text	No value
Font	Open Sans
Font size	21
Font weight	Normal
Font style	/ U
Text alignment	
Line height	1.2
Clear button	Off
Maximum length	No value
Mode	Single line
Display mode	Edit
Visible	On

Screen1 > Name

- — + 40 % ↗

Visible On



## PowerApps

Environment  
fleitasarts.com (default)File Home Insert **View** Action

Leads - Saved (Unpublished)



Data sources Media Collections Variables Advanced

Fill

= fx

RGB(255, 255, 255, 1)

▼

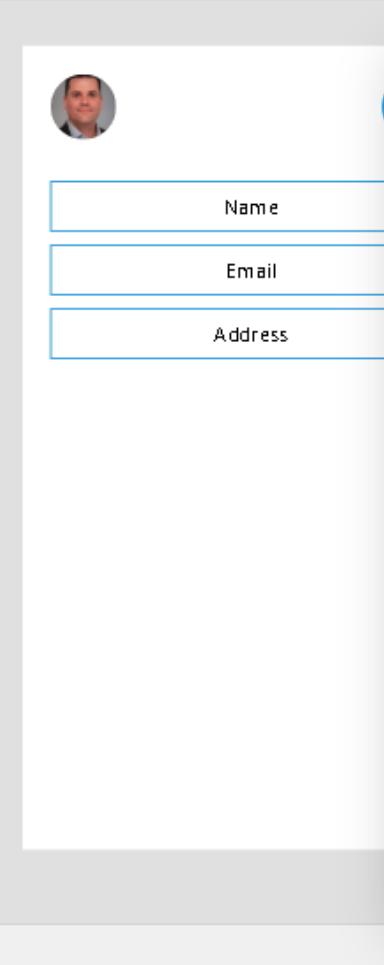
## Tree view

X

Search



Screen1



## Data

X

Search

My connections



10to8 Appointment Scheduling



Act!



Acumatica



Adobe Creative Cloud



Adobe Sign



Ahead



Ally

SCREEN

Screen1

Properties

Rules

Advanced

Fill

Background image

Select an image...

Image position

Fit

?

?

?

?

C



PowerApps

File Home Insert **View** Action

Leads - Saved (Unpublished)

Environment  
fleitasarts.com (default)

Fill = *RGB(255, 255, 255, 1)*

**Tree view**

- App
- Screen1
  - Name
  - Email
  - Address
  - Logo
  - UserPhoto

**Data**

bing

My connections

Bing Maps

Bing Search

**SCREEN**  
Screen1

**Properties** Rules Advanced

Fill

Background image Select an image...

Image position Fit

Screen1

https://www.bing.com/partners/developers#MapsAPIs

## Bing for partners

Essential services ▾ Advanced services ▾ Quick links ▾

For businesses ▾ For developers ▾ Reference & tools ▾

# Maps APIs

The Bing Maps platform provides [multiple API options](#) for your application including an Web control, a Windows UWP apps control, a WPF control, REST Services, and Spatial Data Services. Key solution areas include consumer facing websites, Windows applications, and Geospatial data visualization in line of business solutions in the enterprise.

Backed by enterprise-grade 24/7 support, our Bing Maps API for Enterprise offers the simplest and fastest way to add location information to any business app. Getting started is easy, just register for a Bing Maps account and create a Bing Maps key to authenticate your app.

[Get started](#)

Enhance your mapping applications with a suite of Bing Maps fleet management API services. Whether you're looking for travel-time optimization, routing logistics, asset tracking, or all of the above, Bing Maps has an easy to use solution for your fleet management needs.

[Learn more](#)

Search on Bing

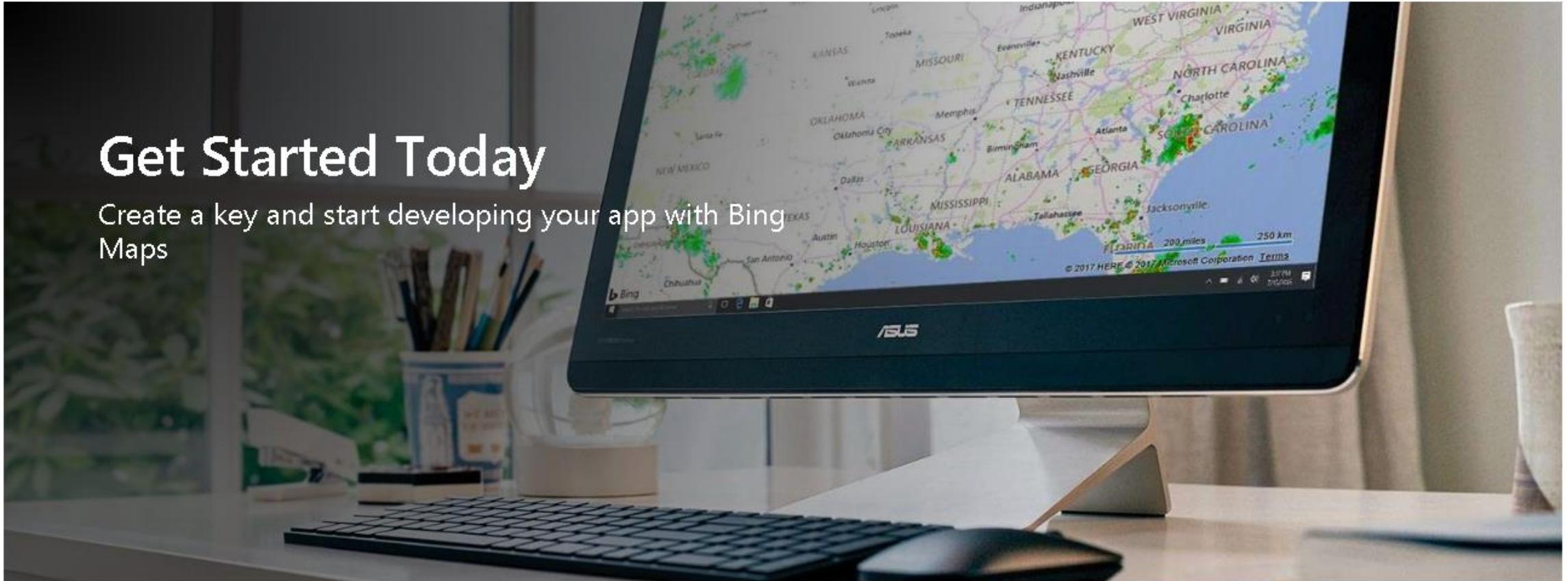
A screenshot of a Microsoft Edge browser window showing the Bing for Partners website. The page is titled 'Maps APIs' and features a large image of the Colosseum in Rome. The browser's address bar shows the URL 'https://www.bing.com/partners/developers#MapsAPIs'. The top navigation bar includes links for 'For businesses', 'For developers', and 'Reference & tools'. A sidebar on the left contains sections for 'Essential services', 'Advanced services', and 'Quick links'. A search bar is located at the top right. The overall theme is professional and technical.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po Bing for Partners helps business Create a Map with Bing Maps Key

https://www.microsoft.com/en-us/maps/create-a-bing-maps-key

Microsoft | Bing Maps Get Started Licensing Developer Documentation Support More REQUEST QUOTE All Microsoft Search Cart Hiram



# Get Started Today

Create a key and start developing your app with Bing Maps

You don't need to be a map creator to develop with Bing Maps. When you register for a Bing Maps account, you'll create a Bing Maps key to authenticate your application, which allows you to include the power of Bing Maps directly in your app. Create a key to get started developing with Bing Maps, and start developing your app today.

## Basic Key

Bing Maps Keys for Business and Personal Use



## Basic Key

### Bing Maps Keys for Business and Personal Use

The Basic Bing Maps Key is for use with consumer-facing, education, and non-profit applications as well as for internal commercial Windows or Windows Phone applications that qualify for free use. See restrictions below.

*Please see the Enterprise Key for business applications used by authenticated enterprise associates and agents.*

#### Basic Key application types and parameters

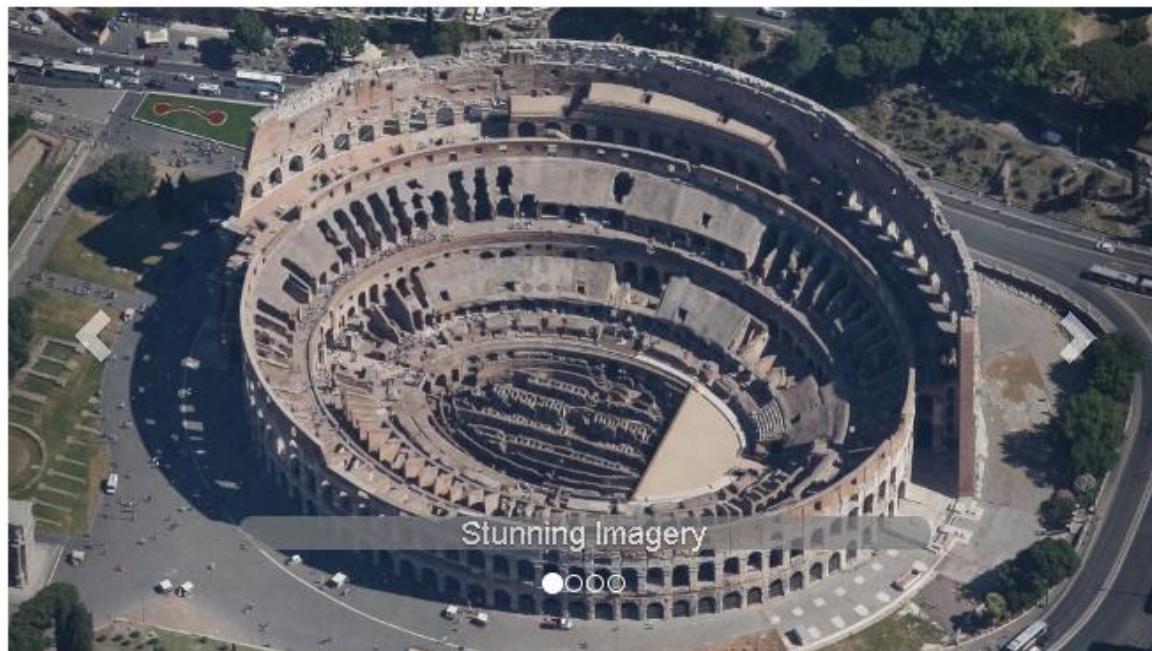
• Website	Public and internal website, and mobile apps that are not on/for the Windows Phone: Maximum 125,000 cumulative billable transactions per calendar year at no charge
• Mobile App	
• Windows App	Public and private Windows App, Education and Non-profit: Maximum 50,000 cumulative billable transactions within any 24-hour period
• Education	
• Non-profit	
• Dev/Test	Applications used by authenticated enterprise users (employees or agents of the enterprise) over a private network.  Maximum 125,000 cumulative billable transactions per calendar year at no charge.

### Bing Maps Resources

- Fleet Management Services
- Windows 10 Map Control and Services
- Bing Maps Documentation
- Bing Maps Developer Support
- Licensing Solutions Partner Resources
- Community
- Other Resources

[GET THE BASIC BING MAPS KEY >](#)

## Bing maps | Dev Center



## Welcome

The Bing Maps Dev Center provides the tools and resources you need to develop with Bing Maps. You can store, access, and keep track of your store locations or other spatial data through our online data source management system. You will also receive important announcements around your Bing Maps account.

[Sign in](#)

## First time Bing Maps developer?

To get started developing with Bing Maps, you will need a Bing Maps key. To create a key:

1. [Sign in](#) to the Bing Maps Dev Center with your existing Microsoft Account or create a new one.
2. Or, if you're an Azure customer, you can add Bing Maps to your Azure subscription through the [Azure Marketplace](#).

## Samples

[Interactive SDK for Bing Maps Web Control v8](#)  
[Code samples](#)  
[Case studies](#)

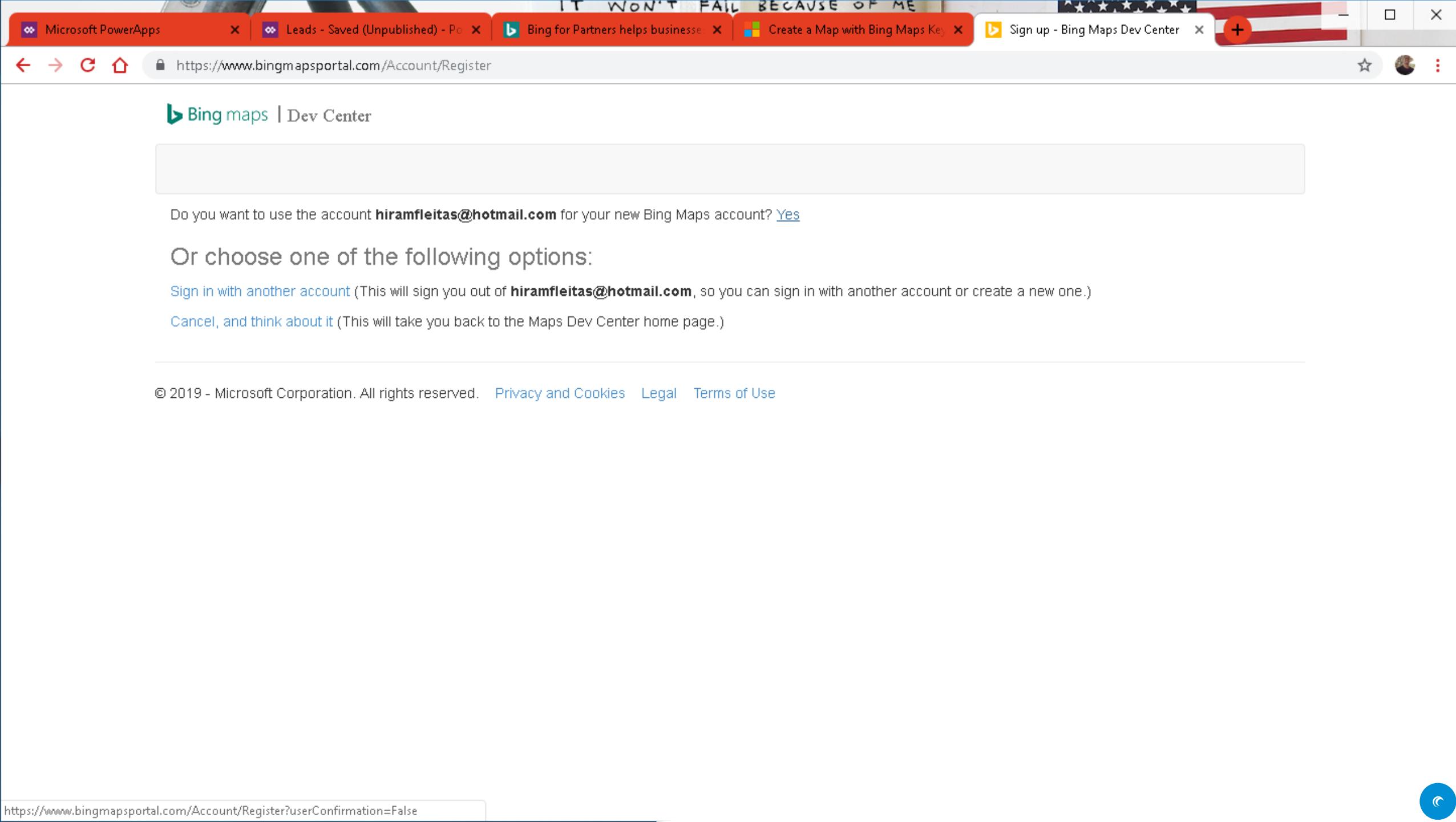
## Help

[Getting started](#)  
[API & Controls](#)  
[Licensing](#)  
[Technical support](#)

## Community

[Bing Maps blog](#)  
[Forum](#)  
[Twitter](#)





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Microsoft PowerApps Leads - Saved (Unpublished) - Po Bing for Partners helps business Create a Map with Bing Maps Key Sign up - Bing Maps Dev Center +

https://www.bingmapsportal.com/Account/Register?userConfirmation=False

## Create account

### Account details

**Account name \***

**Contact name**

**Company name**

**Email address \*** - This email address will receive important service announcements and notifications.

**Phone number**

I agree to the [Bing Maps Platform APIs' Terms of Use \(TOU\)](#).

**Contact Preferences**

I would like information, tips and offers about Bing Maps. [Privacy Statement](#)

Email  Telephone

**Create**

\* Required field

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Microsoft PowerApps Leads - Saved (Unpublished) - Po Bing for Partners helps businesse Create a Map with Bing Maps Key Announcements - Bing Maps Dev

https://www.bingmapsportal.com/announcement

Bing maps | Dev Center

My account ▾ Data sources ▾ Announcements Contacts & Info (hiramfleitas@hotmail.com) Sign out

Account Details My Keys Reports

Announcement: No current service announcements.

To stay informed about recent Bing Maps Platform releases and news, please visit the [Bing Maps Blog](#).

## Important reminder regarding Bing Maps service notifications:

To ensure your company receives important Bing Maps service notifications and announcements that may affect your service availability, please make sure you always keep your organization's email contacts up-to-date in the 'Account Details' section of the Bing Maps Dev Center. **We recommend having multiple email address contacts listed there and the use of a distribution group email address is a suggested best practice (i.e.: bingmaps@contoso.com).**

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https://www.bingmapsportal.com/Application

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https://www.bingmapsportal.com/Application

Bing maps | Dev Center

My account Data sources Announcements Contacts & Info (hiramfleitas@hotmail.com) Sign out

## My keys

### Create key

**Application name \***  
PowerApps Leads

**Application URL**  
https://web.powerapps.com

**Key type \*** What's This  
Basic

**Application type \***  
Dev/Test

**Create** **Cancel**

\* Required field

To create Education, Broadcast or Not-for-Profit keys, please contact the Bing Maps account team at [mpnet@microsoft.com](mailto:mpnet@microsoft.com).

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Bing for Partners helps businesse

Create a Map with Bing Maps Key

Create key - Bing Maps Dev Cent

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https://www.bingmapsportal.com/Application

☆ 🚙 ⌂

Bing maps | Dev Center

My account

Data sources

Announcements

Contacts & Info

(hiramfleitas@hotmail.com)

Sign out

My keys

Key created successfully.

Click [here](#) to create a new key.

Click [here](#) to download complete list of keys.

View Specific Key:

Enter key to search...

🔍

Application name	Key details
PowerApps Leads	<p><b>Key:</b> <a href="#">Show key</a></p> <p><b>Application Url:</b></p> <p><b>Key type:</b> Basic / Dev/Test</p> <p><b>Created date:</b> 05/04/2019</p> <p><b>Expiration date:</b> None</p> <p><b>Key Status:</b> Enabled</p> <p><b>Security Enabled:</b> No</p> <p><a href="#">Update</a> <a href="#">Copy key</a> <a href="#">Usage Report</a> <a href="#">Enable</a> <a href="#">Security</a></p>

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⟳

## Bing maps | Dev Center

[My account](#) [Data sources](#)ramfleitas@hotmail.com [Sign out](#)

### My keys

Key created successfully.

Click [here](#) to create a new key.Click [here](#) to download complete list of keys.**View Specific Key:**

Enter key to s

[Close](#)

Application Key Security Settings				
Referrers	IP Range	Enabled	Action	
<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>		
PowerApps	powerapps.com	<input checked="" type="checkbox"/>		

Application name	Key details	
PowerApps Leads	<b>Key:</b> <a href="#">Show key</a> <b>Application Url:</b> <b>Key type:</b> Basic / Dev/Test <b>Created date:</b> 05/04/2019 <b>Expiration date:</b> None <b>Key Status:</b> Enabled <b>Security Enabled:</b> No	<a href="#">Update</a> <a href="#">Copy key</a> <a href="#">Usage Report</a> <a href="#">Enable</a> <a href="#">Security</a>



Microsoft PowerApps Leads - Saved (Unpublished) - Po Create key - Bing Maps Dev Cent

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https://www.bingmapsportal.com/Application#

Bing maps | Dev Center

My account Data sources Announcements Contacts & Info (hiramfleitas@hotmail.com) Sign out

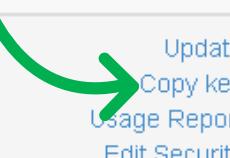
## My keys

Click [here](#) to create a new key.  
Click [here](#) to download complete list of keys.

**View Specific Key:**

Application name	Key details
PowerApps Leads	<p><b>Key:</b> <a href="#">Show key</a></p> <p><b>Application Url:</b></p> <p><b>Key type:</b> Basic / Dev/Test</p> <p><b>Created date:</b> 05/04/2019</p> <p><b>Expiration date:</b> None</p> <p><b>Key Status:</b> Enabled</p> <p><b>Security Enabled:</b> Yes</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"><a href="#">Update</a> <a href="#">Copy key</a> <a href="#">Usage Report</a> <a href="#">Edit Security</a></div>

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https://us.create.powerapps.com/studio/#

# PowerApps

Environment  
fleitasarts.com (default)

File Home Insert **View** Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

Fill = *fx* `RGB(255, 255, 255, 1)`

**Tree view**

- App
- Screen1
  - Address
  - Email
  - Name
  - Logo
  - UserPhoto

**Screen1**

**Data**

Add data source

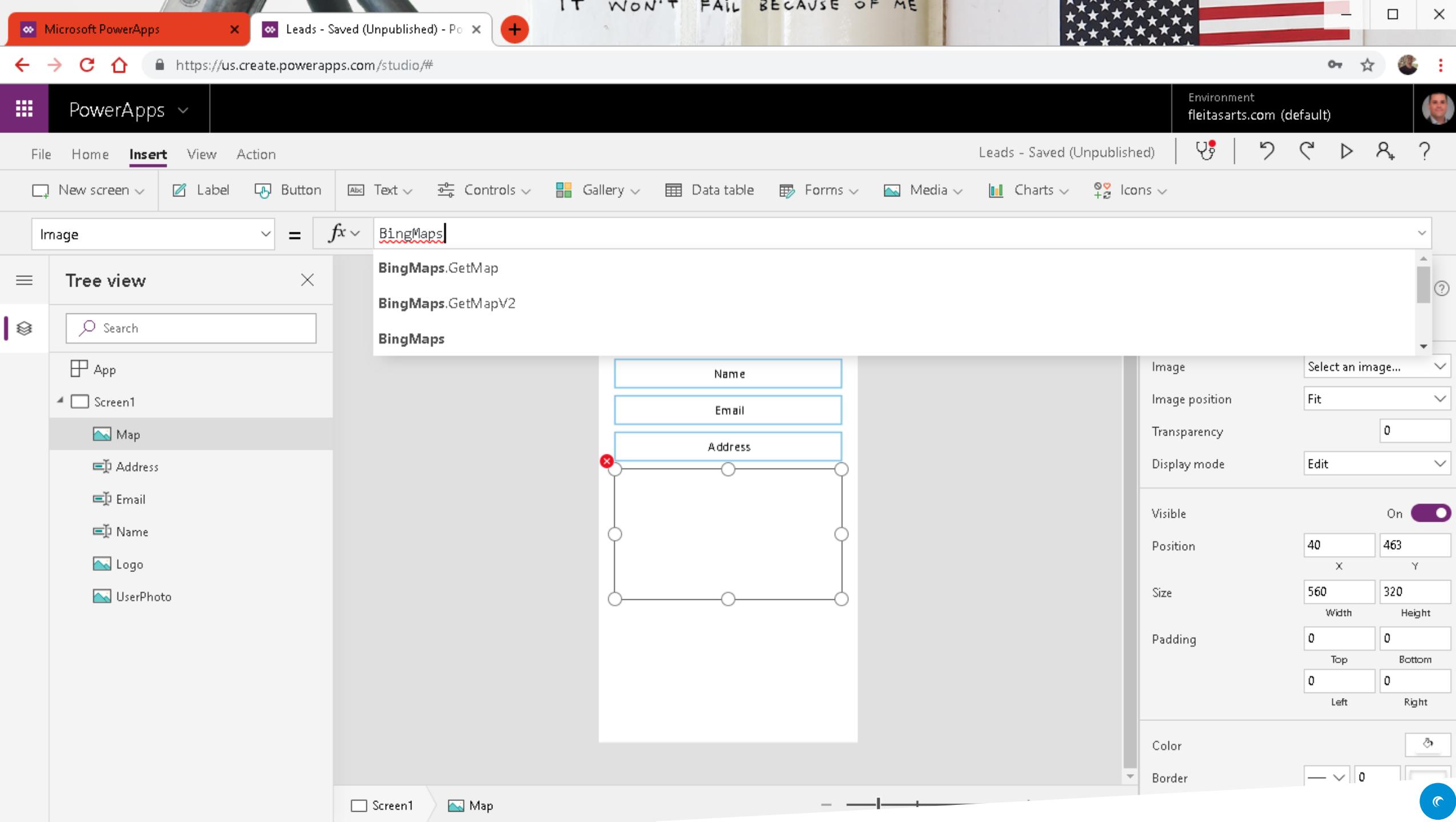
- Office365Users**  
hiram@fleitasarts.com
- BingMaps**  
Bing Maps

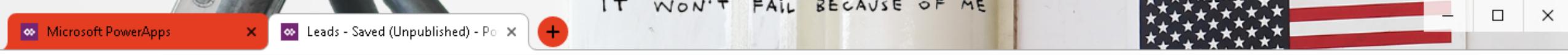
**Properties** Rules Advanced

Fill

Background image Select an image...

Image position Fit





IT WON'T FAIL BECAUSE OF ME

PowerApps Environment  
fleitasarts.com (default)

File Home Insert View Action

GetMapV2(imagerySet, zoomLevel, latitude, longitude, ...)

New screen Label Button

Image = BingMaps.GetMapV2()

Tree view

Search

- App
- Screen1
  - Map
  - Address
  - Email
  - Name
  - Logo
  - UserPhoto

Name

Email

Address

Image Select an image...

Image position Fit

Transparency 0

Display mode Edit

Visible On

Position 40 463

Size 560 320

Padding 0 0

Top 0 Bottom 0

Left 0 Right 0

Color

Border 0

Screen1 Map

Microsoft PowerApps Leads - Saved (Unpublished) +

https://us.create.powerapps.com/studio/#

PowerApp Environment  
fleitasarts.com (default)

File Home In New screen Controls Gallery Data table Forms Media Charts Icons

Allow Block

Know your location

Leads - Saved (Unpublished)

Image = BingMaps.GetMapV2("AerialWithLabels",11,Location.Latitude,Location.Longitude)

Tree view

Search

App Screen1 Map Address Email Name Logo UserPhoto

Name Email Address

IMAGE Map Properties Rules Advanced

Image Select an image... Image position Fit Transparency 0 Display mode Edit

Visible On Position X 40 Y 463 Size Width 560 Height 320 Padding Top 0 Bottom 0 Left 0 Right 0

Color Border 0

Screen1 Map

IT WON'T FAIL BECAUSE OF ME

US FLAG

Allow Block

Know your location

Leads - Saved (Unpublished)

Image = BingMaps.GetMapV2("AerialWithLabels",11,Location.Latitude,Location.Longitude)

Tree view

Search

App Screen1 Map Address Email Name Logo UserPhoto

Name Email Address

IMAGE Map Properties Rules Advanced

Image Select an image... Image position Fit Transparency 0 Display mode Edit

Visible On Position X 40 Y 463 Size Width 560 Height 320 Padding Top 0 Bottom 0 Left 0 Right 0

Color Border 0

Screen1 Map



PowerApps ▾

Environment  
fleitasarts.com (default)

File Home Insert View Action

GetMapV2(imagerySet, **zoomLevel**, latitude, longitude, ...)

Data sources    Media    Collections

**zoomLevel:** The level of zoom to display between 0 and 21. Default: 10 Default: "10"

Image

```
BingMaps.GetMapV2("AerialWithLabels", 15, Location.Latitude, Location.Longitude)
```

## Tree view

Search

App

Screen1

A small icon of a map with a sun, representing a map function.

## Address

Email

 Name

 Logo



Name

Email

Address



Properties		Rules	Advanced
Image	Select an image...	<input type="button" value="..."/>	
Image position	Fit	<input type="button" value="..."/>	
Transparency	0	<input type="button" value="..."/>	
Display mode	Edit	<input type="button" value="..."/>	
<p><b>Visible</b> <input checked="" type="checkbox"/></p> <p><b>Position</b> <input type="text" value="40"/> X <input type="text" value="463"/> Y</p> <p><b>Size</b> <input type="text" value="560"/> Width <input type="text" value="320"/> Height</p> <p><b>Padding</b> <input type="text" value="0"/> Top <input type="text" value="0"/> Bottom  <input type="text" value="0"/> Left <input type="text" value="0"/> Right</p> <p><b>Color</b> <input type="color"/></p> <p><b>Border</b> <input type="button" value="—"/> <input type="button" value="v"/> <input type="text" value="0"/> <input type="button" value="..."/></p>			

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Microsoft PowerApps Leads - Saved (Unpublished) - Po Reports - Bing Maps Dev Center

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action

GetMapV2(imagerySet, **zoomLevel**, latitude, longitude, ...)

**zoomLevel:** The level of zoom to display between 0 and 21. Default 10 Default: "10"

Image = `BingMaps.GetMapV2("Road", 15, Location.Latitude, Location.Longitude)`

**Tree view**

Search

- App
- Screen1
- Map
- Address
- Email
- Name
- Logo
- UserPhoto

**Properties**

Image: Select an image...

Image position: Fill

Transparency: 0

Display mode: Edit

Visible: On

Position: X: 40, Y: 463

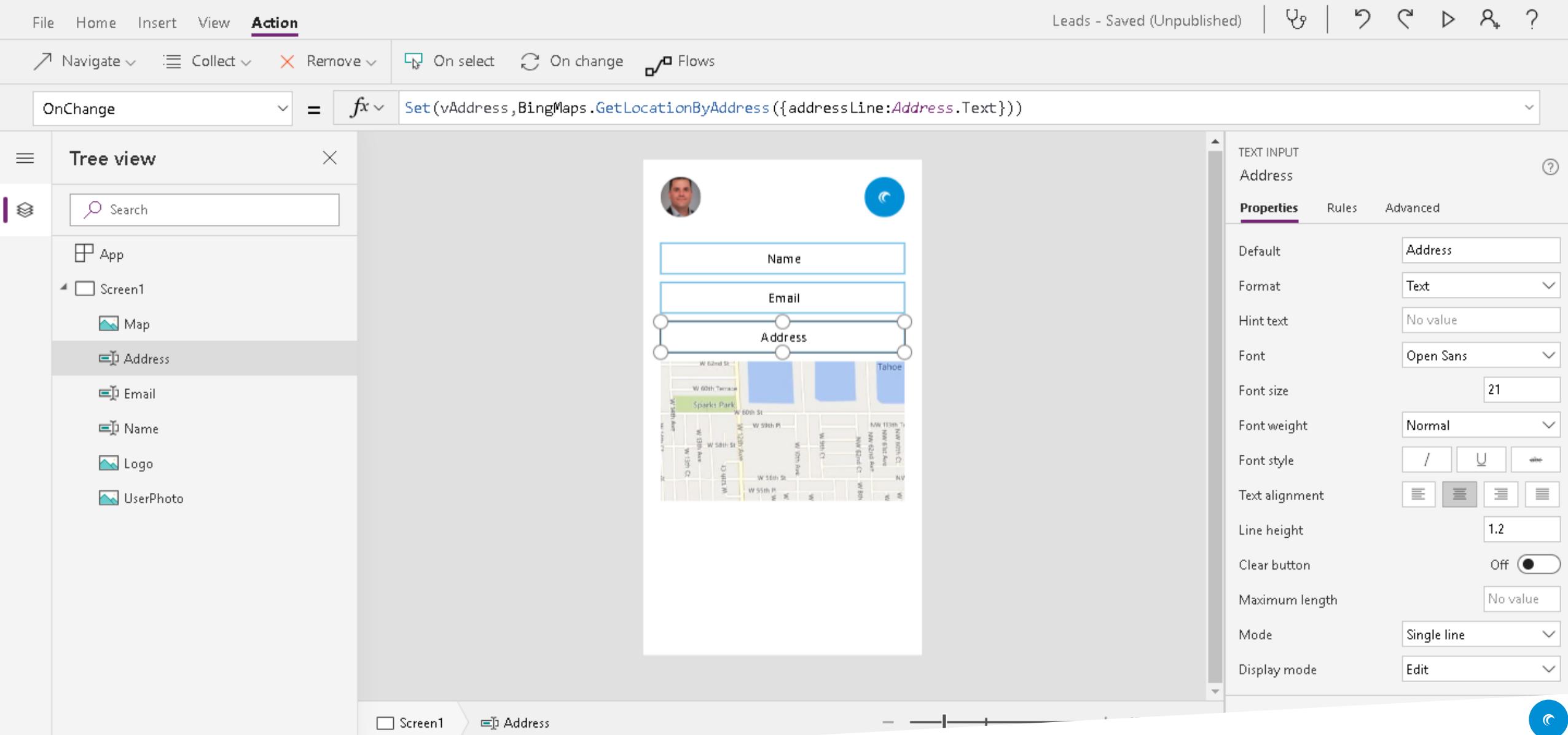
Size: Width: 560, Height: 320

Padding: Top: 0, Bottom: 0, Left: 0, Right: 0

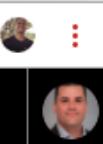
Color

Border: 0

Screen1 Map





If(  
    Address.Text = "Address",        BingMaps.GetMapV2(  
            "Road",  
            15,  
            Location.Latitude,  
            Location.Longitude  
        ),        BingMaps.GetMapV2(  
            "Road",  
            15,  
            vAddress.point.coordinates.latitude,  
            vAddress.point.coordinates.longitude  
        )

)

Evaluate

Then true

Else false

Format text Remove formatting



Size

560 320

Width Height

Padding

0 0

Top Bottom

0 0

Left Right

Color

...

Border

— 0

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Reports - Bing Maps Dev Center

https://us.create.powerapps.com/studio/#

PowerApps Environment fleitasarts.com (default)

Action

File Home Insert View Action

Leads - Saved (Unpublished)

GetMapV2(imagerySet, zoomLevel, latitude, longitude, {format:Text, mapSize:Text, pushpinLatitude:Number, pushpinLongitude:Number, pushpinIconStyle:Number, pushpinLabel:Text})

Image

If(

```
Address.Text = "Address",
BingMaps.GetMapV2(
    "Road",
    15,
    Location.Latitude,
    Location.Longitude,
    {
        pushpinLatitude: Location.Latitude,
        pushpinLongitude: Location.Longitude,
        pushpinIconStyle: 37
    }
),
BingMaps.GetMapV2(
    "Road",
    15,
    vAddress.point.coordinates.latitude,
    vAddress.point.coordinates.longitude,
    {
        pushpinLatitude: vAddress.point.coordinates.latitude,
        pushpinLongitude: vAddress.point.coordinates.longitude,
        pushpinIconStyle: 86
    }
)
```

Format text Remove formatting

Screen1 Map

A screenshot of the Microsoft PowerApps studio interface. The main area shows a code editor with a green box highlighting a conditional statement. The code uses the `BingMaps.GetMapV2` function twice, once for an address and once for a location. The conditional logic checks if the address text is "Address". If true, it uses the address's coordinates; if false, it uses the location's coordinates. The pushpin icon style is set to 37 for the address and 86 for the location. The code editor has a toolbar at the bottom with 'Format text' and 'Remove formatting' buttons. On the left, there's a tree view of the app structure under 'Screen1'. The top navigation bar shows tabs for Microsoft PowerApps, Leads - Saved (Unpublished), and Reports - Bing Maps Dev Center. The URL in the browser is https://us.create.powerapps.com/studio/#.

Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action

New screen Theme Open Sans

GetMapV2(imagerySet, zoomLevel, latitude, longitude, {format:Text, mapSize:Text, pushpinLatitude:Number, pushpinLongitude:Number, pushpinIconStyle:Number, pushpinLabel:Text})

Image

If(

```
Address.Text = "Address",
BingMaps.GetMapV2(
    "Road",
    13,
    Location.Latitude,
    Location.Longitude,
    {
        pushpinLatitude: Location.Latitude,
        pushpinLongitude: Location.Longitude,
        pushpinIconStyle: 37
    }
),
BingMaps.GetMapV2(
    "Road",
    15,
    vAddress.point.coordinates.latitude,
    vAddress.point.coordinates.longitude,
    {
        pushpinLatitude: vAddress.point.coordinates.latitude,
        pushpinLongitude: vAddress.point.coordinates.longitude,
        pushpinIconStyle: 86,
        pushpinLabel: Name.Text
    }
)
```

Tree view

Search

App

Screen1

Map

Address

Email

Name

Logo

UserPhoto

Format text Remove formatting Acceleration

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 21 B / U A Fill Border Reorder Align Group AccessibleLabel fx ""

Tree view X Search App Screen1 txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto

Name Email Address Lead ID

Palm Springs Estates

Lead ID

Properties Default Lead ID Format Text Hint text No value Font Open Sans Font size 21 Font weight Normal Font style / U = Text alignment Default Line height 1.2 Clear button Off Maximum length No value Mode Single line Display mode Edit

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 21 B / U A Fill Border Reorder Align Group

OnSelect = Launch("http://fleitasarts.com")

**Tree view**

Search

- App
- Screen1
  - txtLeadID
  - Map
  - txtAddress
  - txtEmail
  - txtName
  - Logo
  - UserPhoto

**Properties**

Image: Logo\_2  
Image position: Fit  
Transparency: 0  
Display mode: Edit

Visible: On  
Position: X: 508 Y: 40  
Size: Width: 92 Height: 92  
Padding: Top: 0 Bottom: 0 Left: 0 Right: 0

Color  
Border

Screen1 Logo

A screenshot of the Microsoft PowerApps studio interface. The top navigation bar shows 'Microsoft PowerApps' and 'Leads - Saved (Unpublished)'. The URL 'https://us.create.powerapps.com/studio/' is visible in the address bar. The main workspace displays a 'Tree view' of components on the left, including an 'App' node and a 'Screen1' node containing 'txtLeadID', 'Map', 'txtAddress', 'txtEmail', 'txtName', 'Logo', and 'UserPhoto' controls. The 'Logo' control is currently selected, as indicated by the highlighted border and the properties panel on the right. The properties panel shows settings for the 'Logo' component, such as its image source ('Logo\_2'), position ('Fit'), transparency ('0'), and visibility ('On'). It also includes fields for position (X: 508, Y: 40), size (Width: 92, Height: 92), padding (Top: 0, Bottom: 0, Left: 0, Right: 0), and color/border options. The bottom of the screen shows the names of the selected controls: 'Screen1' and 'Logo'.



Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

File Home Insert View Action New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Fill Tree view Search App Screen1 txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto

Button Lets users click or tap to perform an action. Set its properties to determine how this button looks and behaves.

A(255, 255, 255, 1)

Name Email Address

Palm Springs Estates

Lead ID

SCREEN Screen1 Properties Rules Advanced Fill Background image Select an image... Image position Fit

IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished)

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons BorderColor = ColorFade(btnAdd.Fill, -15%)

Tree view Search App Screen1 btnAdd txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto Email Address Lead ID Add

**Properties**

Text: Add  
Display mode: Edit  
Visible: On  
Position: X: 40 Y: 895  
Size: Width: 560 Height: 70  
Padding: Top: 5 Bottom: 5 Left: 5 Right: 5  
Color: A  
Border: Thickness: 2, Color: Blue  
Border radius: 5  
Font: Open Sans

A map showing the location of Palm Springs Estates, with a red pin marking the exact spot. The map includes labels for Immeto Express, 826, Westland Mall, NW 103rd St, NW 121st St, NW 122nd St, 4th Ave, W 4th Ave, W 49th St, E 49th St, and Amelia Earhart Gratigny Rd.

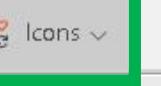


IT WON'T FAIL BECAUSE OF ME

leads - Saved (Unpublished) - Po

https://us.create.powerapps.com/studio/

PowerApps Environment  
fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) 

New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

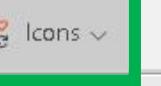
OnSelect = fx false

Tree view   
App Screen1 Icon1 btnAdd txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto



Lead ID

Add

  
+ Add  
X Cancel  
Edit  
✓ Check  
Search  
Filter  
Sort  
Reload  
Trash  
Save

dd 0

On

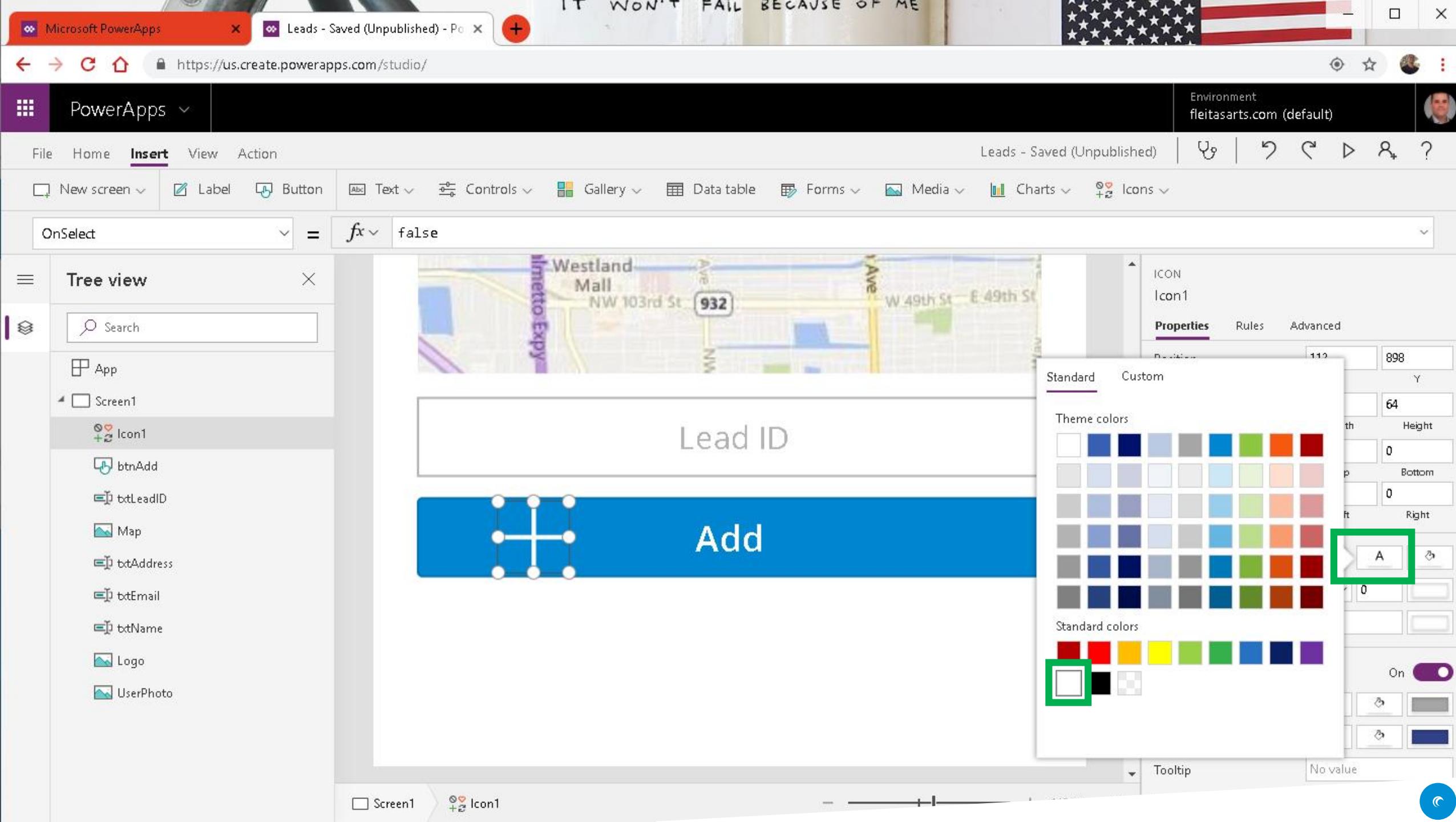
898

64

Width Height

Padding Top Bottom Left Right

Color Border Focused border



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons OnSelect = fx false Tree view Search App Screen1 Icon1 btnAdd txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto Lead ID Add

ICON Icon1 Properties Rules Advanced 112 098 Y Height Bottom Right Standard Custom Theme colors Standard colors Tooltip No value

A screenshot of the Microsoft PowerApps studio interface showing a lead addition screen. The screen includes a map of Westland Mall area, a text input field for 'Lead ID', a large blue button with a grid icon and the text 'Add', and a properties panel for an 'Icon1' control. The properties panel shows settings for 'Standard' colors, with a color swatch for white highlighted by a green box. The URL in the browser bar is https://us.create.powerapps.com/studio/.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

OnSelect = fx false

Tree view

Search

App

Screen1

icoAdd

btnAdd

txtLeadID

Map

txtAddress

txtEmail

txtName

Logo

UserPhoto

Copy these items

Paste

Delete these items

Group

Reorder

Align

Lead ID

Add

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Multiple Width Height

Padding Multiple Multiple Top Bottom

Color A

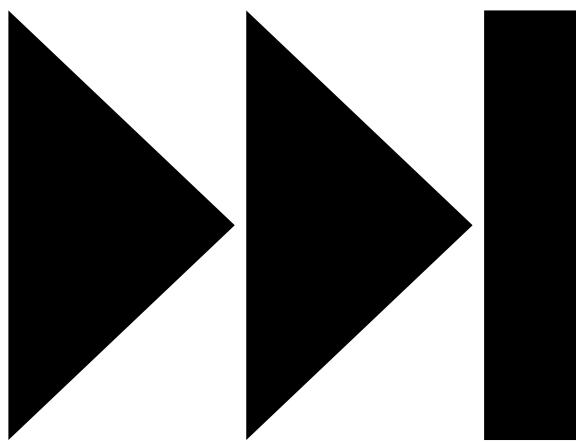
Border Multipl Black

Auto disable on select On

Disabled color A

2 controls selected

The screenshot shows a Microsoft PowerApps studio interface. In the center, there is a map control displaying a location in Palm Springs Estates. Below the map is a text input field labeled "Lead ID". At the bottom is a large blue button with the word "Add" in white. To the left, a tree view pane lists various controls: "icoAdd" and "btnAdd" are highlighted with green boxes and have a context menu open over them. The menu includes options like "Copy these items", "Paste", "Delete these items", "Group", "Reorder", and "Align". The "Properties" pane on the right shows settings for the selected "btnAdd" control, including "Display mode: Edit", "Visible: On", and "Position: Multiple X, Multiple Y". The "Properties" tab is currently selected.



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action Leads - Saved (Unpublished) ?

New screen Theme Open Sans 21 Fill Reorder Align Group

Fill = RGBA(255, 255, 255, 1)

Tree view

Search

App

Home

- grpLink
  - icoLink
  - btnLink
- grpDelete
  - icoDelete
  - btnDelete
- grpCheck
  - icoCheck
  - btnCheck
- grpAdd
  - icoAdd
  - btnAdd

Name  
Email  
Address  
Lead ID

Add Check Delete Link

SCREEN Home Properties Rules Advanced

Fill   
Background image Select an image...  
Image position Fit

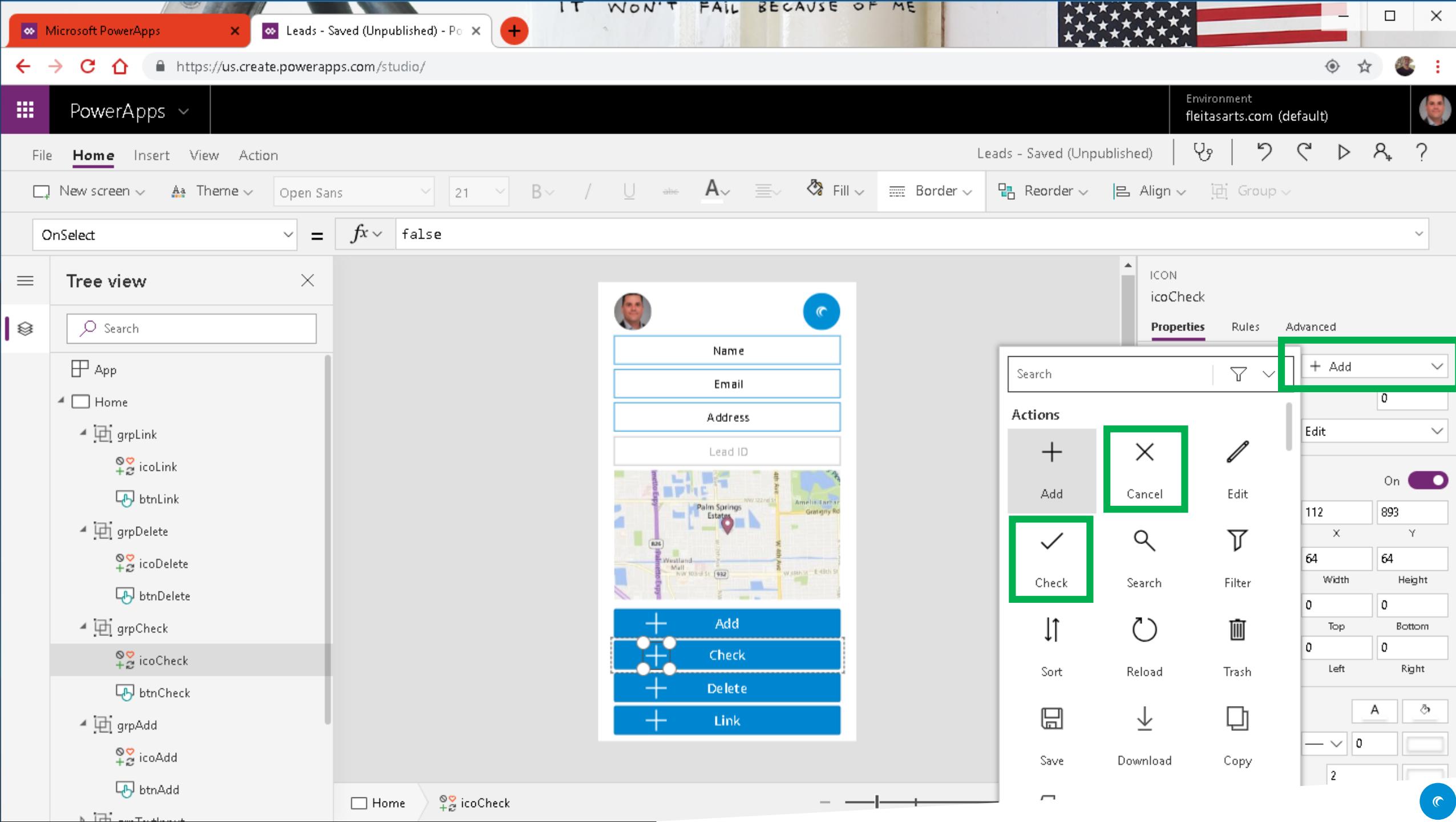
Home

+

+

+

+



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 21 B / U A Fill Border Reorder Align Group

OnSelect = fx false

**Tree view**

- App
- Home
  - grpLink
    - icoLink
    - btnLink
  - grpDelete
    - icoDelete
    - btnDelete
  - grpCheck
    - icoCheck
    - btnCheck
  - grpAdd
    - icoAdd
    - btnAdd

**Properties**

ICON icoLink

Search

Emoji - Smile   Emoji - Sad   Emoji - Neutral

Warning   Information   Database

Weather   Hashtag   Trending upward

Items   Layers   Trending

Line weight   3D Printing

Layers 0 Edit On 112 1053 X Y 64 64 Width Height 0 0 Top Bottom 0 0 Left Right A 0 0 2

**Lead**

Name Email Address Lead ID

Palm Springs Estate

Add Check Delete Link

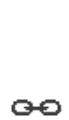
Home icoLink

## Office UI Fabric Icons

link

[X](#)[Get subset](#)[Select Unicodes](#)

1 selected

View [▼](#)

## Subset options

## Font file name

fabric-icons

The name given to font, .ts, HTML, and CSS files.

## Font-family name

FabricMDL2Icons

font-family name given in the @font-face definition.

 Create subset chunks ⓘ Exclude selection from subset ⓘ Hash font file name ⓘ

## File size previews

File size previews are an approximation and may not match the final file sizes.

fabric-icons.woff  
2.1 KBfabric-icons.css  
3.2 KB

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

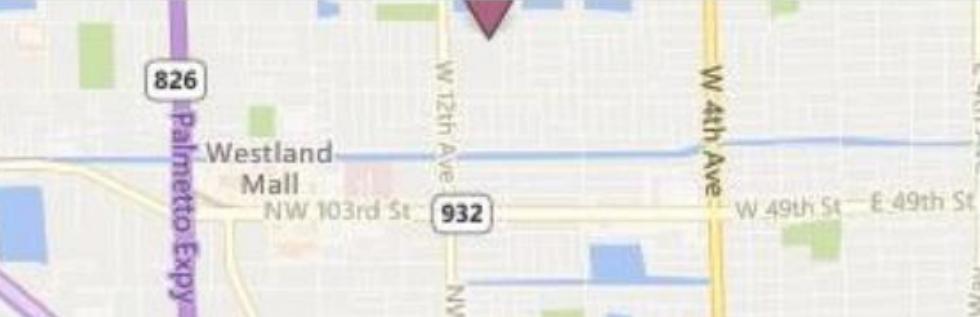
File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 24 B / U A Fill Border Reorder Align Group

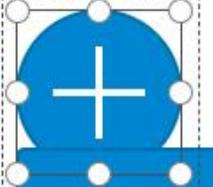
OnSelect = fx false

Tree view

Search

- App
- Home
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
    - icoAdd
    - btnAdd
  - grpTextInput
  - Map
  - Logo
  - UserPhoto



 Check

 Delete

 Link

**Properties** (selected)  
Text: No value  
Display mode: Edit  
Visible: On  
Position: 40, 810  
Size: 92, 92 (Width, Height)  
Padding: 5, 5 (Top, Bottom), 5, 5 (Left, Right)  
Color: A  
Border: 2  
Border radius: 92  
Font: Open Sans

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 24 B / U A Fill Border Reorder Align Group OnSelect Add a new screen (Ctrl+M) = fx false

Tree view X Search App Home grpLink grpDelete grpCheck grpAdd icoAdd btnAdd grpTextInput Map Logo UserPhoto

826 Palmetto Expy Westland Mall NW 103rd St 932 W 12th Ave W 4th Ave W 49th St E 49th St

Check Delete Link

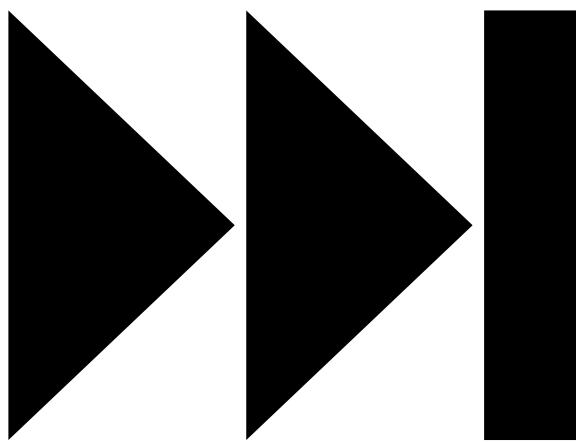
BUTTON btnAdd Properties Rules Advanced rad RadiusTopLeft btnAdd.Height RadiusTopRight btnAdd.Height RadiusBottomLeft btnAdd.Height RadiusBottomRight btnAdd.Height

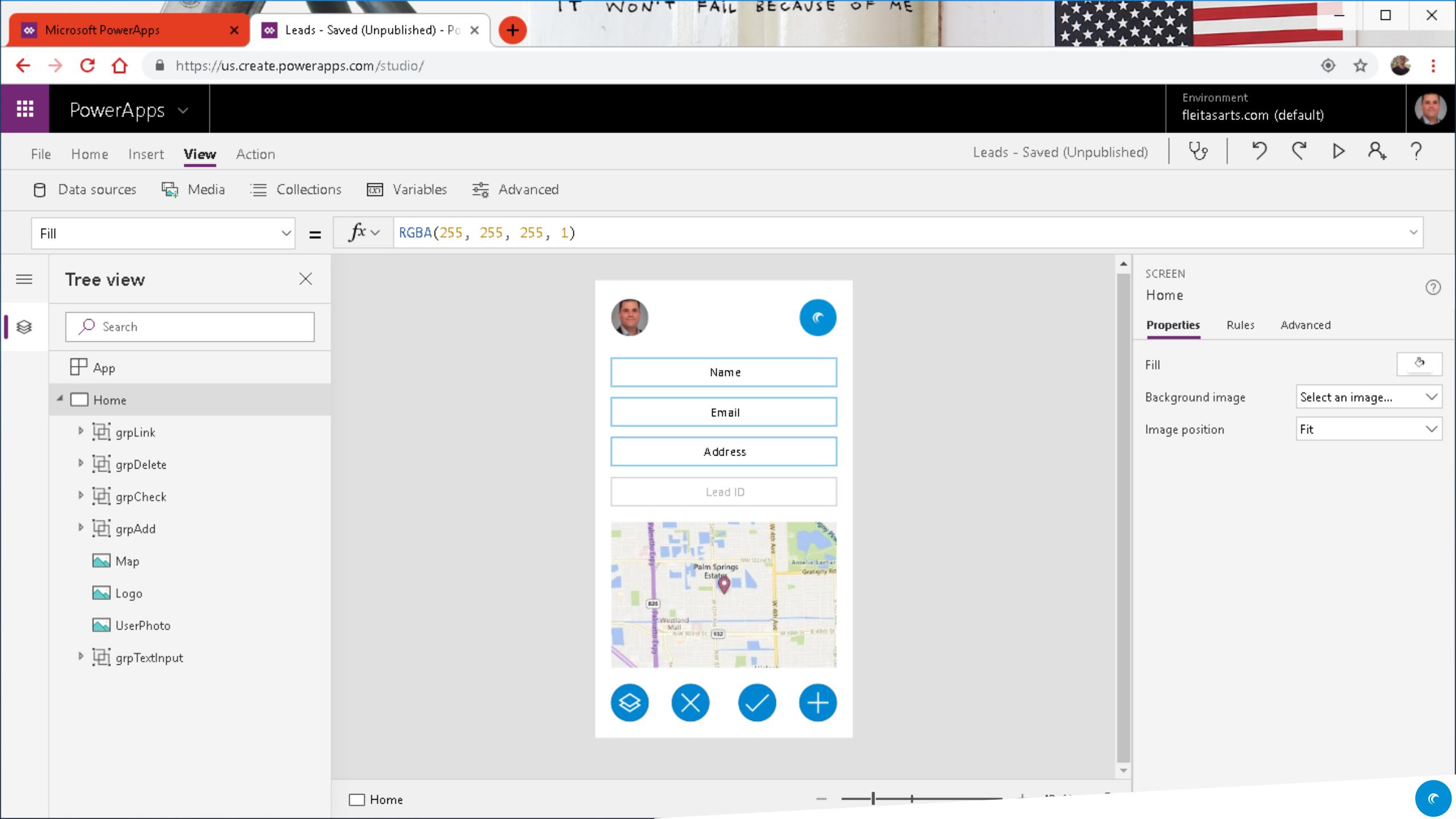
Home btnAdd

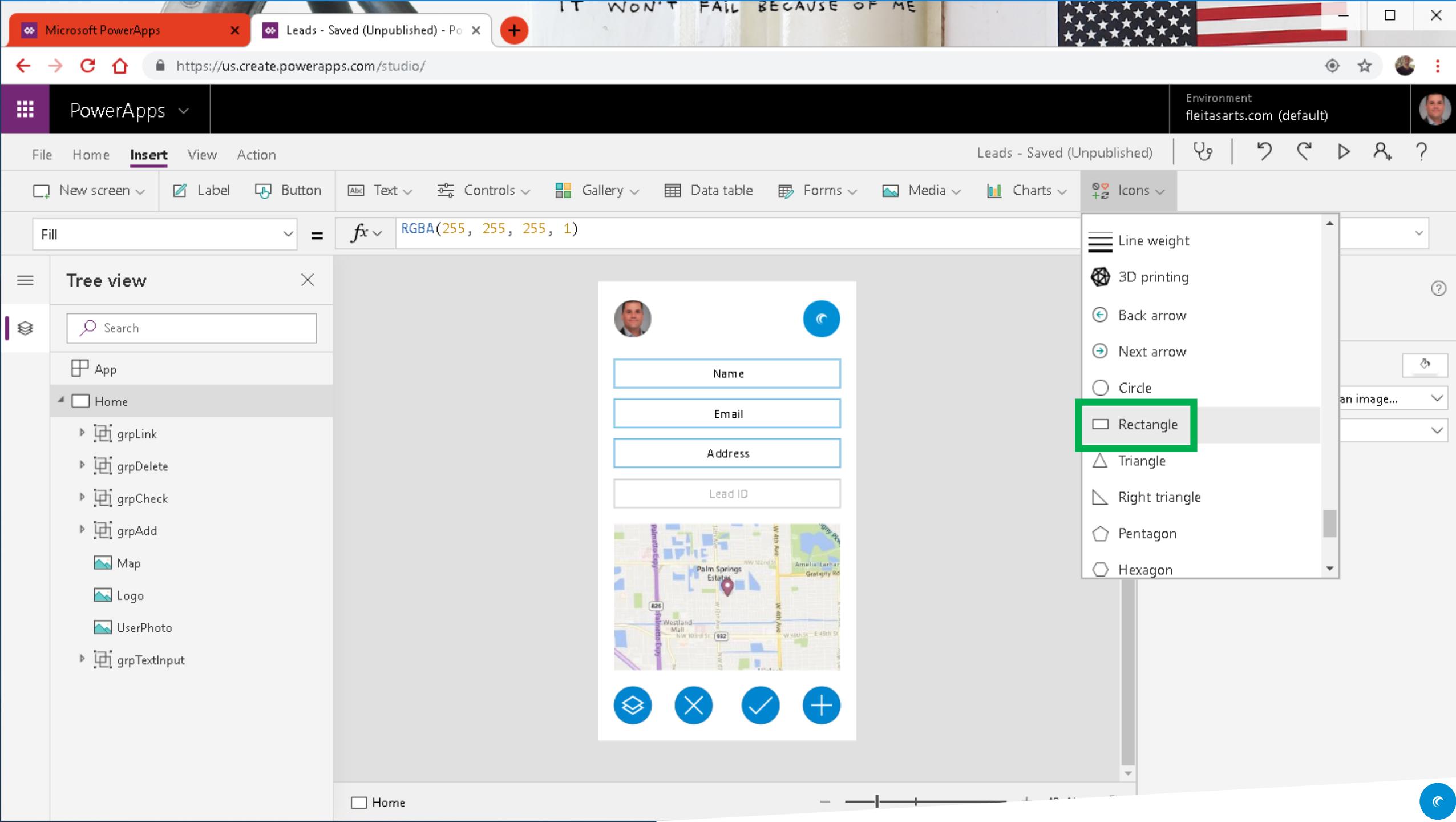
The screenshot shows the Microsoft PowerApps studio environment. At the top, there are tabs for 'File', 'Home' (which is selected), 'Insert', 'View', and 'Action'. The title bar indicates the current project is 'Leads - Saved (Unpublished)' and the URL is 'https://us.create.powerapps.com/studio/'. The top navigation bar includes icons for back, forward, search, and other common operations.

In the center, there is a map of a local area with streets like 'Palmetto Expy', 'Westland Mall', 'NW 103rd St', 'W 12th Ave', 'W 4th Ave', 'W 49th St', and 'E 49th St'. Below the map, there are three blue rectangular buttons with white text and icons. The first button has a plus sign icon and the word 'Check'. The second button has a red 'X' icon and the word 'Delete'. The third button has a stack of three squares icon and the word 'Link'.

To the left of the map, there is a 'Tree view' sidebar with a search bar and a list of components: 'App', 'Home', 'grpLink', 'grpDelete', 'grpCheck', 'grpAdd' (which contains 'icoAdd' and 'btnAdd'), 'grpTextInput', 'Map', 'Logo', and 'UserPhoto'. To the right of the map, there is a 'BUTTON' section for a component named 'btnAdd'. It shows properties like 'Properties' and 'Rules', and an 'Advanced' tab which is currently selected. The 'Advanced' tab displays several height-related properties: 'RadiusTopLeft', 'btnAdd.Height', 'RadiusTopRight', 'btnAdd.Height', 'RadiusBottomLeft', 'btnAdd.Height', 'RadiusBottomRight', and 'btnAdd.Height'. The 'RadiusBottomLeft' and 'RadiusBottomRight' fields are highlighted with a green border.







IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) + https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action Leads - Saved (Unpublished) ?

New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

OnSelect = fx false

Tree view Search App Home Rectangle1 grpLink grpDelete grpCheck grpAdd Map Logo UserPhoto grpTextInput

RECTANGLE Rectangle1 Properties Rules Advanced Display mode Edit Visible On Position X 0 Y 0 Size Width 640 Height 1136 Color Border Disabled color Hover color Pressed color Tooltip No value Tab index -1

Home Rectangle1

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Visible = fx true

Tree view

Search

- App
- Home
  - popShade
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
    - icoAdd
    - btnAdd
  - Map
  - Logo
  - UserPhoto
  - grpTextInput

RECTANGLE popShade

Properties Rules Advanced

Search for a property ...

ACTION

OnSelect

false

DATA

AccessibleLabel

...  
RGBA(red\_value, green\_value, blue\_value, alpha\_value )

alpha\_value: The alpha component, 0 to 1 (or a percentage, such as 49%).

RGBA(255, 255, 255, 0.98) fx

DisabledFill

popShade.Fill

Home popShade

PowerApps

Leads - Saved (Unpublished)

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Visible = fx true

Tree view

Search

- App
- Home
  - popShade
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
    - icoAdd
    - btnAdd
  - Map
  - Logo
  - UserPhoto
  - grpTextInput

RECTANGLE popShade

Properties Rules Advanced

Search for a property ...

ACTION

OnSelect

false

DATA

AccessibleLabel

...  
RGBA(red\_value, green\_value, blue\_value, alpha\_value )

alpha\_value: The alpha component, 0 to 1 (or a percentage, such as 49%).

RGBA(255, 255, 255, 0.98) fx

DisabledFill

popShade.Fill

Home popShade

PowerApps

Leads - Saved (Unpublished)

Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps Insert View

New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

OnSelect = fx UpdateContext({vPopUp:false})

Tree view Search

- App
- Home
  - grpModal
    - popLabel
    - icoDone
    - btnDone
  - popShade
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
  - Map
  - Logo
  - UserPhoto

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom Left Multiple Right

Color A

Border

Auto disable on select On

Disabled color

Hover color

2 controls selected 40 %

The screenshot displays the Microsoft PowerApps Studio interface. A modal window is open, showing a list of items with icons. One specific item, which appears to be a done button, is highlighted with a green box. The 'OnSelect' formula for this item is visible in the formula bar, also enclosed in a green box. The formula is 'UpdateContext({vPopUp:false})'. The Properties panel on the right side of the screen shows various styling options for the control, such as color, border, and padding, all of which are currently set to 'Multiple' or 'On'.

Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

Visible = fx vPopUp

Tree view Search App Home grpModal popLabel icoDone btnDone popShade grpLink grpDelete grpCheck grpAdd Map Logo UserPhoto

grpModal Properties Rules Advanced Display mode Edit Off Visible Position Multiple Multiple X Y Size Multiple Multiple Width Height Border Multipl Black Tooltip No value Tab index Multiple

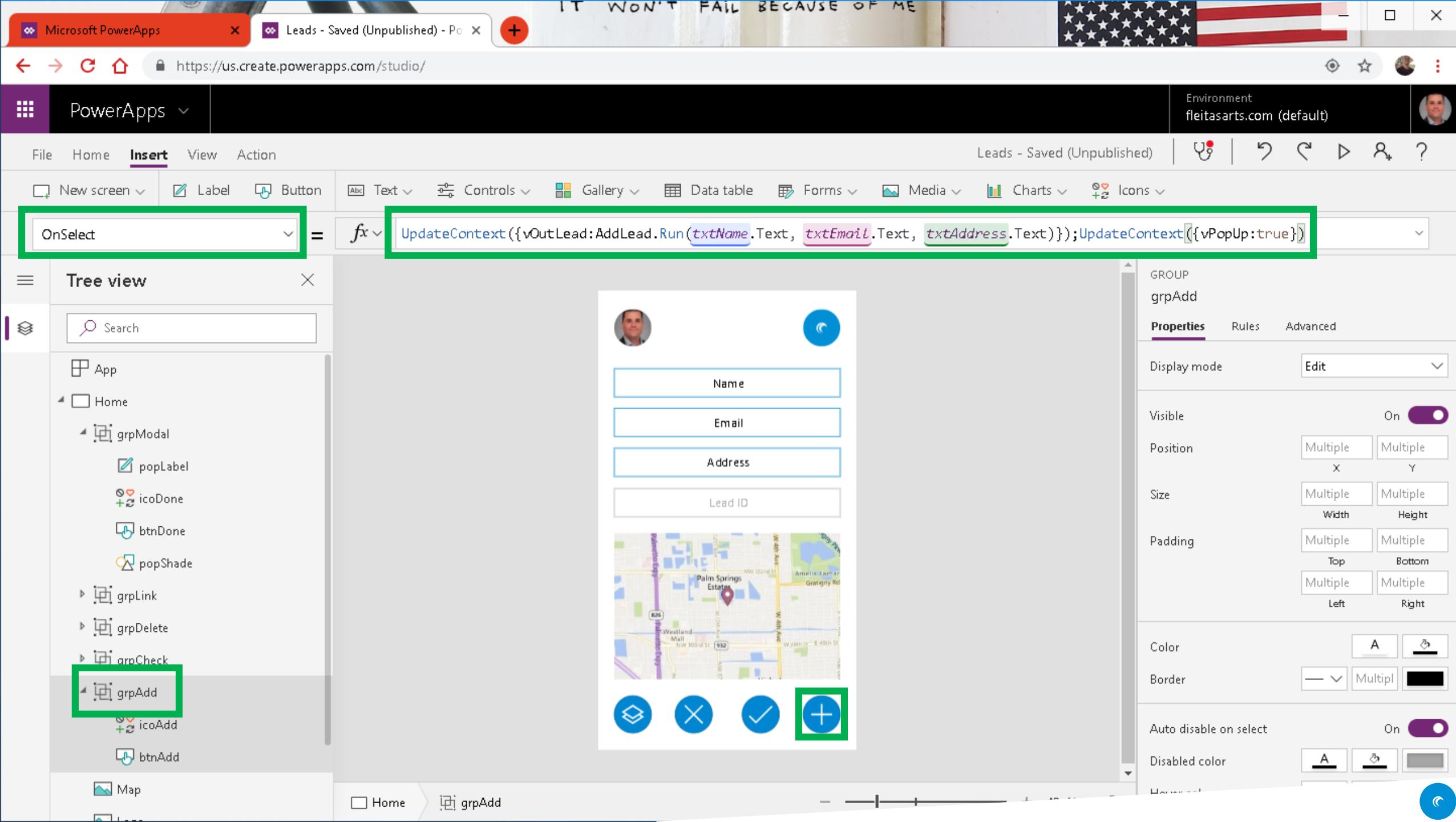
Name Email Address Lead ID

Palm Springs Estates

Map Buttons

Home grpModal

GROUP grpModal Properties Rules Advanced Display mode Edit Off Visible Position Multiple Multiple X Y Size Multiple Multiple Width Height Border Multipl Black Tooltip No value Tab index Multiple



Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action Leads - Saved (Unpublished) ?

New screen Label Button Text Controls Gallery Data table Forms Media Charts Icons

OnSelect = UpdateContext({vOutLead:CheckLead.Run(txtEmail.Text)});UpdateContext({vPopUp:true})

Tree view Search

App Home grpModal popLabel icoDone btnDone popShade grpLink grpDelete grpCheck grpAdd icoAdd btnAdd Map

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom Left Multiple Right

Color A

Border Multipl

Auto disable on select On

Disabled color

grpCheck

Name Email Address Lead ID

Palm Springs Estates

Map

Home grpCheck

GROUP grpCheck Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom Left Multiple Right

Color A

Border Multipl

Auto disable on select On

Disabled color

Microsoft PowerApps Leads - Saving ... - PowerApps IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action Leads

New screen Theme Reorder Align Group

OnSelect = UpdateContext({vOutLead:DeleteLead.Run(txtName.Text, txtEmail.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- App
- Home
  - grpModal
  - grpLink
  - grpDelete
    - icoDelete
    - btnDelete
  - grpCheck
  - grpAdd
  - Map
  - Logo
  - UserPhoto
  - grpTextInput

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom

Left Multiple Right

Color A

Border

Auto disable on select On

Disabled color

grpDelete

Name Email Address Lead ID

Palm Springs Estates

ICO Delete

Map

Home grpDelete

```
OnSelect = UpdateContext({vOutLead:DeleteLead.Run(txtName.Text, txtEmail.Text)});UpdateContext({vPopUp:true})
```

The screenshot shows the Microsoft PowerApps Studio interface. The top navigation bar includes 'File', 'Home' (selected), 'Insert', 'View', 'Action', 'Leads', and various tool icons. The main workspace displays a lead form with fields for Name, Email, Address, and Lead ID, followed by a map and a footer with four buttons. To the left is a tree view of the app's structure, with the 'grpDelete' group highlighted. The properties pane on the right shows settings for the 'grpDelete' group, such as visibility, position, size, padding, color, border, and auto-disable behavior. A green box highlights the 'grpDelete' group in the tree view, and another green box highlights the 'icoDelete' icon in the footer.

Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Leads - Saved (Unpublished)

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads - Saved (Unpublished) New screen Theme Reorder Align Group

OnSelect = UpdateContext({vOutLead:LinkLead.Run(txtLeadID.Text, txtName.Text, txtEmail.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- App
- Home
  - grpModal
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
  - Map
  - Logo
  - UserPhoto
  - grpTextInput

grpLink

Name  
Email  
Address  
Lead ID  
  
Save Cancel Add

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Top Bottom Left Right

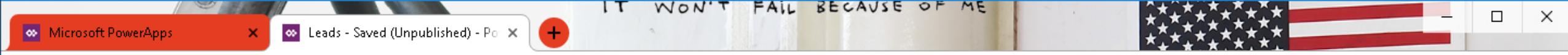
Color A

Border Multipl

Auto disable on select On

Disabled color A

Height



IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished) - Po

PowerApps

Environment  
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Navigation icons: Back, Forward, Home, Refresh, Search, Help.

Action

Fill = fx RGB(255, 255, 255, 1)

Tree view

Search

- App
- Home
  - grpModal
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
  - Map
  - Logo
  - UserPhoto
  - grpTextInput

Data

Looks like you haven't created any flows yet.  
To get started, select 'Create a new flow' below.

Create a new flow

SCREEN

Home

Properties Rules Advanced

Fill

Select an image...

Background image

Image position Fit

Lead ID

Name

Email

Address

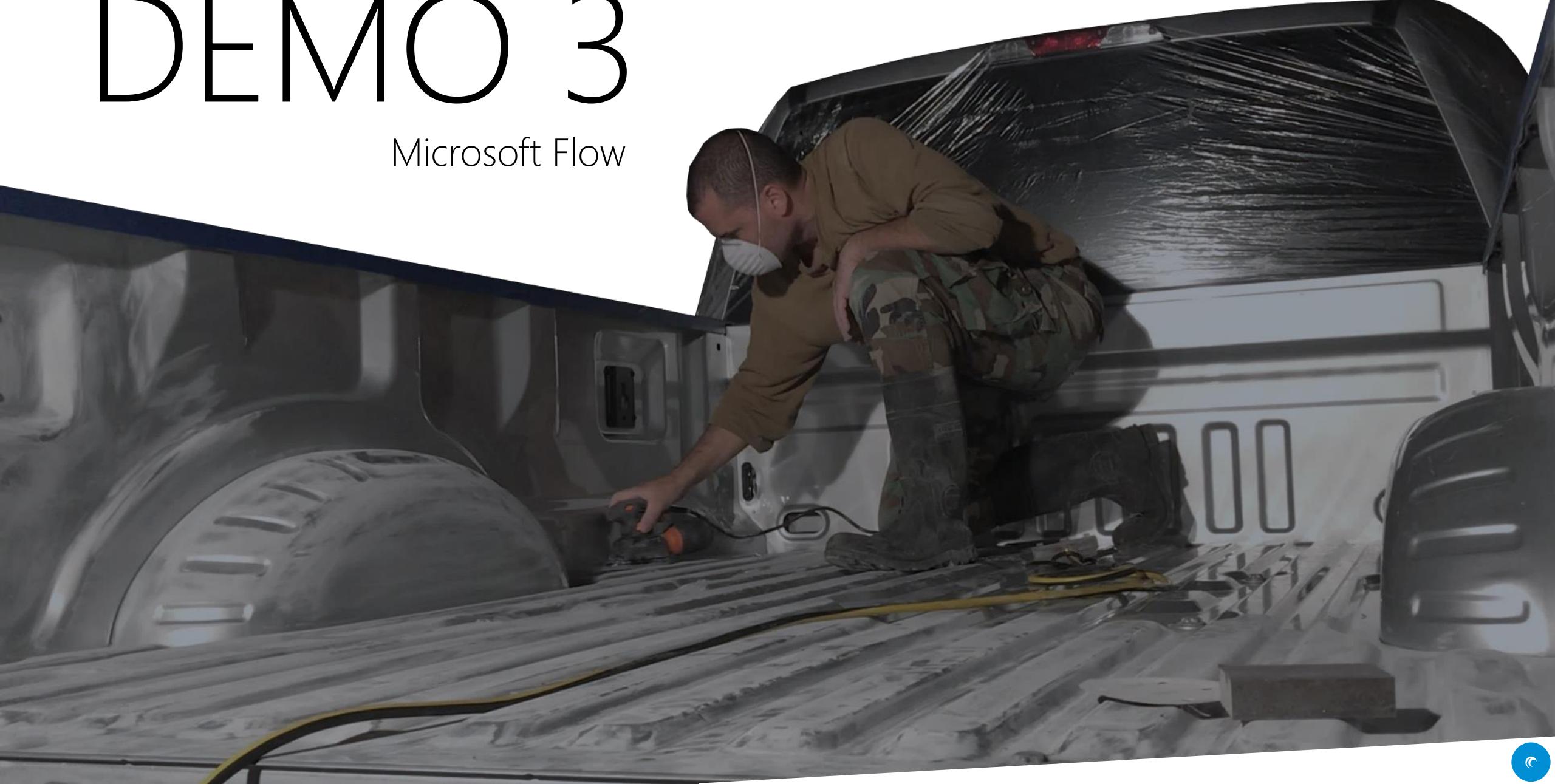
Map showing a location in Palm Springs, California.

Buttons: Save, Cancel, OK, Close.

Home

# DEMO 3

Microsoft Flow



No additional information is needed for this step. You will be able to use the outputs in subsequent steps.

+ New step Save



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Hiram Fleitas fleitasarts.com (default)

Flow

PowerApps button

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Learn

PowerApps

Choose an action

execute stored procedure

All Built-in Standard Premium Custom

Oracle Database SQL Server Azure SQL Data... Azure Cosmos DB Dynamics 365 for Fi... Business Central Ethereum Blockchain

Triggers Actions

Execute stored procedure Oracle Database Execute stored procedure SQL Server Execute stored procedure Azure SQL Data Warehouse Execute stored procedure Azure Cosmos DB

A yellow arrow points from the "Data" menu item on the left to the "Execute stored procedure" action in the list below.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow Hiram Fleitas fleitasarts.com (default)

PowerApps button

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Learn

SQL Server

Gateways

Connect via on-premises data gateway

\* Connection Name  
Enter name for connection

\* SQL server name  
SQL server name

\* SQL database name  
FleitasArts

Authentication Type  
Windows

\* Username  
Username credential

\* Password  
Password credential

\* gateway  
Hiram

Create

A red box highlights the 'SQL Server' configuration dialog.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished)

Create your flow | Microsoft Flow

USA

X

Flow

PowerApps button

Save Flow Checker Test

Hiram Fleitas  
fleitasarts.com (default)

Home

Approvals

My flows

Templates

Connectors

Data

Learn

SQL Server

Gateways

Connect via on-premises data gateway

Connection Name

localhost

SQL server name

localhost

SQL database name

FleitasArts

Authentication Type

Basic

Username

Leads

Password

\*\*\*\*\*

gateway

Hiram

Create

Cancel

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

PowerApps button

Save Flow Checker Test

Hiram Fleitas  
fleitasarts.com (default)

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

\*Procedure name Name of stored procedure

- AddLead
- CheckLead
- DeleteLead
- LinkLead
- Enter custom value

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Hiram Fleitas fleitasarts.com (default)

Flow

PowerApps button

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

\*Procedure name: AddLead

Name:

Email:  Add dynamic content +

Address:

+ New step Save

Dynamic content Expression

Search dynamic content

PowerApps Ask in PowerApps

```
graph TD; Start(( )) --> PowerApps[PowerApps]; PowerApps --> ExecuteStep[Execute stored procedure]; ExecuteStep --> Save[Save]; PowerApps --> DynamicContent[Dynamic content]; DynamicContent --> AskInPowerApps[Ask in PowerApps]
```

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

AddLead

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

\*Procedure name: AddLead

Name: Executestoredprocedure\_Name

Email: Executestoredprocedure\_Email

Address: Executestoredprocedure\_Address

+ New step Save

Hiram Fleitas  
fleitasarts.com (default)

American flag icon

Navigation icons: back, forward, search, etc.

Bottom right corner icon

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

<https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068>

Hiram Fleitas fleitasarts.com (default)

Flow AddLead

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps Execute stored procedure

Initialize variable

\*Name: output  
\*Type: String  
Value: Enter initial value

+ New step Save

Dynamic content Expression

Search dynamic content

Execute stored procedure

ReturnCode

PowerApps See more

Executestoredprocedure\_Address

Executestoredprocedure\_Email

Executestoredprocedure\_Name

```
graph TD; PowerApps[PowerApps] --> Execute[Execute stored procedure]; Execute --> Initialize[Initialize variable];
```

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

IT WON'T FAIL BECAUSE OF ME

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

AddLead

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

Initialize variable

Name: output  
Type: String  
Value: Enter initial value

+ New step Save

body('Execute\_stored\_procedure')?['resultsets']

DYNAMIC CONTENT EXPRESSION

fx body('Execute\_stored\_procedure')?['resultsets']

OK

String functions

concat(text\_1, text\_2, ...)

Combines any number of strings together

Collection

contains(collection, value)

Returns true if a dictionary contains a key, if an array cont...

length(collection)

Returns the number of elements in an array or string

Logical functions

if(expression, valueIfTrue, valueIfFalse)

Returns a specified value based on whether the expressio...

```
graph TD; PowerApps[PowerApps] --> Execute[Execute stored procedure]; Execute --> Initialize[Initialize variable]; Initialize --> Expression[body('Execute_stored_procedure')?['resultsets']]
```

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

AddLead

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

Initialize variable

Name: output  
Type: String  
Value: fx body(...)

Rename Add a comment Settings Configure run after Peek code Delete

+ New step Save

```
graph TD; A[PowerApps] --> B[Execute stored procedure]; B --> C{Initialize variable};
```

Microsoft PowerApps Leads - Saved (Unpublished) Create your flow | Microsoft Flow

IT WON'T FAIL BECAUSE OF ME

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

AddLead

Save Flow Checker Test

Hiram Fleitas fleitasarts.com (default)

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

'Initialize variable' (code view)

```
1 {  
2   "inputs": {  
3     "variables": [  
4       {"name": "output",  
5        "type": "String",  
6        "value": "@{body('Execute_stored_procedure')?['resultsets']}"}  
7     ]  
8   }  
9 }  
10 }  
11 }
```

Done

+ New step Save

The screenshot shows a Microsoft Flow editor with a sidebar on the left containing links like Home, Approvals, My flows, Templates, Connectors, Data (Entities, Connections, Custom connectors, Gateways), and Learn. The main area displays a flow with three steps: 'PowerApps', 'Execute stored procedure', and an 'Initialize variable' step. The 'Initialize variable' step is expanded to show its code in 'code view'. The code defines a variable 'output' as a String type with a value from the 'Execute\_stored\_procedure' step's resultsets. A green box highlights the line of code that retrieves the resultsets from the previous step. A 'Done' button is at the bottom of the code view modal.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Edit your flow | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8cbb465005d6068

Flow

AddLead • Saved

Home Approvals My flows Templates Connectors Data Entities Connections Custom connectors Gateways Learn

PowerApps

Execute stored procedure

{x} Initialize variable

Respond to PowerApps

result {x} output x

+ Add an output

+ New step Save

Save Flow Checker Test

Hiram Fleitas  
fleitasarts.com (default)

```
graph TD; A[PowerApps] --> B[Execute stored procedure]; B --> C[Initialize variable]; C --> D[Respond to PowerApps];
```



Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Leads - Saved (Unpublished)

PowerApps Environment fleitasarts.com (default)

Action

File Home Insert View Action

On select = fx UpdateContext({vOutLead:AddLead.Run(txtName.Text, txtEmail.Text, txtAddress.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- Home
- grpModal
  - popLabel
  - icoDone
  - btnDone
  - popShade
- grpLink
- grpDelete
- grpCheck
- grpAdd
  - icoAdd
  - btnAdd
- Map
- Logo

Name

Email

Address

Lead ID

Palm Springs Estates

AddLead

Create a new flow

Data

Flows associated with 'grpAdd'

No flows have been selected.

Properties Rules Advanced

Display mode Edit

Visible On

Position  X  Y

Size  Width  Height

Padding  Top  Bottom  Left  Right

Color

Border

Auto disable on select On

Disabled color

GROUP grpAdd

Properties Rules Advanced

Display mode Edit

Visible On

Position  X  Y

Size  Width  Height

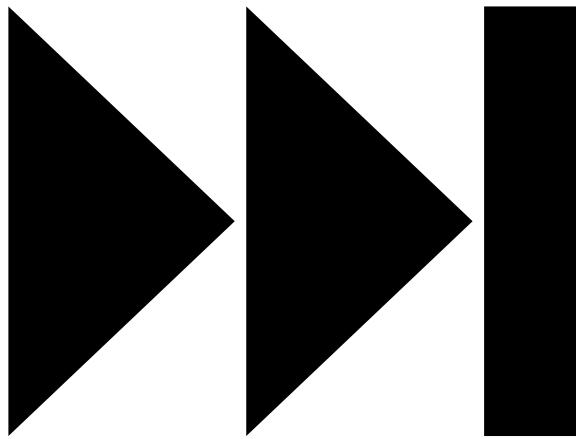
Padding  Top  Bottom  Left  Right

Color

Border

Auto disable on select On

Disabled color



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Po + https://us.create.powerapps.com/studio/ PowerApps Environment fleitasarts.com (default)

Action

File Home Insert View Action

On select Flows

OnSelect = fx UpdateContext({vOutLead:AddLead.Run(txtName.Text, txtEmail.Text, txtAddress.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- Home
- grpModal
  - popLabel
  - icoDone
  - btnDone
  - popShade
- grpLink
- grpDelete
- grpCheck
- grpAdd
  - icoAdd
  - btnAdd
- Map
- Logo

Name

Email

Address

Lead ID

Amelia Earhart Park  
Gratifying Role 65th St

WW 122nd St W 4th Ave W 4th St E 49th St N 122nd St Hialeah Estates

Create a new flow

Data

Flows associated with 'grpAdd'

No flows have been selected.

Flows

- AddLead
- CheckLead
- DeleteLead
- LinkLead

GROUP grpAdd

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom

Left Multiple Right

Color A

Border Multipl

Auto disable on select On

Disabled color A

Buttons

Home grpAdd

Leads - Saved (Unpublished)

?

Navigation icons: back, forward, search, refresh, etc.

American flag icon in the top right corner.

Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Leads - Saved (Unpublished)

PowerApps Environment fleitasarts.com (default)

Action

File Home Insert View Action

On select Flows

OnSelect = fx UpdateContext({vOutLead:LinkLead.Run(txtLeadID.Text, txtName.Text, txtEmail.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- App
- Home
  - grpModal
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
- Map
- Logo
- UserPhoto
- grpTextInput

Name Email Address Lead ID

Palm Springs Estates, CA

AddLead CheckLead DeleteLead LinkLead

Complete flow's parameters in formula bar

Create a new flow

GROUP grpLink Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Multiple Top Multiple Bottom

Left Multiple Right

Color A

Border Multipl

Auto disable on select On

Disabled color A

IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished)

Home grpLink

+

Microsoft PowerApps Leads - Saved (Unpublished) - Po + IT WON'T FAIL BECAUSE OF ME

https://us.create.powerapps.com/studio/ Environment fleitasarts.com (default)

PowerApps

File Home Insert View Action

New screen Theme Open Sans

OnSelect = UpdateContext({vOutLead: AddLead.Run(txtName.Text, txtEmail.Text, txtAddress.Text)});UpdateContext({vPopUp:true})

Tree view

Search

- App
- Home
  - grpModal
    - popLabel
    - icoDone
    - btnDone
    - popShade
  - grpLink
  - grpDelete
  - grpCheck
  - grpAdd
    - Map
    - Logo
    - UserPhoto

vOutLead

Name Email Address Lead ID

Map showing a location in Palm Springs, California.

grpAdd Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Padding Top Bottom Left Right

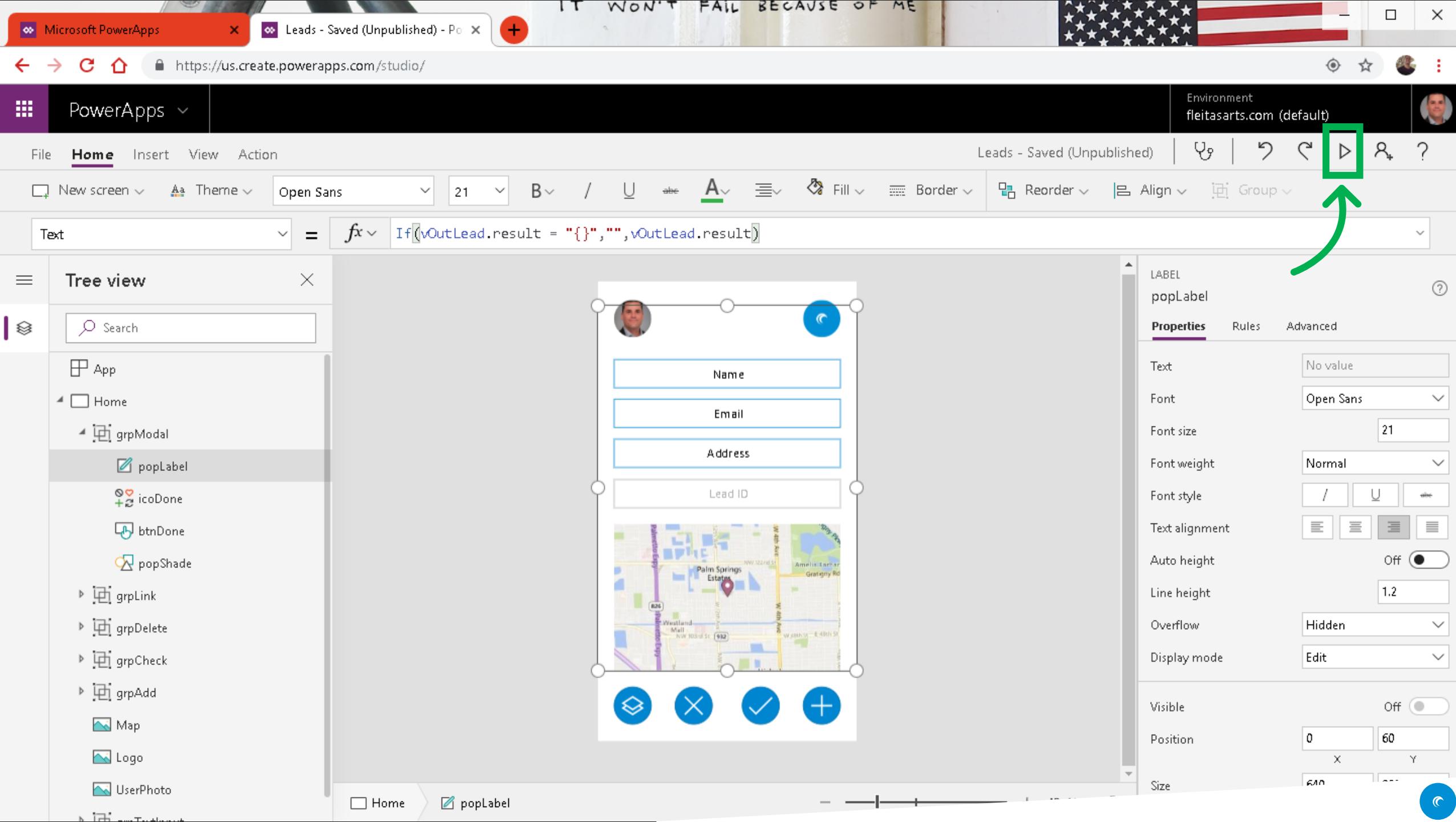
Color A

Border Multipl

Auto disable on select On

Disabled color A

Home grpAdd





https://us.create.powerapps.com/studio/





A green arrow points from the bottom right towards the checkmark icon.





IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Manage your flows | Microsoft Flow +

https://us.create.powerapps.com/studio/

Name  
dmoney@icloud.com  
Address  
Lead ID

{"Table1": [{"TicketId": 2001, "LeadId": 1001}]} 



https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68

Flow

CheckLead

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Learn

```
graph TD; A[PowerApps] --> B[Execute stored procedure]; B --> C[Initialize variable]; C --> D[Respond to PowerApps]
```

+ New step Save



Flow

CheckLead

```
graph TD; Start[PowerApps] --> SQL[Execute stored procedure]; SQL --> Var[Initialize variable]; Var --> Respond[Respond to PowerApps]
```

+ New step Save

Test Flow

I'll perform the trigger action

Using data from previous runs  
Choose data from a list of previous runs:

<input checked="" type="radio"/> Succeeded	8 hours ago
<input type="radio"/> Succeeded	8 hours ago
<input type="radio"/> Succeeded	9 hours ago

Save & Test Cancel



https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68

Flow

CheckLead

Your flow ran successfully.

PowerApps

Execute stored procedure

Initialize variable

Respond to PowerApps

Edit

Home

Approvals

My flows

Templates

Connectors

Data

Learn

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Run History | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68

Hiram Fleitas fleitasarts.com (default)

Flow

CheckLead

Your flow ran successfully.

PowerApps

0s

INPUTS

Schema

```
{ "type": "object", "required": [ "Executestoredprocedure_Email" ], "properties": { "Executestoredprocedure_Email": { "type": "string", "value": "dmoney@icloud.com" } } }
```

OUTPUTS

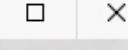
Executestoredprocedure\_Email

dmoney@icloud.com

Show more ▾

SQL Execute stored procedure

Execute stored procedure



https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68

Flow

CheckLead

Your flow ran successfully.

amoney@icloud.com

Headers

Key	Value
Cache-Control	no-store, no-cache
Accept	/*
Accept-Encoding	br,gzip,deflate
Accept-Language	en-US

Show less ^

Execute stored procedure

1s

Initialize variable

0s

Respond to PowerApps

0s

```
graph TD; A[Headers] --> B[Execute stored procedure]; B --> C[Initialize variable]; C --> D[Respond to PowerApps]
```

[CheckLead](#)[Edit](#)[Home](#)[Approvals](#)[My flows](#)[Templates](#)[Connectors](#)[Data](#)[Learn](#)

SQL Execute stored procedure 1s

**INPUTS**

Procedure name: [dbo].[CheckLead]

parameters:

```
{  
  "Email": "dmoney@icloud.com"  
}
```

Email: dmoney@icloud.com

**OUTPUTS**

Body:

```
{  
  "OutputParameters": {},  
  "ResultSets": {  
    "Table1": [  
      {  
        "TicketId": 2001,  
        "LeadId": 1001  
      }  
    ]  
  }  
}
```



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) Run History | Microsoft Flow

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68

Hiram Fleitas fleitasarts.com (default)

Flow

CheckLead

Edit

Home Approvals My flows Templates Connectors Data Learn

{x} Initialize variable

INPUTS

Name: output  
Type: String  
Value: {"Table 1": [{"TicketId": 2001, "LeadId": 1001}]} 0s

Respond to PowerApps

① **ActionResponseSkipped.** The execution of template action 'Respond\_to\_PowerApps' is skipped: the client application is not waiting for a response from service. 0s

```
graph TD; A[Initialize variable] --> B[Respond to PowerApps];
```



← → ⌂ ⌂ <https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/27af8f7b-9ef7-42b4-95ae-3b3ec5fc5d68/runs?backUrl=%2Fflows%2F27af8...> ⌂ ⌂ ?

## Flow

Edit flow Get .csv file All runs ⓘ

Home

### CheckLead > Run history

Approvals

My flows

	Start time	Duration	Status
	May 5, 12:33 PM (31 min ago)	00:00:01	Succeeded

Templates

	May 5, 12:31 PM (33 min ago)	00:00:01	Test succeeded
--	------------------------------	----------	----------------

Connectors

	May 5, 3:32 AM (9 h ago)	00:00:00	Succeeded
--	--------------------------	----------	-----------

Data

	May 5, 3:32 AM (9 h ago)	00:00:01	Succeeded
--	--------------------------	----------	-----------

Learn

	May 5, 3:32 AM (9 h ago)	00:00:01	Succeeded
--	--------------------------	----------	-----------



IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished) - Po View your flow analytics | Microsoft

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

Flow

+ New ▾ Run now Edit Share Save As ...

Home Approvals My flows Team flows Business process flows

Flows

Name Modified Type

Name	Modified	Type
CheckLead	34 min ago	Instant
DeleteLead		Instant
LinkLead		Instant
AddLead		Instant
Get a push notification when you receive an email fro...		Automated

⋮

⋮

Run now Edit Share Save As Send a copy (Preview) Export Run history Analytics Turn flow off Delete Details

Hiram Fleitas  
fleitasarts.com (default)

Search

☰

Home Approvals My flows Team flows Business process flows

Flows

Name Modified Type

Name	Modified	Type
CheckLead	34 min ago	Instant
DeleteLead		Instant
LinkLead		Instant
AddLead		Instant
Get a push notification when you receive an email fro...		Automated

⋮

⋮

Run now Edit Share Save As Send a copy (Preview) Export Run history Analytics Turn flow off Delete Details

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fleitasarts.com (default)

Search

☰



Home



Approvals



My flows



Templates



Connectors



Data



Learn

Usage   Errors

Select range

Last 30 days

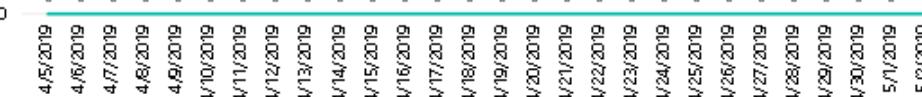


## Total runs by day

1.0

0.5

0.0



## Number of runs

1

Flow Runs

Successful Runs 1 (100%)

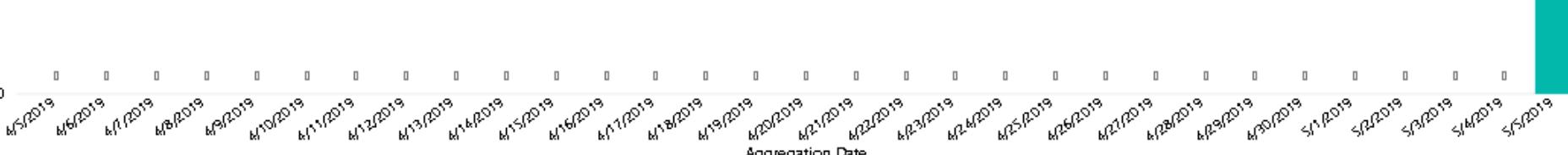
## Flow runs trend

Successful Runs

1.0

0.5

0.0



# DEMO 4

Data Gateway



Good afternoon, Hiram

Welcome to your Power BI home

Everything you need in one place: Your top visuals are displayed for easy consumption. Your favorites, frequents, and recents are close at hand. And you can explore learning opportunities to improve your Power BI experience.

Watch video Dismiss

VanArsdel

VanArsdel Market Share  
47.48%

% Growth BY MANUFACTURER

Manufacturer	% Growth
Curus	12%
VanArsdel	10%
Pirum	8%
Aliqui	7%
Natura	6%

Revenue BY YEAR, MANUFACTURER

Manuf... Aliqui Currus Natura

\$0.2bn \$0.1bn \$0.0bn

2012 2014 2016 Year

Power BI Desktop Data Gateway Paginated Report Builder Power BI for Mobile Power BI publisher for Excel Analyze in Excel updates

The screenshot shows the Power BI desktop interface with a dark theme. On the left, a sidebar lists navigation options like Home, Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace. The main area displays three visualizations: a large text card showing 'VanArsdel Market Share' at 47.48%, a bar chart of '% Growth BY MANUFACTURER' for Curus, VanArsdel, Pirum, Aliqui, and Natura, and a line chart of 'Revenue BY YEAR, MANUFACTURER' from 2012 to 2016 for Aliqui, Currus, and Natura. A dropdown menu on the right is open, with 'Data Gateway' highlighted by a green box. The top of the screen features a header with tabs for 'Sign in to your account', 'Leads - Saved (Unpublished)', 'Power BI', and a '+' button, along with a small American flag icon.



Power BI

Products

Pricing

Solutions

Partners

Learn

Community

Sign in

Sign up free

# Keep your dashboards and reports up-to-date with your on-premises data sources



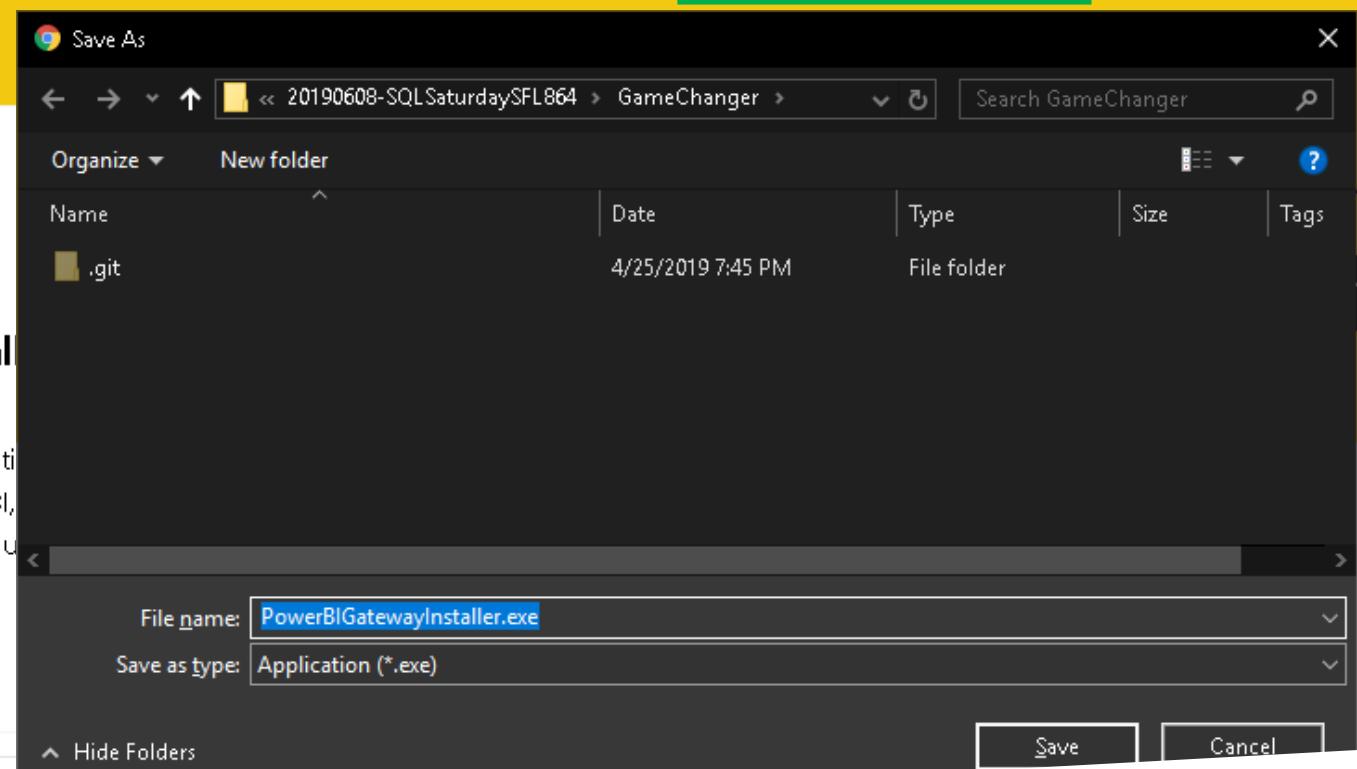
## One gateway for all services

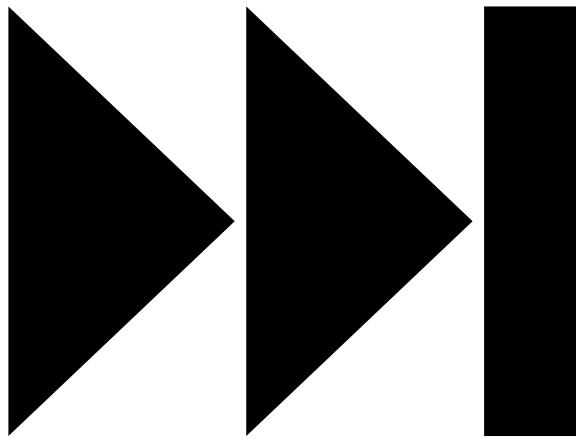
Install once and deploy multiple connections across Power BI, Flow and Azure Logic Apps using one gateway.

With the on-premises gateways, you can keep your data fresh by connecting to your on-premises data sources without the need to move the data. Query large datasets and benefit from your existing investments. The gateways provide the flexibility you need to meet individual needs, and the needs of your organization.

[DOWNLOAD GATEWAY](#)

[LEARN MORE >](#)



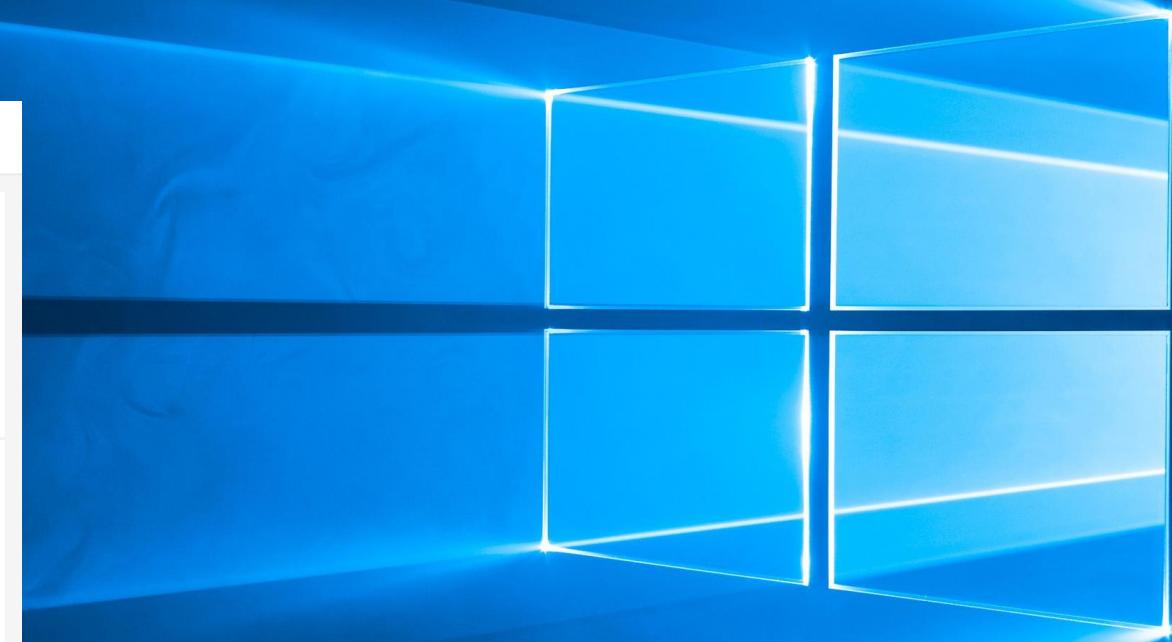
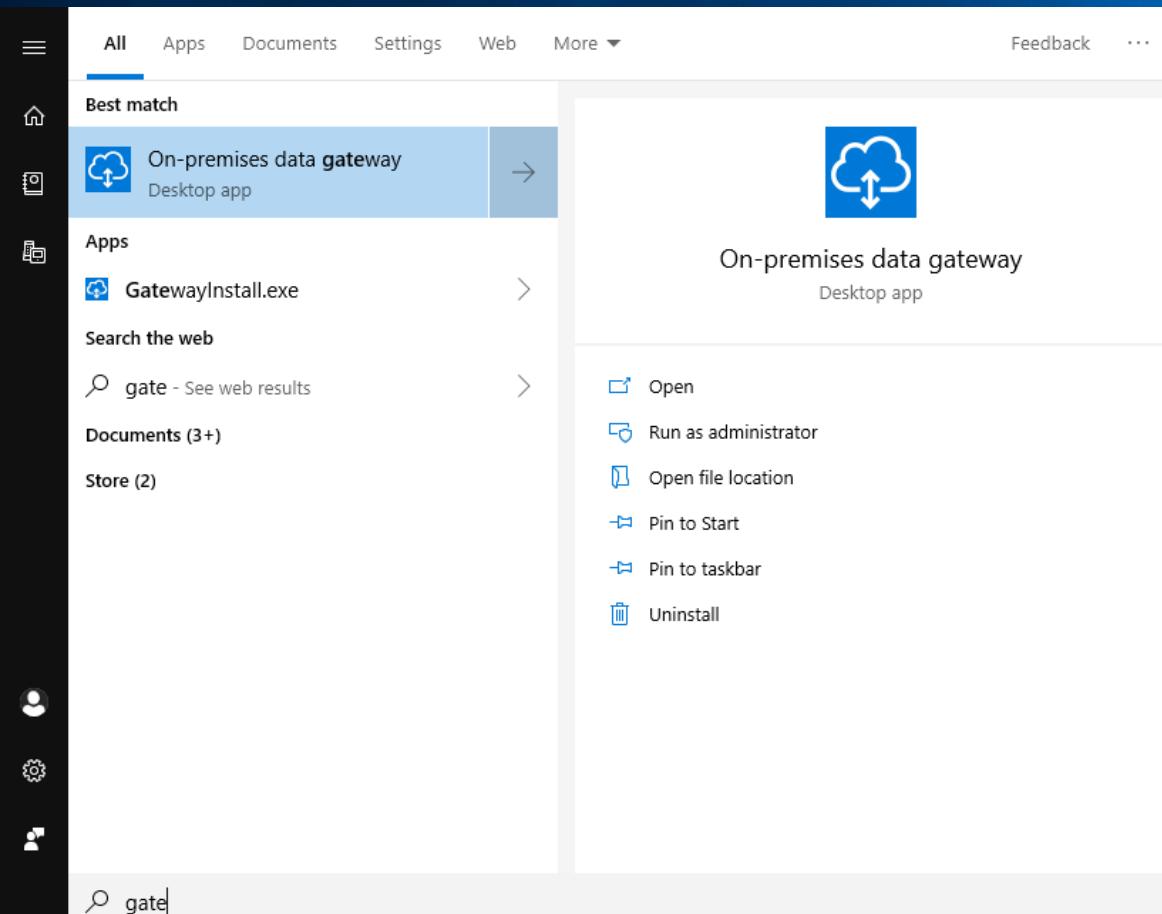




Power BI  
Desktop



On-premises  
data gateway





Power BI  
Desktop



On-premises  
data gateway

## On-premises data gateway

### Status

Service Settings

Diagnostics

Network

Connectors

Your gateway is all set up.

Sign in for more information on your gateway.

Gateway version number: 3000.3.138 (2019-04-09)

Help us improve the on-premises data gateway by sending usage information to Microsoft.

[Read the privacy statement online](#)

Sign in

Close

## On-premises data gateway

Email address to use with this gateway:

hiram@fleitasarts.com



← hiram@fleitasarts.com

## Enter password

\*\*\*\*\*

[Forgot my password](#)

Sign in

Next

Cancel

Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

The gateway Hiram is online and ready to be used.

Gateway version number: 3000.3.138 (2019-04-09)

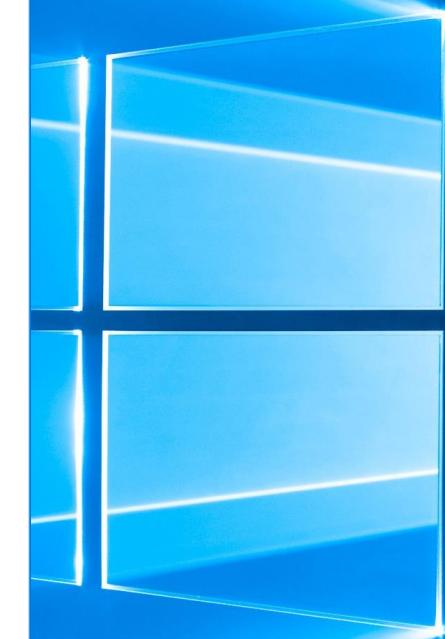
Help us improve the on-premises data gateway by sending usage information to Microsoft.  
[Read the privacy statement online](#)

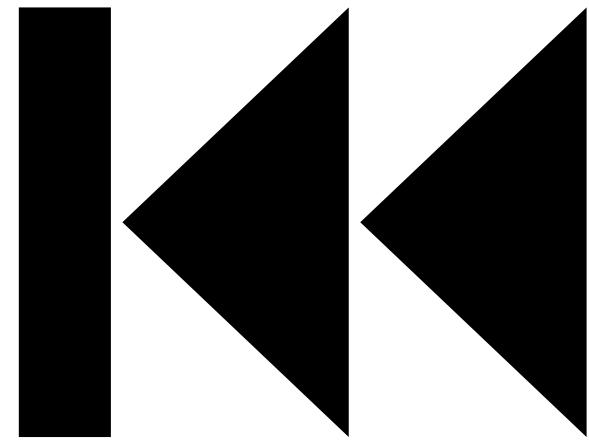
**Logic Apps, Azure Analysis Services** [Create a gateway in Azure](#)  
East US 2

**PowerApps, Microsoft Flow** Ready  
Default environment

**Power BI** Ready  
Default environment

[Close](#)



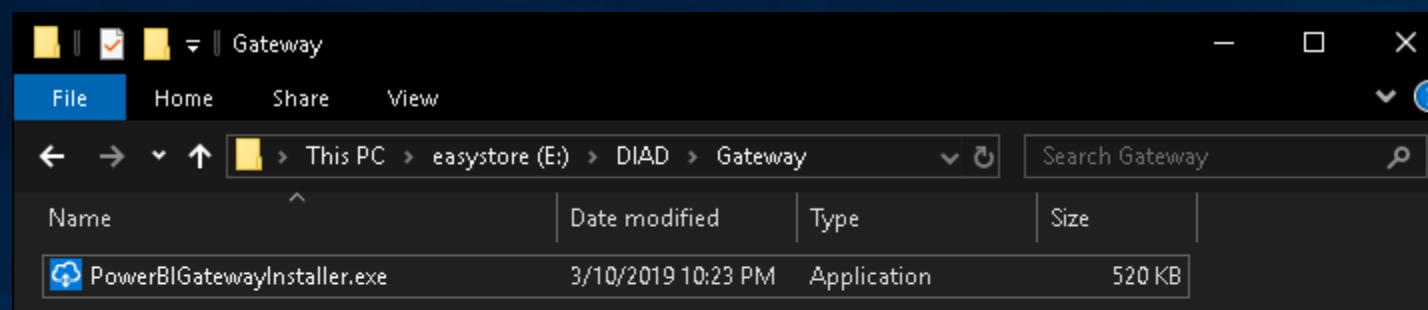




Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installer

Start your on-premises data gateway installation.

A gateway acts as a bridge between on-premises data (not in the cloud), and Power BI, PowerApps, Logic Apps, and Microsoft Flow.

Gateways should be installed on a computer that is always on.

Performance may be slower on a wireless network.

[Learn more](#)

Next

Cancel



Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installer

x

Start your on-premises data gateway installation.

A gateway acts as a bridge between on-premises data (not in the cloud), and Power BI, PowerApps, Logic Apps, and Microsoft Flow.

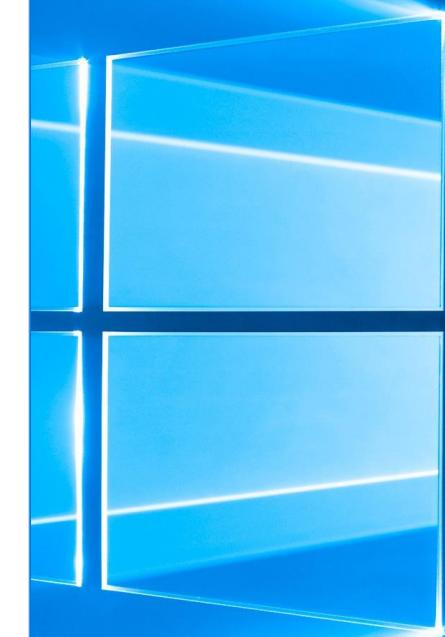
Gateways should be installed on a computer that is always on.

Performance may be slower on a wireless network.

[Learn more](#)

Next

Cancel





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installer

x

Choose the type of gateway you need.

On-premises data gateway (recommended)

- Can be shared and reused by multiple users
- Can be used by Power BI, PowerApps, Logic Apps, and Microsoft Flow
- Supports schedule refresh and live query for Power BI

[Learn more](#)

On-premises data gateway (personal mode)

- Can only be used by you
- Can only be used in Power BI
- Only schedule refresh is supported

[Learn more](#)

Next

Cancel





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installer

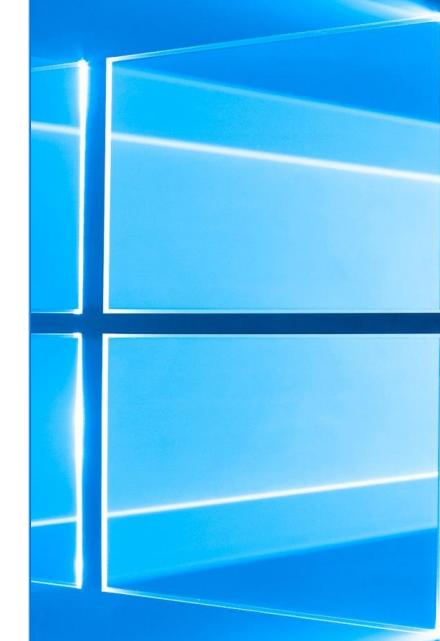
x

Getting ready to install the on-premises data gateway.

Time remaining 2 seconds

Next

Cancel





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installation

? x

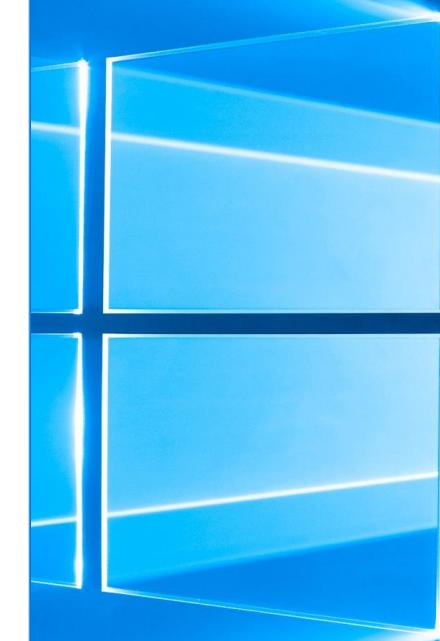
### Reminder before you install.

**⚠** Make sure to install the gateway on a computer that is always on.

The gateway will perform slowly over a wireless network.

Next

Cancel

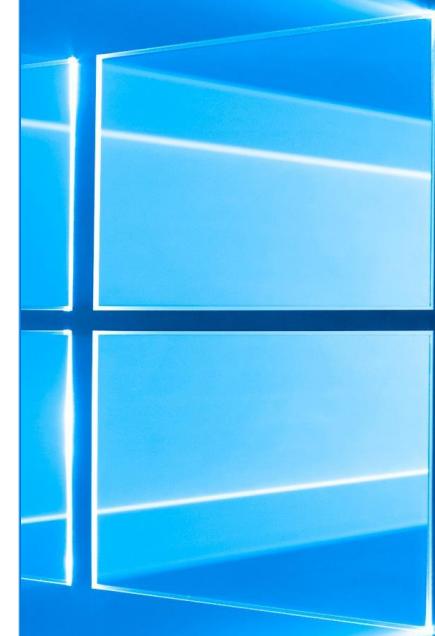
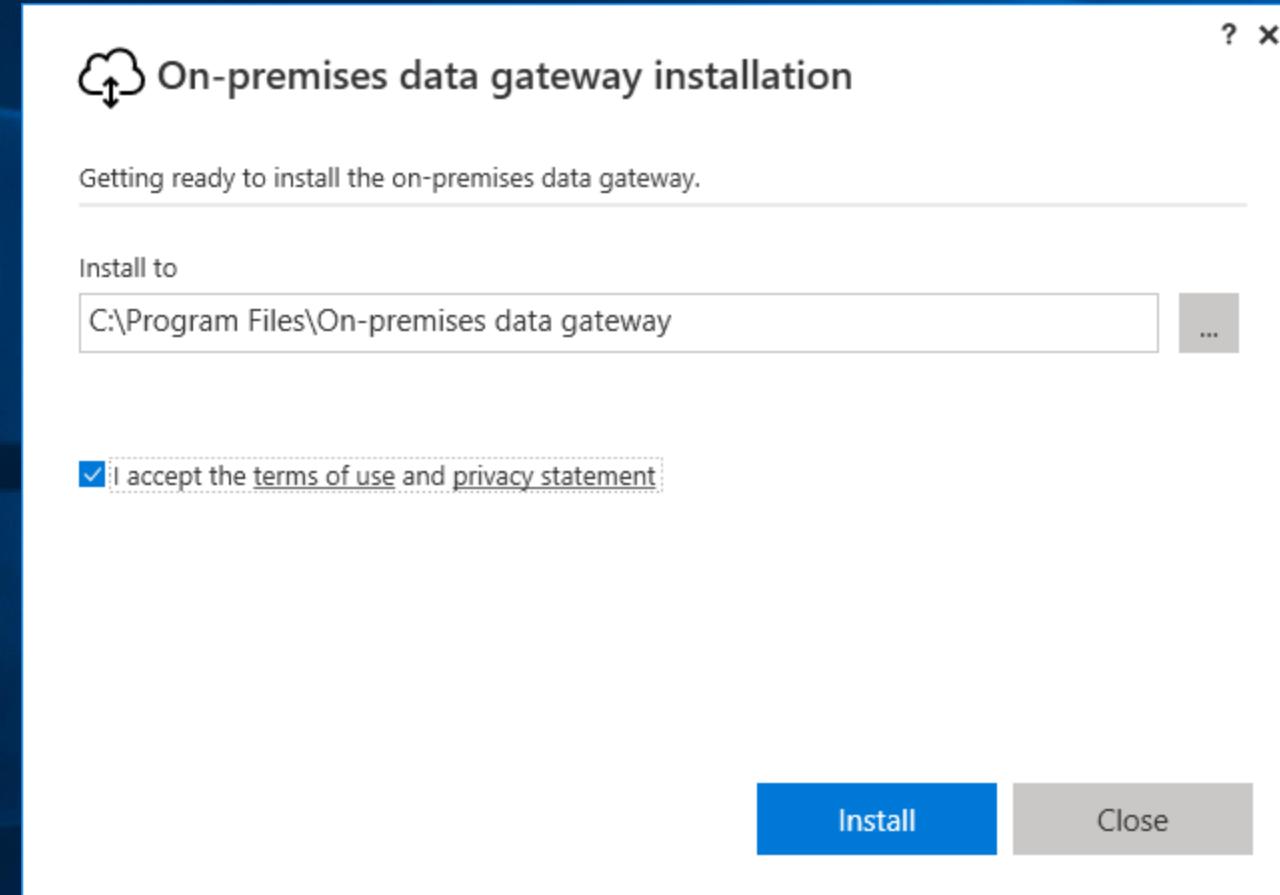




Power BI  
Desktop



On-premises  
data gateway

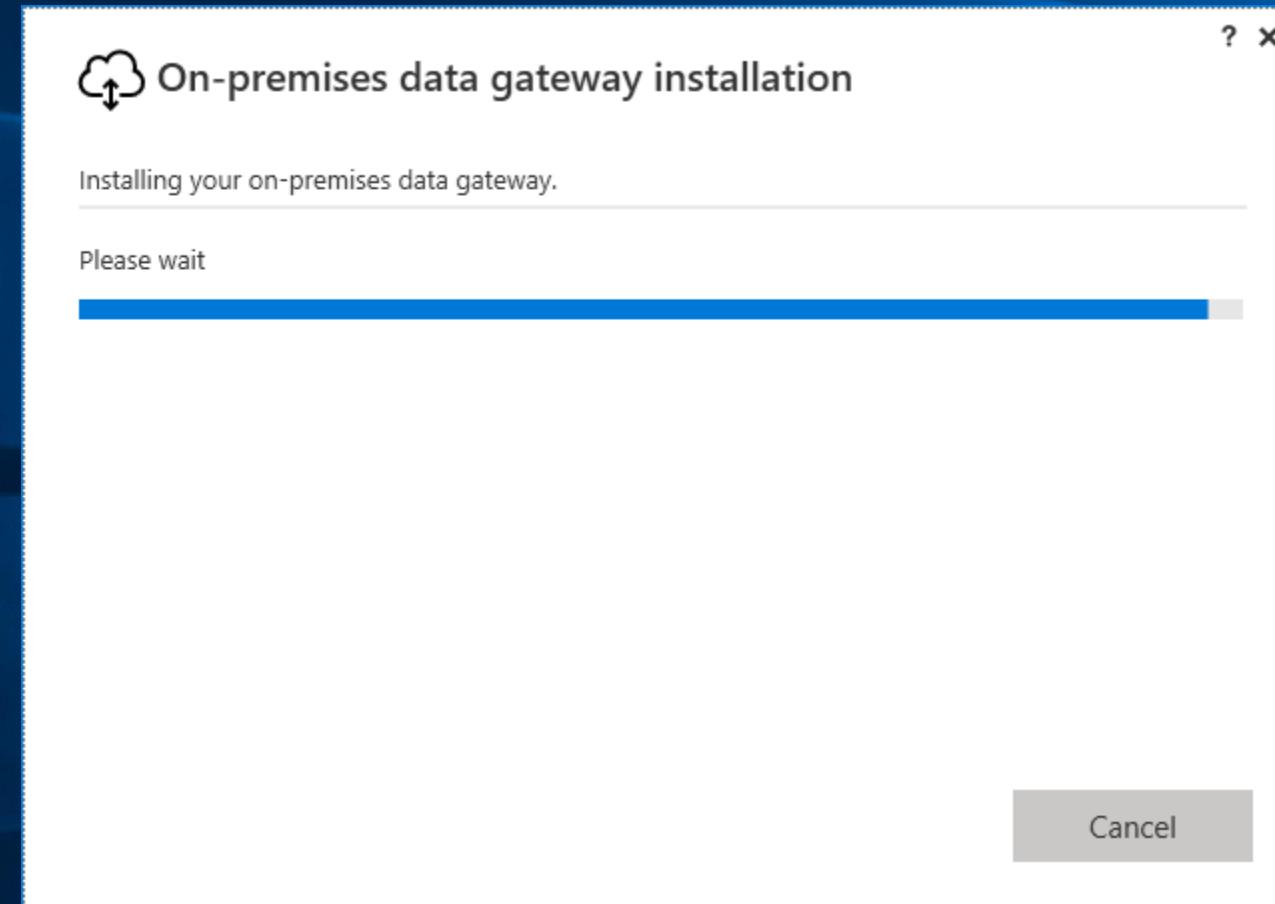




Power BI  
Desktop



On-premises  
data gateway





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway

? X

Almost done.

Installation was successful!

Email address to use with this gateway:

hiram@fleitasarts.com

Next, you need to sign in to register your gateway.

Sign in

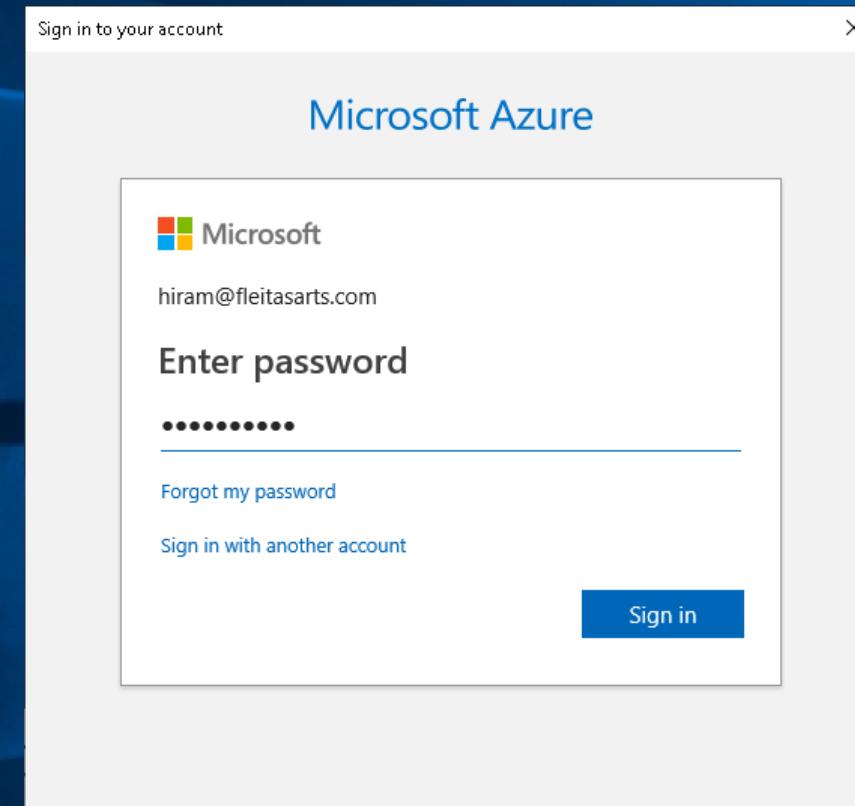
Cancel



Power BI  
Desktop



On-premises  
data gateway





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway

You are signed in as hiram@fleitasarts.com and are ready to register the gateway.

New on-premises data gateway name

Hiram

Add to an existing gateway cluster

Recovery key (8 character minimum)

\*\*\*\*\*

(i) This key is needed to restore the gateway and can't be changed. Record it in a safe place.

Confirm recovery key

\*\*\*\*\*

[Learn more about gateway clusters](#)

We'll use this region to connect the gateway to cloud services: East US 2 [Change Region](#)

Configure

Cancel

Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

The gateway Hiram is online and ready to be used.

Gateway version number: 3000.1.257 (February 2019)

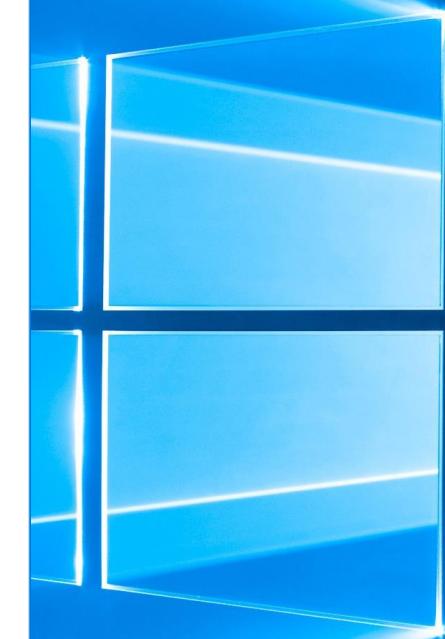
Help us improve the on-premises data gateway by sending usage information to Microsoft.  
[Read the privacy statement online](#)

**Logic Apps, Azure Analysis Services** [Create a gateway in Azure](#)  
East US 2

**PowerApps, Microsoft Flow** Ready  
Default environment

**Power BI** Ready  
Default environment

[Close](#)



Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

? X

Status

Service Settings

Diagnostics

Network

Connectors

### Restart the gateway

It is recommended to restart the gateway everytime you make changes to the gateway configuration files.

[Restart now](#)

### Gateway service account

Change the service account your gateway is running as. The gateway is currently running as NT SERVICE\PBIEgwService.

You need to be signed in to change service account.

Sign in

Close



Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

[?](#)[X](#)[Status](#)[Service Settings](#)[Diagnostics](#)[Network](#)[Connectors](#)

### Additional logging

You can enable additional logging to output queries and their timings to help understand what is performing slow. It is not recommended to leave this setting enabled long term.

[Learn more](#)

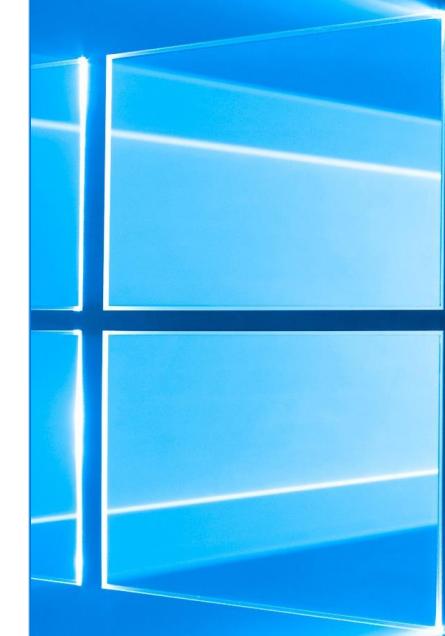
### Gateway logs

Export all of the gateway's configuration and service logs to a single .zip file.

[Sign in](#)

### Network ports test

Check to see if your gateway can access all of the correct network ports.

[Learn more](#)[Sign in to start a test.](#)[Sign in](#)[Close](#)

Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

? X

Status

Network status: Connected

Service Settings

Check to see if your gateway can reach outside your network.

[Check now](#)



Network

HTTPS mode

Connectors

You can force the gateway to communicate through Azure Service Bus using HTTPS instead of direct TCP. This may slow performance.

[Learn more](#)

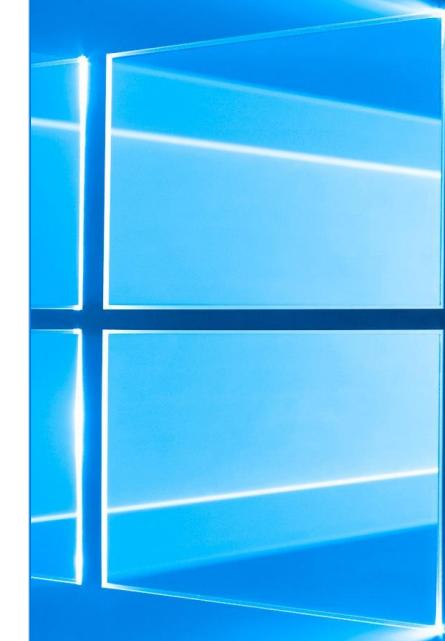


We need to restart the gateway in order to apply this change. Are you sure you want to continue?

[Apply & Restart](#)

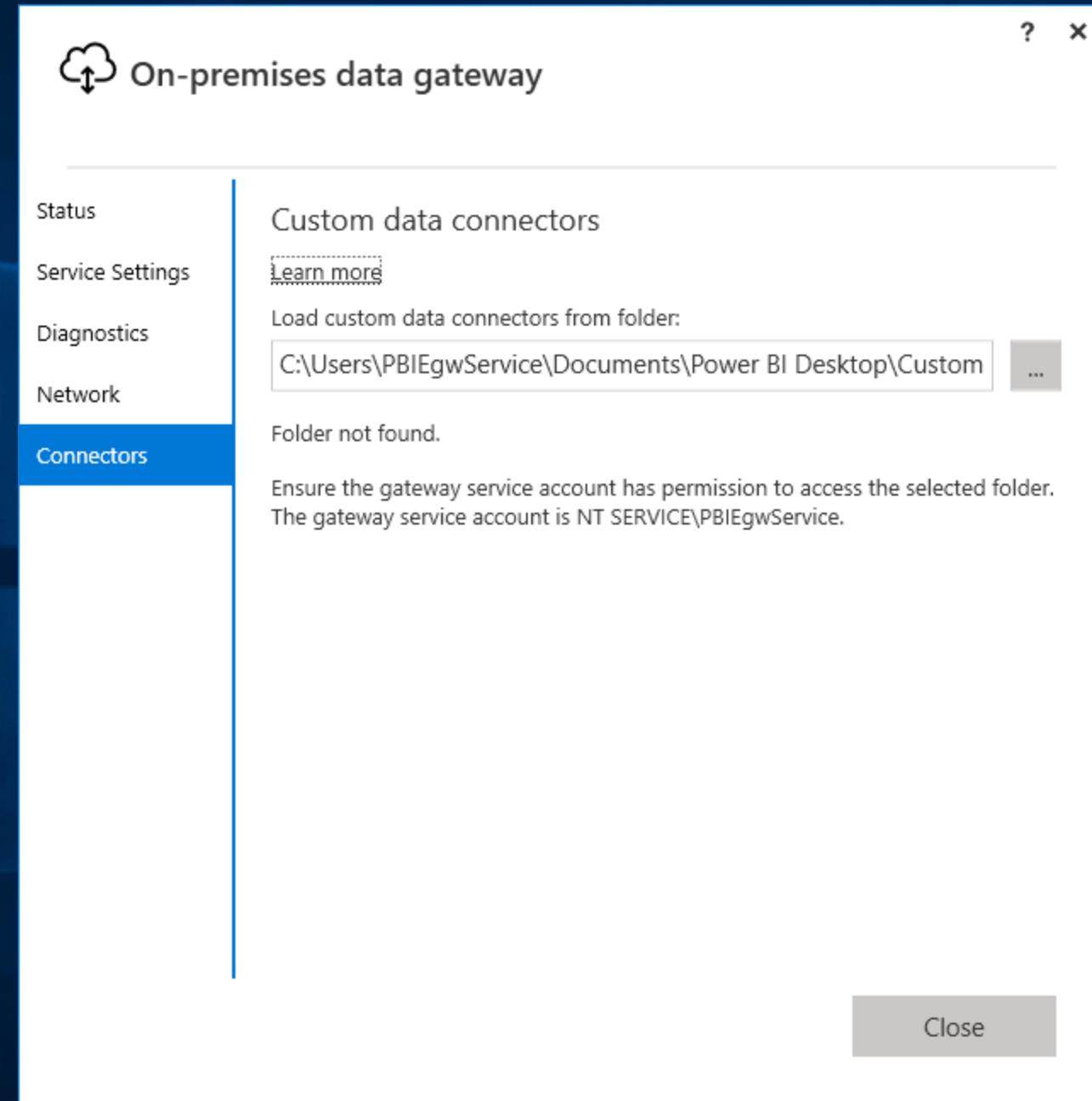
Cancel

Close



Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

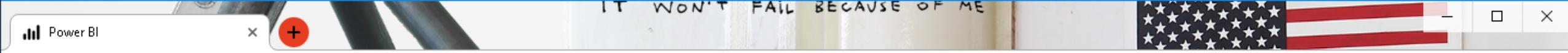


The screenshot shows the 'On-premises data gateway' configuration window in Power BI Desktop. The left sidebar has tabs: Status, Service Settings, Diagnostics, Network, and Connectors, with 'Connectors' selected. The main area is titled 'Custom data connectors' with a 'Learn more' link. It shows the path 'C:\Users\PBIEgwService\Documents\Power BI Desktop\Custom' and a '...' button. A message below says 'Folder not found.' and provides instructions: 'Ensure the gateway service account has permission to access the selected folder. The gateway service account is NT SERVICE\PBIEgwService.' At the bottom right is a 'Close' button.

# DEMO 5

Cortana





## Power BI Settings

General Dashboards Datasets Workbooks Alerts Subscriptions

### Settings for DIAD Final Report

[Refresh history](#)

► Gateway connection

► Data source credentials

► Parameters

► Scheduled refresh

▲ Q&A and Cortana

Allow Cortana to access this dataset

Cortana will only share this information with Power BI users who have access to it.

Apply

Discard

► Featured Q&A questions

Get Data

IT WON'T FAIL BECAUSE OF ME



Power BI

https://app.powerbi.com/admin-portal/tenantSettings

Power BI Admin portal

Home Favorites Recent Apps Shared with me Workspaces My Workspace Get Data

## Admin portal

Usage metrics

Users

Audit logs

Tenant settings

Capacity settings

Embed Codes

Organization visuals

Dataflow settings

Workspaces

### Integration settings

Ask questions about data using Cortana

*Enabled for the entire organization*

Users in the organization can ask questions about their data using Cortana.

Enabled

Apply

Cancel

ⓘ This setting applies to the entire organization

► Use Analyze in Excel with on-premises datasets

*Enabled for the entire organization*

► Use ArcGIS Maps for Power BI

*Enabled for the entire organization*

► Use global search for Power BI (Preview)

*Enabled for the entire organization*

Custom visual settings

← → ⌂ ⌂ https://app.powerbi.com/cortana/test

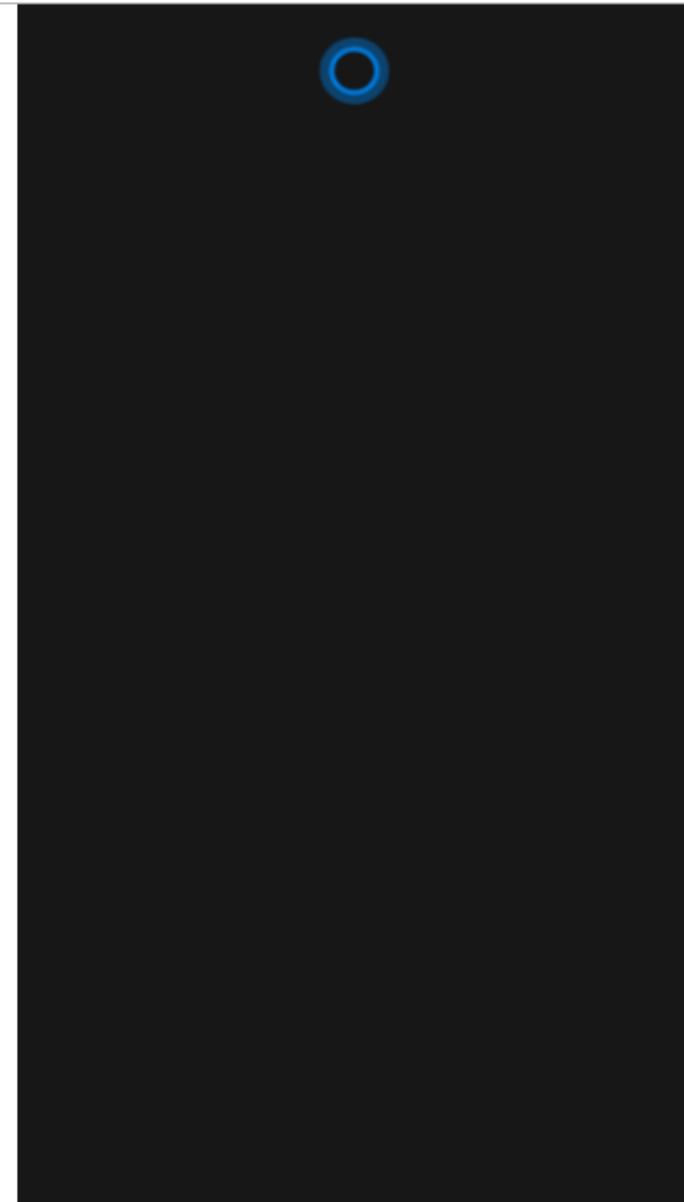


Utterance: **growth by**

Interpretations:

**growth by Country**  
from Dataset: DIAD Final Report

Show Diagnostics information:



Best match

 show growth by Country  
Dataset: DIAD Final Report



Search the web

 show growth by country - See web results



 show growth by



 show growth by Country

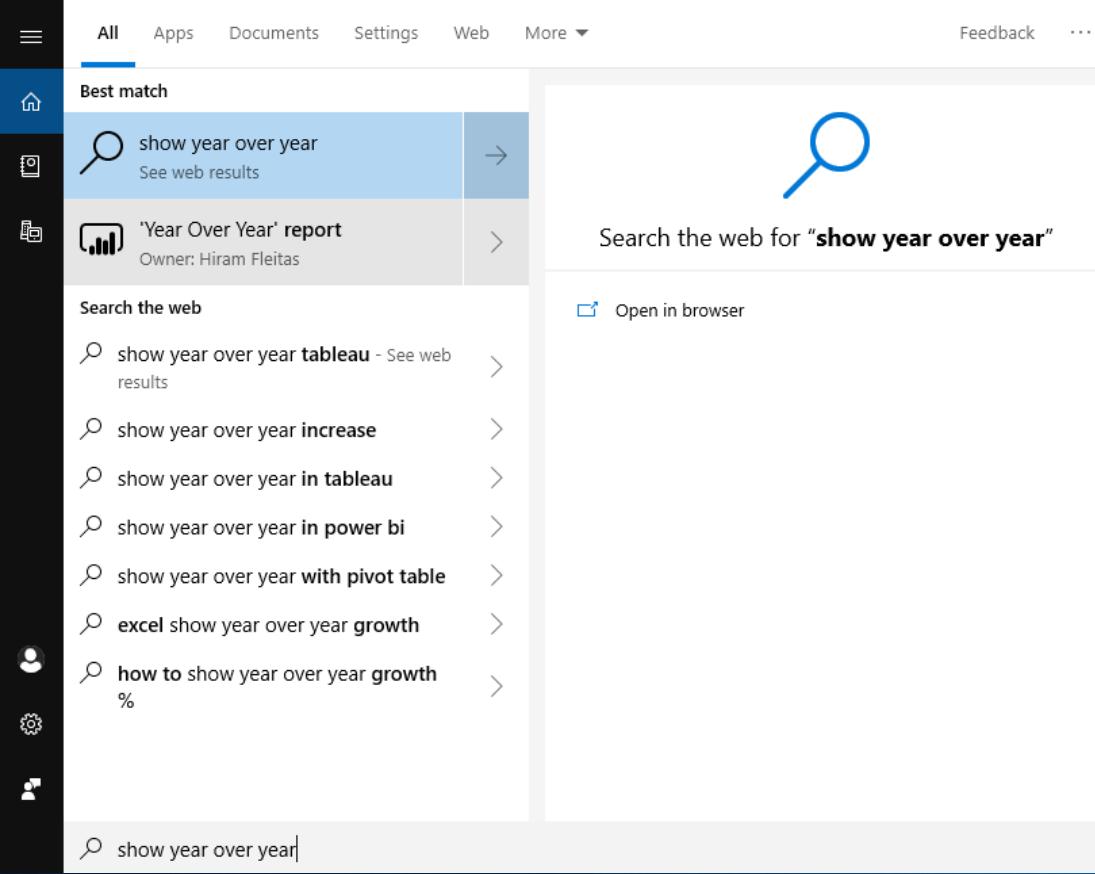


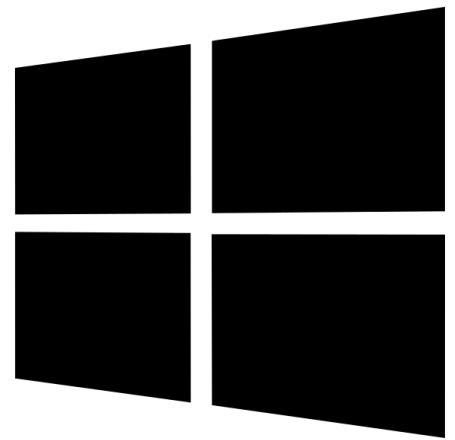
show growth by Country

Dataset: DIAD Final Report

 Open

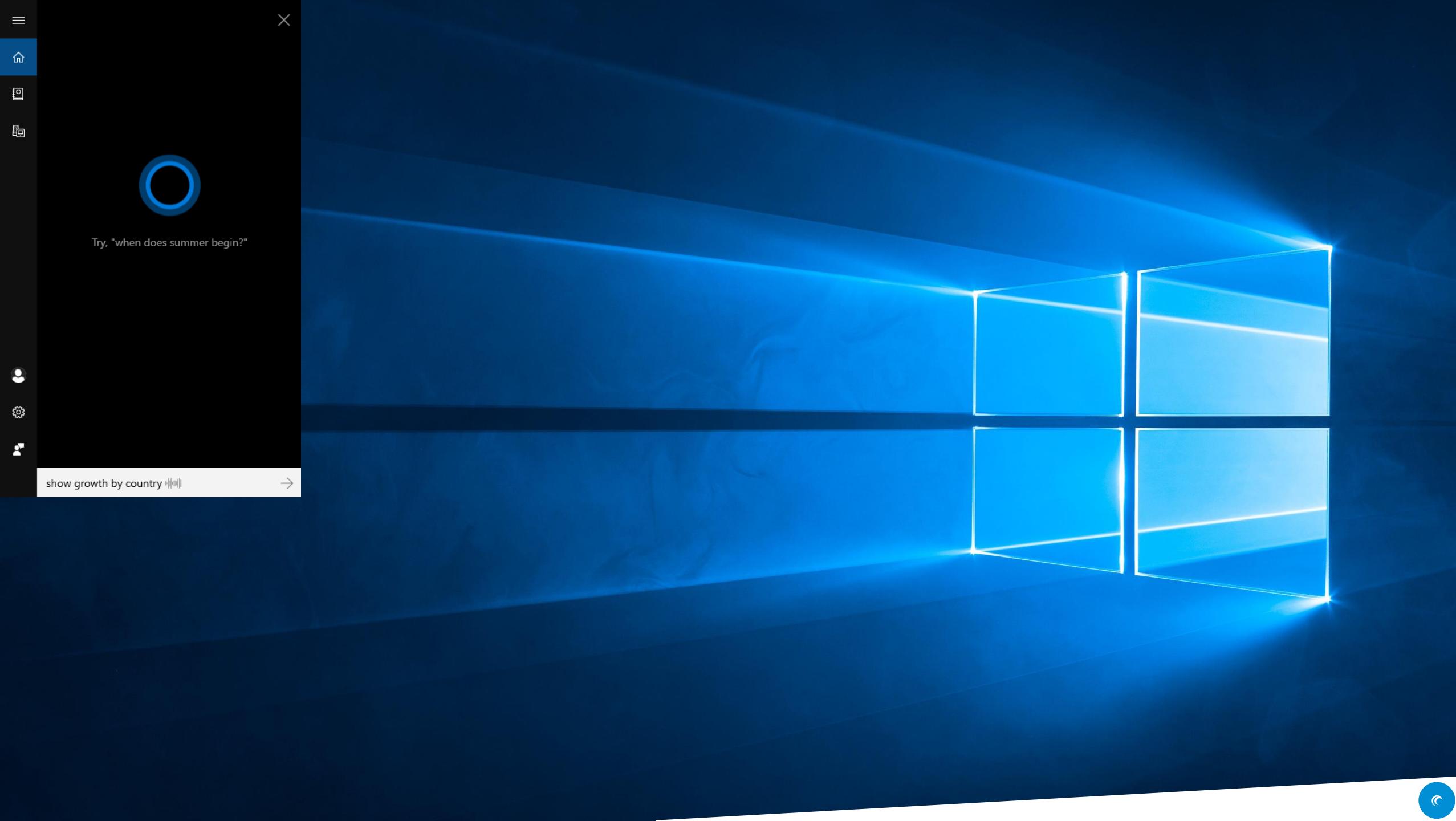






+

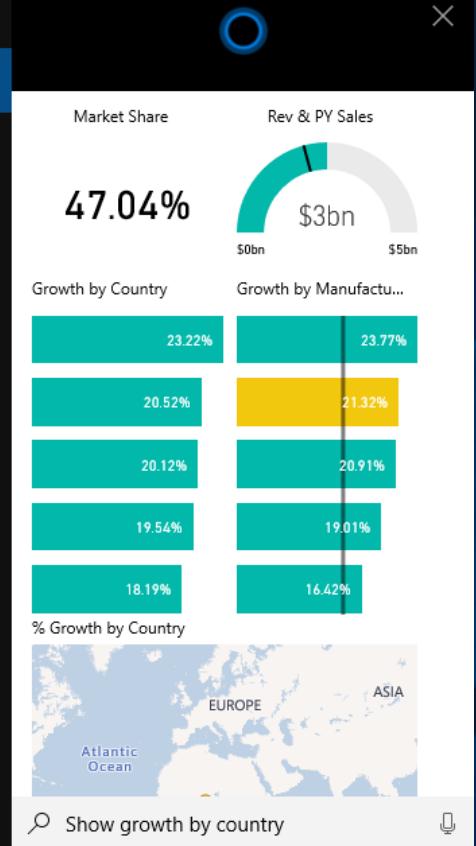
C

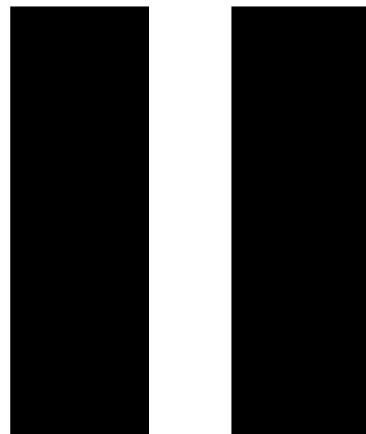


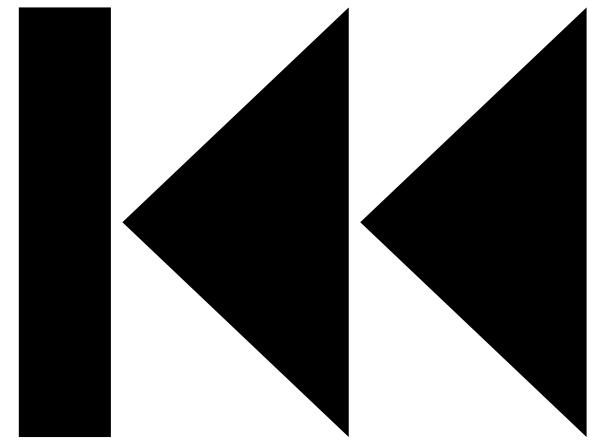
Try, "when does summer begin?"

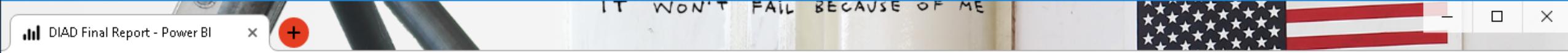
show growth by country











Power BI My Workspace > DIAD Final Report

File View Reading view Mobile Layout Ask a qu... Ex... Tex... S... Bu... Visual inter... Re... Duplicate thi... ... Pin Live... ...

Home Favorites Recent Apps Shared with me Workspaces My Workspace

Market Share Rev & PY Sales

47.04%



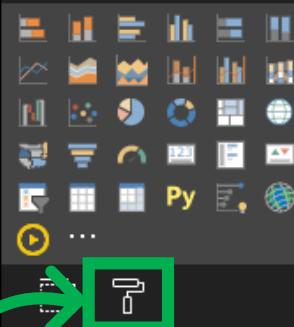
Growth by Country



Market Share

+

VISUALIZATIONS



page info

Page information

Name

Market Share

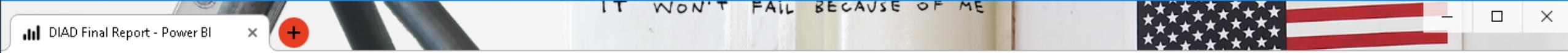
Tooltip

Off

Q&A

On

Growth by Country,  
Growth by Manufacture,  
Previous Year Sales



Power BI My Workspace > DIAD Final Report

File View Reading view Mobile Layout Ask a qu... Ex... Tex... S... Bu... Visual inter... Re... Duplicate thi... ... Pin Live... ...

Home Favorites Recent Apps Shared with me Workspaces My Workspace

Market Share Rev & PY Sales

47.04% \$3bn

Growth by Country Growth by Manufact...

Country	Growth (%)
1	23.22%
2	23.77%
3	20.52%
4	21.32%
5	20.12%
6	20.91%
7	19.54%
8	19.01%
9	18.19%
10	16.42%

% Growth by Country

EUROPE ASIA  
Atlantic Ocean Indian Ocean  
AFRICA  
SOUTH AMERICA

Bing Microsoft Corporation Terms

Market Share Page1

VISUALIZATIONS FIELDS

Search Date Geography Manufacturer Product Sales

page size

Type Cortana

Width 296 Pixels

Height 592 Pixels



Settings



## Windows Settings

Find a setting



## System

Display, sound, notifications,  
power

## Devices

Bluetooth, printers, mouse



## Phone

Link your Android, iPhone



## Network &amp; Internet

Wi-Fi, airplane mode, VPN



## Personalization

Background, lock screen, colors



## Apps

Uninstall, defaults, optional  
features

## Accounts

Your accounts, email, sync,  
work, other people

## Time &amp; Language

Speech, region, date



## Gaming

Game bar, captures,  
broadcasting, Game Mode

## Ease of Access

Narrator, magnifier, high  
contrast

## Cortana

Cortana language, permissions,  
notifications

## Privacy

Location, camera



## Update &amp; Security

Windows Update, recovery,  
backup

Settings

Home

Find a setting

Accounts

Your info

Email & accounts

Sign-in options

Access work or school

Other users

Sync your settings

## Access work or school

Get access to resources like email, apps, and the network. Connecting means your work or school might control some things on this device, such as which settings you can change. For specific info about this, ask them.

+ Connect

 Work or school account  
hiram@fleitasarts.com

 Connected to AD domain

### Connect with work and school

Select Manage or disconnect from work or school, and then select Connect to access resources on your work or school network. The Connect option will also let you set up a work or school account if you don't have one already.

[Get more tips](#)

Related settings

← Settings

Home

Find a setting

Cortana

Talk to Cortana

Permissions & History

Cortana across my devices

More details

## Talk to Cortana

### Microphone

Make sure Cortana can hear me.

[Check the microphone](#)

### Hey Cortana

Let Cortana respond to "Hey Cortana"

Off  
Cortana uses more battery when this is on.

### Keyboard shortcut

Let Cortana listen for my commands when I press the Windows logo key + C

On

### Lock Screen

Use Cortana even when my device is locked

On

To get Cortana tips on the lock screen, choose Picture or Slideshow as your background in Lock Screen Settings.

[Lock screen settings](#)

# DEMO 6

Publish & Share - Security Gov



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po + https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/home?utm\_source=PAMarketing&utm\_medium=header&utm\_campaign=signin

PowerApps Environment fleitasarts.com (default) ⏪ 🔍 ⚙️ ? 🚙

## Build business apps, fast

Create apps that connect to your data and work across web and mobile. [Learn about PowerApps](#)

### Make your own app

- Canvas app from blank**
- Model-driven app from blank**
- PowerApps Training for Office**

[All templates →](#)

**Recent apps** Shared with me

Name	Owner	Type
Leads	You	Canvas

A green arrow points from the "Leads" entry in the recent apps list to the "Edit" option in the context menu for the "Model-driven app from blank" template.

- Edit** (highlighted with a green box)
- Play
- Share
- Export package (preview)
- Analytics (preview)
- Settings
- Delete
- Details

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po + https://us.create.powerapps.com/studio/#

PowerApps

File Home Insert View Action Leads - Saved (Unpublished) ?

New screen Theme Fill = RGBA(255, 255, 255, 1)

Tree view Search App Home grpModal grpLink grpDelete grpCheck grpAdd Map Logo UserPhoto grpTextInput

Name Email Address Lead ID

Palm Springs Estates

Map

Properties Rules Advanced

Fill Background image Select an image... Image position Fit



IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished) - Po

Microsoft PowerApps

https://us.create.powerapps.com/studio/#

PowerApps

←

New

Open

Account

Connections ▾

Flows ▾

App settings

Save

Save as

Share ▾

Collections

Media

Variables

# Save

## Leads

Environment: fleitasarts.com (default)

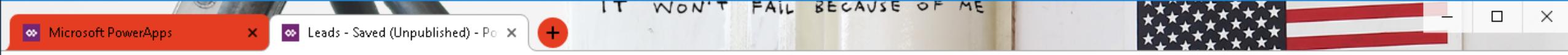
Saved: 5/5/2019, 6:07:05 PM

✓ All changes are saved.

**Publish**

See all versions

A large green arrow points upwards from the 'Save' button in the sidebar to the 'Publish' button in the main content area.



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po + https://us.create.powerapps.com/studio/#

PowerApps

Save

Leads

Environment: fleitasarts.com (default)

Saved: 5/5/2019, 6:07:05 PM

✓ All changes are saved.

Publish See all versions

**Publish**

Publishing will make this version available to everyone who has Can use permissions.  
[Learn more about publishing apps](#)

Leads

Description  
no description

**Publish this version** **Edit details**

A green arrow points from the "Edit details" button to the "Edit details" button on the main screen.

https://us.create.powerapps.com/studio/#



# PowerApps

←

- New
- Open
- Account
- Connections
- Flows
- App settings
- Save
- Save as
- Share
- Collections
- Media
- Variables

## App settings

 App name + icon  
Change the name or icon for the app

 Screen size + orientation  
Change the aspect ratio for your app

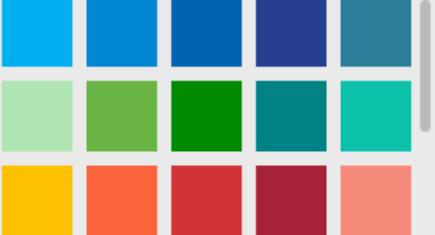
 Advanced settings  
Includes preview & experimental features

**App name**  
Leads

[Edit app name](#)

**Icon**

Preview 

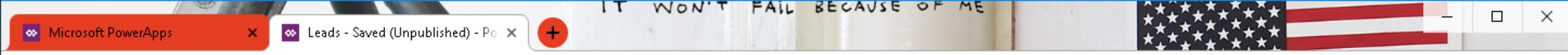
Background color 

Icons 

[Browse](#)

**Description**  
Describe what people can do with this app. This will appear with your app on users' Dynamics 365 home page.  
[Learn about Dynamics 365](#)

Leads App by Hiram



IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished) - Po

https://us.create.powerapps.com/studio/#

PowerApps

←

New

Open

Account

Connections ▾

Flows ▾

App settings

Save

Save as

Share ▾

Collections

Media

Variables

# Save

## Leads

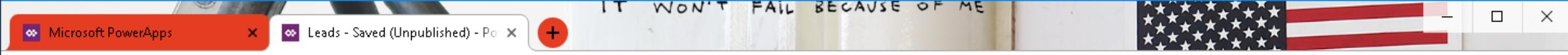
Environment: fleitasarts.com (default)

Saved: 5/23/2019, 12:58:32 AM

✓ All changes are saved.

**Publish** See all versions

A green arrow points upwards from the 'Save' button in the sidebar to the 'Publish' button in the main content area.



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po + https://us.create.powerapps.com/studio/#

PowerApps

Save

Leads

Environment: fleitasarts.com (default)

Saved: 5/23/2019, 12:58:32 AM

✓ All changes are saved.

Publish See all versions

**Publish**

Publishing will make this version available to everyone who has Can use permissions.  
[Learn more about publishing apps](#)

★ Leads

Description  
Leads App by Hiram

**Publish this version** Edit details

New

Open

Account

Connections

Flows

App settings

Save

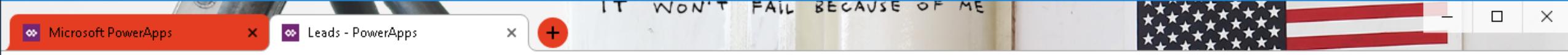
Save as

Share

Collections

Media

Variables



IT WON'T FAIL BECAUSE OF ME

Leads - PowerApps

https://us.create.powerapps.com/studio/#

PowerApps

←

New

Open

Account

Connections ▾

Flows ▾

App settings

Save

Save as

Share ▾

Collections

Media

Variables

# Save

**Leads**

Environment: fleitasarts.com (default)

Saved: 5/23/2019, 12:59:50 AM

✓ All changes are saved and published.

Share this app See all versions

A large green arrow points upwards from the 'Save' button in the sidebar to the 'Share this app' button in the main content area.

https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997efe6e12/share

## PowerApps

Edit Play Share Export package (preview) Analytics (p)

### Apps > Leads

Details Versions Connections Flows Analytics (preview)

Owner Hiram Fleitas

Created 5/3/2019, 6:36:06 PM

Modified 5/23/2019, 12:59:50 AM

Web link <https://web.powerapps.com/apps/daece9ba-da58-4f99-8093-5f997efe6e12>

App ID daece9ba-da58-4f99-8093-5f997efe6e12

## Share Leads

Add people as Users and Co-owners to your app. Make sure your data connections have been shared with all users.

Enter a name, email address, or Everyone

Shared with Sort by Name

Christina User

Hiram Fleitas Owner

Christina  
This user can use this app.  
 Co-owner  
Can use, edit, share app but not delete or change owner.

### Data permissions

Office 365 Users

Bing Maps Implicitly Shared

SQL Server Implicitly Shared

Logic flows

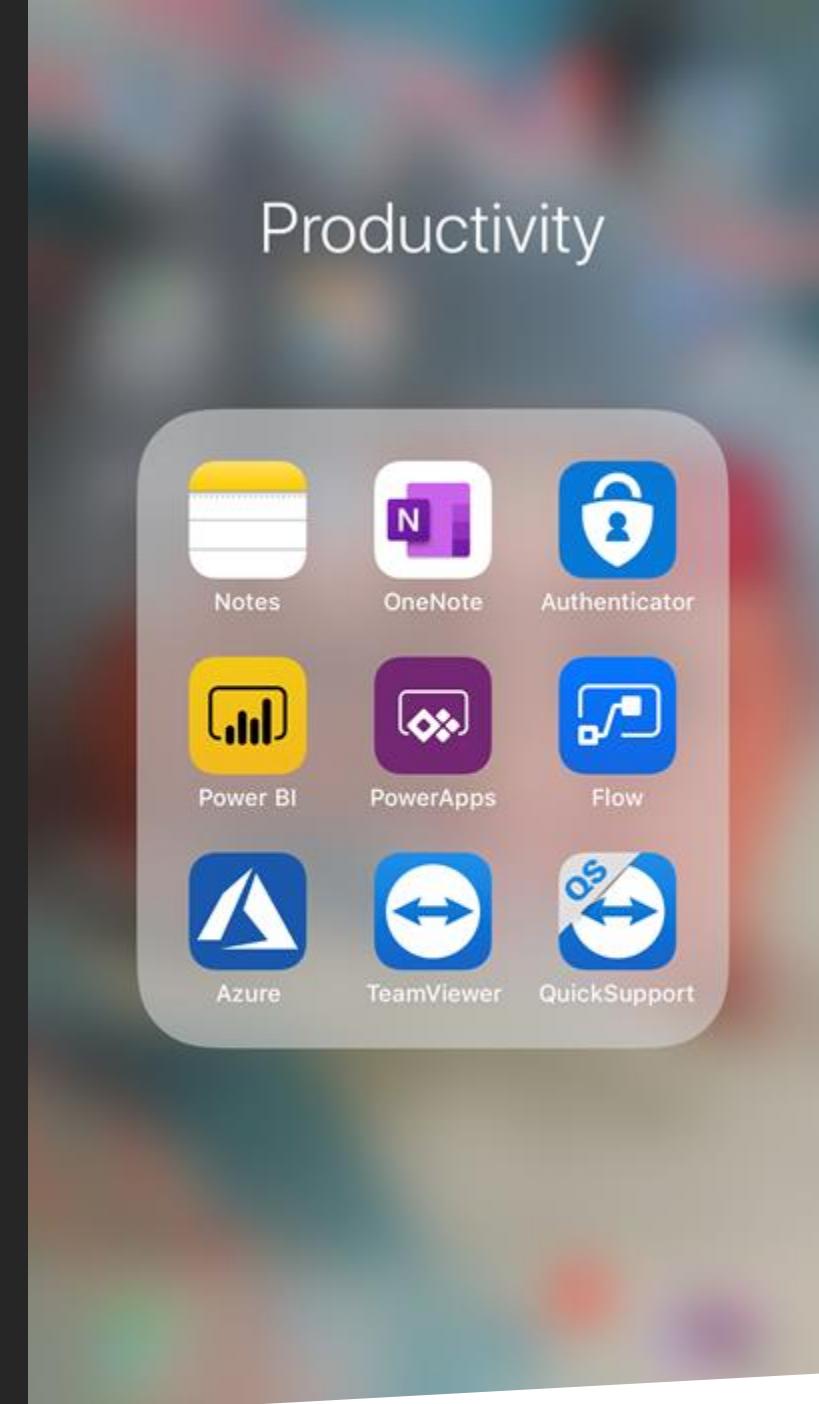
Logic flows

Logic flows

Logic flows

Send an email invitation to new users

Share Cancel



# Hello

Sign in to start using PowerApps



Sign in with your work or school email account

Sign in



Cancel

Pick account

+



Azure AD

hfleitas@universalproperty.com



https://sts.windows.net/cb6db...

hf0524@universalproperty.com



Azure AD

hiram@fleitasarts.com

[Cancel](#)[Get Codes](#)

hiram@fleitasarts.com

## Enter password

Password

[Forgot my password](#)[Sign in with another account](#)[Sign in](#)

Leads

Hiram Fleitas

fleitasarts.com (default)

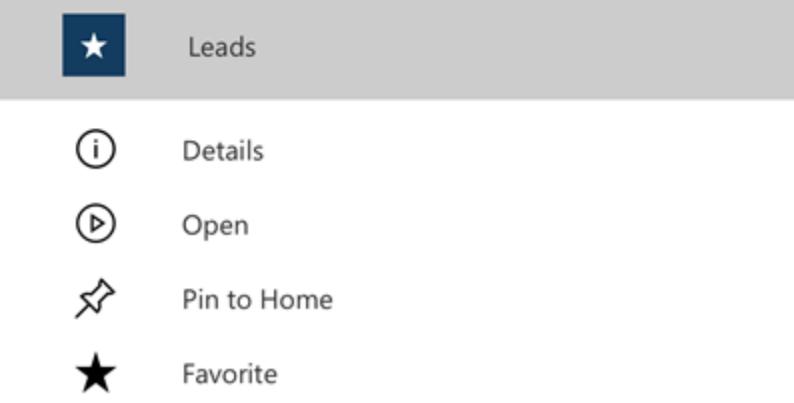
...

Looking for more? [Go to All apps.](#)

PowerApps ▾  
MY APPS



Looking for more? [Go to All apps.](#)



data:



Leads

Add Leads to home screen to make it look and feel like a real app

Tap then 'Add to Home Screen'



data:



AirDrop. Share instantly with people nearby. If they turn on AirDrop from Control Center on iOS or from Finder on the Mac, you'll see their names here. Just tap to share.



Message Mail Reminders Add to Notes Twitter



Copy Open in News Add to Home Screen Print Request Desktop Site

Cancel

Cancel

Add to Home Screen

Add



Leads



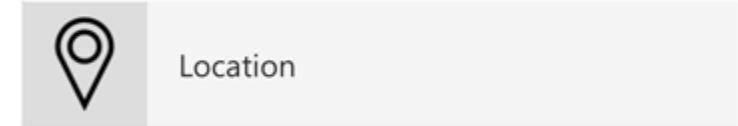
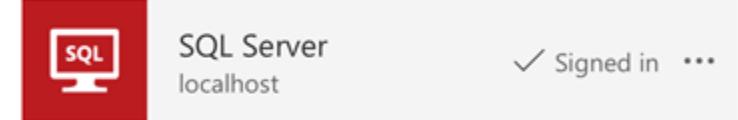
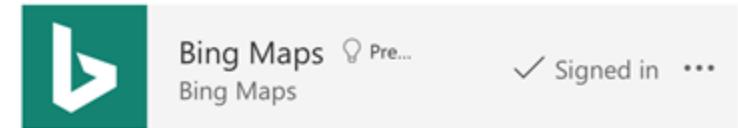
data:text/html;charset=UTF-8;base6...

An icon will be added to your home screen so you can quickly access this website.



Almost there ...

Leads needs your permission to use:



Swipe from the left edge to close app



Got it

Don't show again

Allow

Don't Allow



BingMaps.GetMapV2 failed: The method 'GetMapV2' has an invalid value for parameter 'latitude'

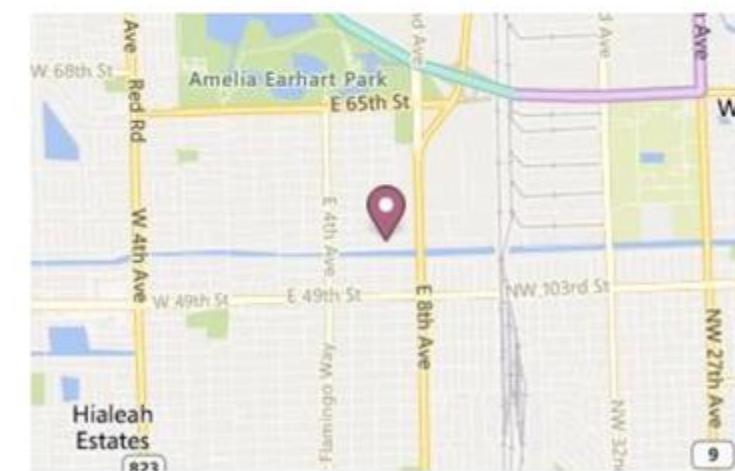


Name

Email

Address

Lead ID



Allow "PowerApps" to access  
your location?

This app needs location access

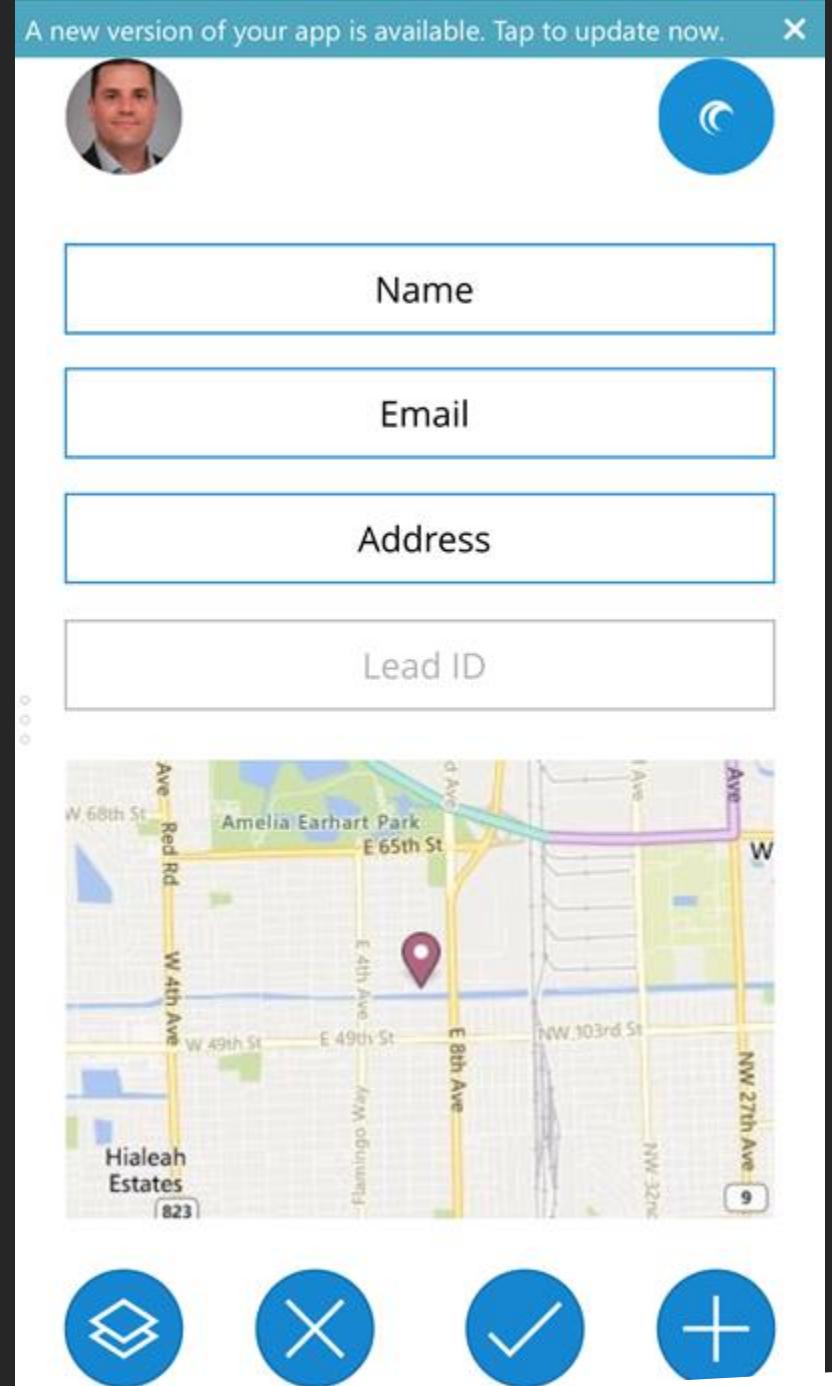
Only While Using the App

Always Allow

Don't Allow

Don't show again





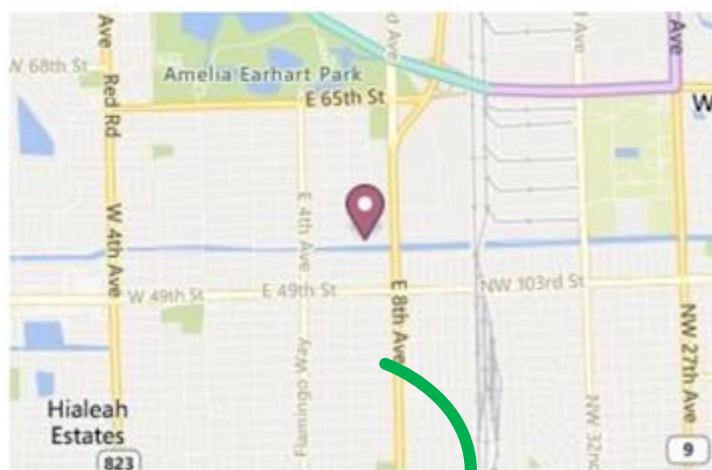


Name

Dmoney@icloud.com

Address

Lead ID



Name

Dmoney@icloud.com

Address

{"Table1": [{"TicketId":2001,"LeadId":1001}]}



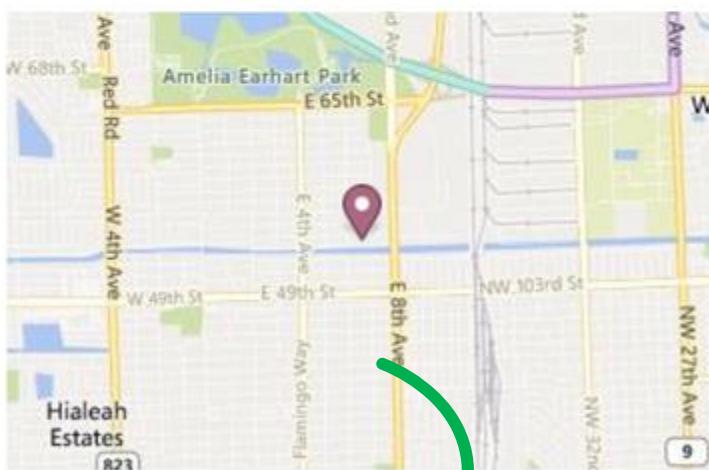


Tony

Wakeboard@live.com

Address

Lead ID



Name

Wakeboard@live.com

Address



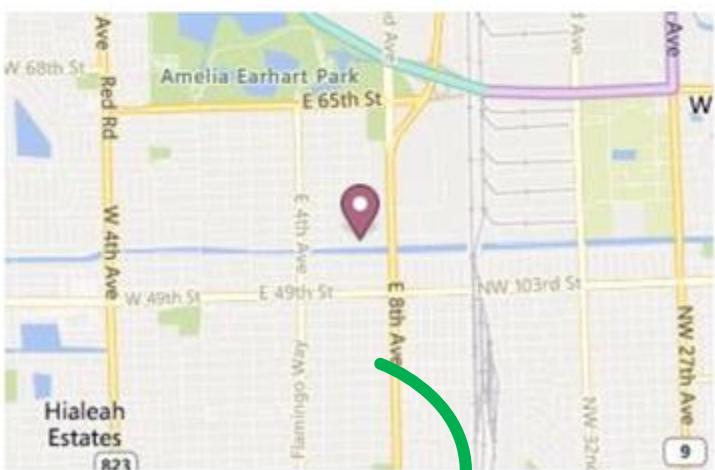


Jackie

Hr@icloud.com

Address

Lead ID



Name

Hr@icloud.com

Address

{"Table1": [{"TicketId":2002,"LeadId":1003}]}  
9





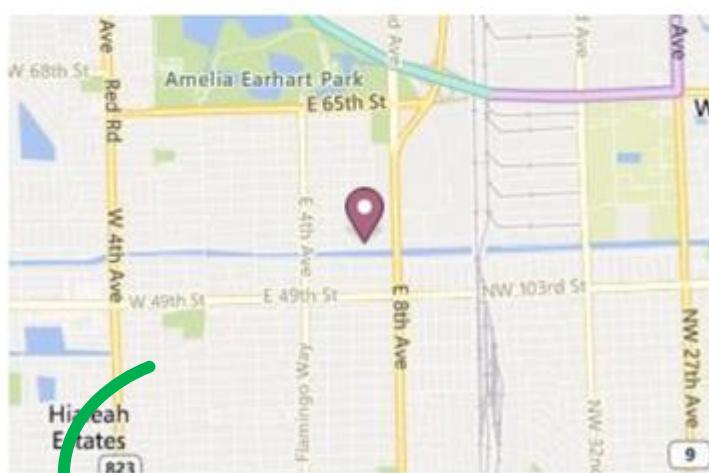
Tony

Wakeboard@live.com

Address

1002

○ ○ ○



{"Table1":  
[{"TicketId":2003,"CustomerId":null,"LeadId":100  
2,"Status":false,"CreatedBy":"Leads","CreatedOn  
":"2019-05-24T15:34:33.15","ModifiedBy":null}]}  
○ ○ ○





Ryan

Ryan@outlook.com

750 Lake Dr, Boca Raton, FL 33432

Lead ID



Ryan

Ryan@outlook.com

750 Lake Dr, Boca Raton, FL 33432

Lead ID

1007

1007

1007

1007

1007

1007

1007

1007

1007

1007

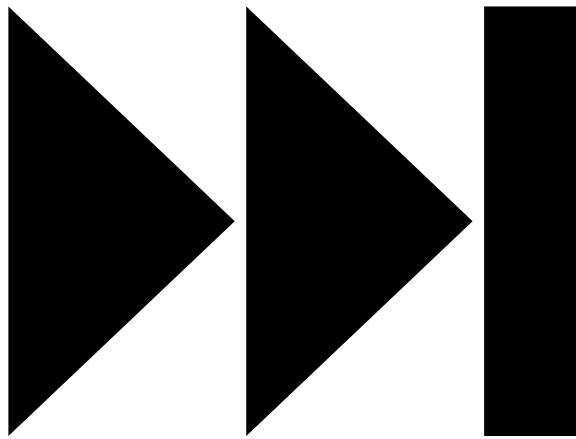
1007

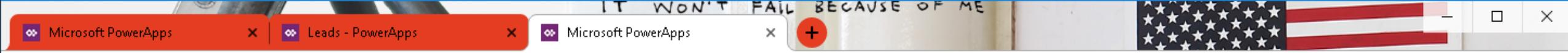
1007

1007

{"Table1": [{"Column1":1007}]}







IT WON'T FAIL BECAUSE OF ME

PowerApps

Edit Play Share Export package (preview) Analytics (preview) Settings Delete

Environment  
fleitasarts.com (default)

Apps > Leads

Details Versions Connections Flows Analytics (preview)

Owner  
Hiram Fleitas

Created  
5/3/2019, 6:36:06 PM

Modified  
5/23/2019, 12:59:50 AM

Web link  
<https://web.powerapps.com/apps/daece9ba-da58-4f99-8093-5f997efe6e12>

App ID  
daece9ba-da58-4f99-8093-5f997efe6e12

Home Learn Apps Create Data Business logic Solutions

IT WON'T FAIL BECAUSE OF ME

The screenshot shows the Microsoft PowerApps web interface. At the top, there are three tabs: "Microsoft PowerApps", "Leads - PowerApps", and another "Microsoft PowerApps". The main title bar displays the URL: <https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997efe6e12/versions>. The environment is listed as "fleitasarts.com (default)". The top navigation bar includes icons for Edit, Play, Share, Export package (preview), Analytics (preview), Settings, Delete, and Search.

The left sidebar has sections for Home, Learn, Apps, Create, Data, Business logic, and Solutions. The "Apps" section is currently selected, showing a list of apps. The "Leads" app is selected, and its version history is displayed in a table.

The table headers are Details, Versions, Connections, Flows, and Analytics (preview). The "Versions" header is underlined, indicating it is the active tab. The table rows show the following data:

	Version	Modified	Modified by	PowerApps release	Published	Comment
	Version 14	...	5/23/2019, 12:58:32 AM	Hiram Fleitas	3.19051.20	Live
	Version 13	...	5/5/2019, 6:07:04 PM	Hiram Fleitas	3.19044.15	
	Version 12	...	5/5/2019, 12:30:32 PM	Hiram Fleitas	3.19044.15	
	Version 11	...	5/5/2019, 3:28:52 AM	Hiram Fleitas	3.19044.15	
	Version 10	...	5/5/2019, 3:26:57 AM	Hiram Fleitas	3.19044.15	
	Version 9	...	5/4/2019, 4:06:17 PM	Hiram Fleitas	3.19044.13	
	Version 8	...	5/4/2019, 2:32:55 PM	Hiram Fleitas	3.19044.13	
	Version 7	...	5/4/2019, 1:24:36 PM	Hiram Fleitas	3.19044.13	
	Version 6	...	5/4/2019, 11:59:46 AM	Hiram Fleitas	3.19044.13	
	Version 5	...	5/4/2019, 10:19:38 AM	Hiram Fleitas	3.19044.13	
	Version 4	...	5/4/2019, 12:41:00 AM	Hiram Fleitas	3.19044.13	



PowerApps

Environment  
fleitasarts.com (default)

Edit Play Share Export package (preview) Analytics (preview) Settings Delete Search

Apps > Leads

Details Versions Connections Flows Analytics (preview)

Name
 Bing Maps Bing Maps (preview)
 hiram@fleitasarts.com Office 365 Users
 localhost SQL Server

Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions



PowerApps

Environment  
fleitasarts.com (default)

Edit Play Share Export package (preview) Analytics (preview) Settings Delete Search

Apps > Leads

Details Versions Connections Flows Analytics (preview)

Name
 CheckLead
 LinkLead
 AddLead
 DeleteLead

Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions

https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997ef6e12/analytics

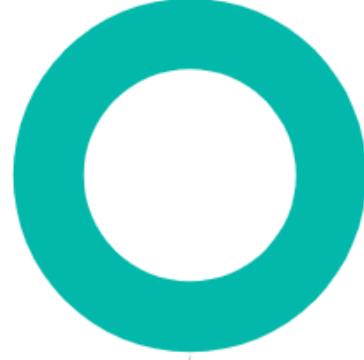
PowerApps

Environment  
fleitasarts.com (default)

Edit Play Share Export package (preview) Analytics (preview) Settings Delete

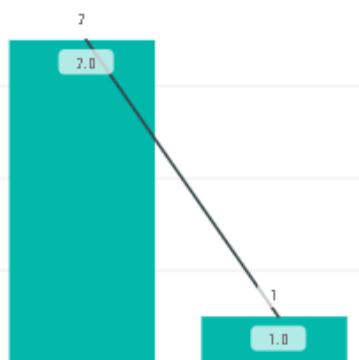
Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions

App launch distribution by device platform



iPhone-ReactNativePlayer

App launch count by day

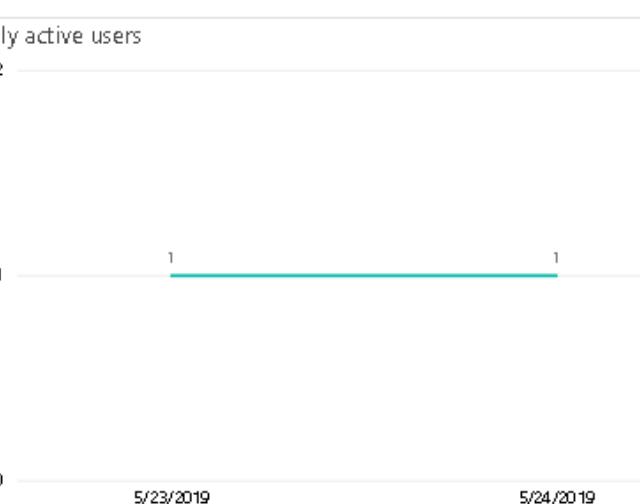


Aggregation Date	App Launch Count
5/23/2019	7.0
5/24/2019	1.0

Device platform

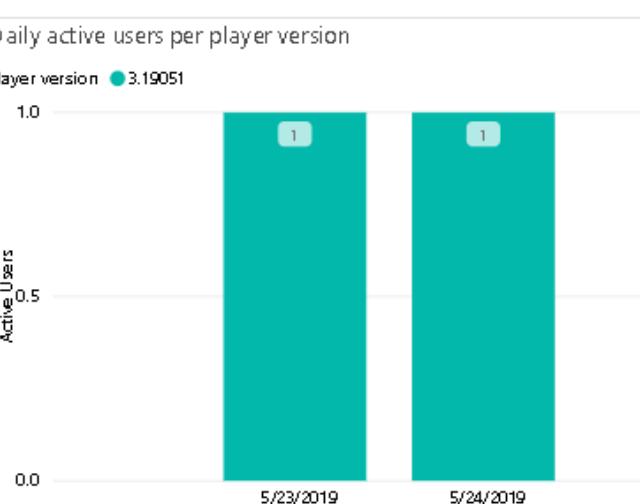
- Select all
- iPhone-ReactNativePlayer

Daily active users



Aggregation Date	Active Users
5/23/2019	1
5/24/2019	1

Daily active users per player version



Aggregation Date	Active Users
5/23/2019	1.0
5/24/2019	1.0

App version

- Select all
- 3.19051

Country or region

- Select all
- United States



https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997ef6e12/analytics

PowerApps

Environment  
fleitasarts.com (default)

Edit Play Share Export package (preview) Analytics (preview) Settings Delete

Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions

Time to first screen (in seconds)

Aggregation Date	Red Line (s)	Black Line (s)	Teal Line (s)
5/23/2019	6.1	3.1	1.8
5/24/2019	2.8	2.8	2.8

Time to first screen without connection setup (in seconds)

Aggregation Date	Red Line (s)	Black Line (s)	Teal Line (s)
5/23/2019	3.1	3.1	1.8
5/24/2019	2.8	2.8	2.8

Device platform

- Select all
- iPhone-ReactNativePlayer

App version

- Select all
- 3.19051

Session length (in seconds)

Aggregation Date	Red Line (s)	Black Line (s)	Teal Line (s)
5/23/2019	1378.0	69.0	0.0
5/24/2019	20.2	20.2	20.2

App session count by session duration

Session duration: < 1 min (Teal), > 5 min (Black), 1 - 5 min (Red)

Session Duration	Count (5/23/2019)	Count (5/24/2019)
< 1 min	10	2
> 5 min	2	2
1 - 5 min	2	2

App open scenario

- Select All
- Regular open

Country or region

- Select all
- United States

https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997ef6e12/analytics

PowerApps

Environment  
fleitasarts.com (default)

Edit Play Share Export package (preview) Analytics (preview) Settings Delete

App launches across the world



Bing

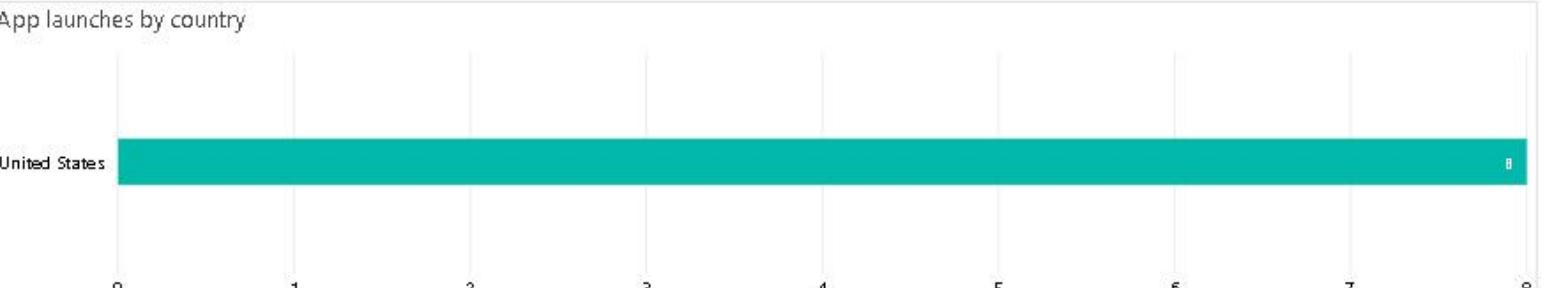
Device platform

- Select all
- iPhone-ReactNativePlayer

App version

- Select all
- 3.19051

App launches by country



Country	Launches
United States	8
Other Countries	0-1



Microsoft PowerApps Leads - Saved (Unpublished) - Po Microsoft PowerApps

https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/gateways

PowerApps Environment fleitasarts.com (default)

New gateway

Search

Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions

Gateways

Canvas

Name	Contact information
Hiram	... hiram@fleitasarts.com



https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/logicflows

PowerApps

Environment  
fleitasarts.com (default)

+ New

Search

Flows

My flows Team flows Business process flows

o <sup>▲</sup>	Name	Modified	Type
	CheckLead	2 wk ago	Instant
	DeleteLead	2 wk ago	Instant
	LinkLead	2 wk ago	Instant
	AddLead	2 wk ago	Instant

Home Learn Apps Create Data Entities Connections Custom connectors Gateways Business logic Flows Solutions

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po Power BI Audit log search - Security & Co +

https://app.powerbi.com/admin-portal/auditLogs

Power BI Admin portal

Home Favorites Recent Apps Shared with me Workspaces My Workspace Get Data

1

Admin portal

Usage metrics Users Audit logs Tenant settings Capacity settings Embed Codes Organization visuals Dataflow settings Workspaces

Audit logs are managed in the Office 365 Admin Center  
Go there to view tenant activity and export logs.  
Auditing is only available in certain regions while the feature is in preview. [Learn more about audit logs](#)

Go to O365 Admin Center



## Office 365 Security &amp; Compliance



## Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? Search the Office 365 audit log to find out what the users and admins in your organization have been doing. You'll be able to find activity related to email, groups, documents, permissions, directory services, and much more. [Learn more about searching the audit log](#)

## Search

[Clear](#)

Results 43 results found

[Filter results](#)[Export results ▾](#)

## Activities

Created app, ... (10) ▾

Date ▾

IP address

User

Activity

Item

Detail

2019-05-24 11:50:05 hiram@fleitasarts.com Edited app daece9ba-da58-4f99-80...

[Clear all to show results for all activities](#)[App](#)

## Power BI activities

Created Power BI app	Installed Power BI app	Updated Power BI app
Unpublished Power BI app	Created workspace for Power BI template app	Deleted workspace for Power BI template app
Updated settings for Power BI template app	Updated testing permissions for Power BI template app	Created Power BI template app
Deleted Power BI template app	Promoted Power BI template app	Installed Power BI template app
Updated parameters for installed Power BI template app		

## PowerApps app activities

Created app	✓	Edited app	✓	Deleted app	✓
Launched app	✓	Published app	✓	Marked app as Hero	✓
Marked app as Featured	✓	Edited app permission	✓	Deleted app permission	✓
Restored app version	✓				

[+ New alert policy](#)



https://protection.office.com/unifiedauditlog

## Office 365 Security & Compliance

Home > Audit log search

### Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? Search the Office 365 audit log to find out what the users and admins in your organization have been doing. You'll be able to find activity related to email, groups, documents, permissions, directory services, and much more. [Learn more about searching the audit log](#)

Search	Clear	Results 43 results found	Filter results	Export results ▾			
Activities		Date ▾	IP address	User	Activity	Item	Detail
Created app, ... (10)		2019-05-24 11:50:05		hiram@fleitasarts.com	Edited app	daece9ba-da58-4f99-80...	
Start date	2019-05-17	00:00		hiram@fleitasarts.com	Edited app	daece9ba-da58-4f99-80...	
End date	2019-05-25	00:00		hiram@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	
Users	Show results for all users			christina@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	
File, folder, or site	Add all or part of a file name, folder name, or URL.			christina@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	
				hiram@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	
				hiram@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	
				hiram@fleitasarts.com	Launched app	daece9ba-da58-4f99-80...	

Q Search



https://protection.office.com/unifiedauditlog

## Office 365 Security & Compliance

### Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? Search the Office 365 audit log to find out what the users and admins in your organization have been doing. You'll be able to find activity related to email, groups, documents, permissions, directory services, and much more. [Learn more about searching the audit log](#)

**Search** Clear Filter results Export results

Results 43 results found

Activities	Date	IP address	User	Activity	Item	Detail	
Created flow, ... (7)	2019-05-24 11:50:05		hiram@fleitasarts.com	Edited app	daece9ba-da58-4f99-80...		
<input type="button" value="Clear all to show results for all activities"/> <input type="text" value="flow"/> <input type="button" value="x"/>							
Enabled legacy workflow							
Power BI activities							
Generated Power BI dataflow SAS token							
Deleted Power BI dataflow							
Set scheduled refresh on Power BI dataflow							
Attached dataflow storage account							
Set dataflow storage location for workspace							
Microsoft Flow activities							
Created flow	✓			Edited flow	✓	Deleted flow	✓
Edited flow permissions	✓			Deleted flow permissions	✓	Started a Flow paid trial	✓
Renewed a Flow paid trial	✓						

[+ New alert policy](#)



## Office 365 Security &amp; Compliance

## Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? Search the Office 365 audit log to find out what the users and admins in your organization have been doing. You'll be able to find activity related to email, groups, documents, permissions, directory services, and much more. [Learn more about searching the audit log](#)

## Search

[Clear](#)

Results 21 results found

[Filter results](#)[Export results ▾](#)

## Activities

## Start date

## End date

## Users

## File, folder, or site

Search

[+ New alert policy](#)

Date	IP address	User	Activity	Item	Detail
2019-05-23 08:15:20	73.204.201.129	hiram@fleitasarts.com	Deleted flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 12:31:48	73.204.201.129	hiram@fleitasarts.com	Edited flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:24:42	73.204.201.129	hiram@fleitasarts.com	Edited flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:24:28	73.204.201.129	hiram@fleitasarts.com	Edited flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:21:56	73.204.201.129	hiram@fleitasarts.com	Created flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:19:51	73.204.201.129	hiram@fleitasarts.com	Deleted flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:19:09	73.204.201.129	hiram@fleitasarts.com	Edited flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	
2019-05-05 03:18:55	73.204.201.129	hiram@fleitasarts.com	Edited flow	<a href="https://admin.flow.micro...">https://admin.flow.micro...</a>	





## Office 365 Security &amp; Compliance



## Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? Search the Office 365 audit log to find out what the users and admins in your organization have been doing. You'll be able to find activity related to email, groups, documents, permissions, directory services, and much more. [Learn more about searching the audit log](#)

## Search

[Clear](#)

Results 21 results found

[Filter results](#)[Export results ▾](#)

## Activities

Viewed Power BI dashboard ... (38) ▾

Date	IP address	User	Activity	Item	Detail
2019-05-23 08:15:20	73.204.201.129	hiram@fleitasarts.com	Deleted flow	https://admin.flow.micro...	

[Clear all to show results for all activities](#)

Power BI

## Power BI activities

Viewed Power BI dashboard	✓	Created Power BI dashboard	✓	Edited Power BI dashboard
Deleted Power BI dashboard	✓	Shared Power BI dashboard		Printed Power BI dashboard
Copied Power BI dashboard	✓	Viewed Power BI tile		Exported Power BI tile data
Viewed Power BI report	✓	Deleted Power BI report		Printed Power BI report page
Downloaded Power BI report	✓	Published Power BI report to web		Exported Power BI report visual data
Created Power BI report	✓	Edited Power BI report		Copied Power BI report
Created Power BI dataset	✓	Deleted Power BI dataset		Created Power BI group
Deleted Power BI group	✓	Added Power BI group members	✓	Removed Power BI group members
Created organizational Power BI content pack	✓	Created Power BI app		Installed Power BI app
Updated Power BI app		Updated organization's Power BI settings		Started Power BI trial

[+ New alert policy](#)



## Office 365 Security &amp; Compliance



## Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? See activity related to email, groups, documents, permissions, directory services, and much more.

## Search

Clear

## Activities

Viewed Power BI dashboard ... (38)

## Start date

2019-05-17 00:00

## End date

2019-05-25 00:00

## Users

Show results for all users

## File, folder, or site

Add all or part of a file name, folder name, or URL.

Search

+ New alert policy

## Results

17 results found

Date	IP address
2019-05-24 12:06:14	73.204.201.129
2019-05-22 20:47:47	73.204.201.129
2019-05-22 16:19:20	73.204.201.129
2019-05-22 13:54:09	73.204.201.129
2019-05-21 21:39:26	73.204.201.129
2019-05-21 21:27:56	73.204.201.129
2019-05-21 21:27:41	73.204.201.129
2019-05-21 21:19:35	73.204.201.129

## Details

**Date:** 2019-05-24 12:06:14**IP address:** 73.204.201.129**User:** hiram@fleitasarts.com**Activity:** Viewed Power BI dashboard**Item:** VanArsdel**Detail:** Data classification undefined

## More information

**Activity:** ViewDashboard**ActivityId:** c5f279f3-b8f0-4dc1-bade-3fbf52bbe2e2**ClientIP:** 73.204.201.129**CreationTime:** 2019-05-24T16:06:14**DashboardId:** 1a5682b5-8a99-4ecb-9a74-224763e3d12e**DashboardName:** VanArsdel**Datasets:**

```
[  
 {  
 "DatasetId": "6c66dc3a-1511-4279-b720-ce3b498b1461",  
 "DatasetName": "DIAD Final Report"  
 },  
 {  
 "DatasetId": "fb30b500-a240-4a00-8a00-000000000000",  
 "DatasetName": "DIAD Final Report"  
 }]
```



## Office 365 Security &amp; Compliance

## Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? See activity related to email, groups, documents, permissions, directory services, and much more.

## Search

Clear

## Activities

Edited flow ▾

## Start date

2019-04-13



00:00

## Results

14 results found

Date ▾

IP address

2019-05-05 12:31:48

73.204.201.

2019-05-05 03:24:42

73.204.201.

2019-05-05 03:24:28

73.204.201.

2019-05-05 03:19:09

73.204.201.

2019-05-05 03:18:55

73.204.201.

2019-05-05 03:17:11

73.204.201.

2019-05-05 03:17:08

73.204.201.

2019-05-05 03:15:09

73.204.201.

Search

+ New alert policy

## New alert policy

## Name\*

Edited Flow

## Description

## Alert type

Custom ▾

## Send this alert when...\*

## Activities\*

Edited flow ▾

## Users:

Show results for all users



https://protection.office.com/unifiedauditlog

## Office 365 Security & Compliance

Home > Audit log search

### Audit log search

Need to find out if a user deleted a document or if an admin reset someone's password? See activity related to email, groups, documents, permissions, directory services, and much more.

#### Search

Clear

Activities: Edited flow

Start date: 2019-04-13, 00:00

End date: 2019-05-25, 00:00

Users: Show results for all users

File, folder, or site: Add all or part of a file name, folder name, or URL.

Results: 14 results found

Date	IP address
2019-05-05 12:31:48	73.204.201.
2019-05-05 03:24:42	73.204.201.
2019-05-05 03:24:28	73.204.201.
2019-05-05 03:19:09	73.204.201.
2019-05-05 03:18:55	73.204.201.
2019-05-05 03:17:11	73.204.201.
2019-05-05 03:17:08	73.204.201.
2019-05-05 03:15:09	73.204.201.

#### Alert type: Custom

#### Send this alert when...\*

##### Activities\*

Edited flow

##### Users:

Show results for all users

#### Send this alert to...\*

##### Recipients\*

Hiram Fleitas

Save Cancel



## Microsoft 365 security

[Home](#)[Alerts](#)[Monitoring & reports](#)[Secure score](#)[Hunting](#)[Classification](#)[Policies](#)[Permissions](#)[More resources](#)[Customize navigation](#)

## Prevent

## Microsoft Secure Score

**Total score: 69/707**

This score reflects the collective security state of your identities, data, devices, apps, and infrastructure.

Updated Yesterday at 8:00 PM

**Identity** 26 / 223**Data** 23 / 219**Device** 0 / 245**Apps** 20 / 20**Infrastructure** No data to show

## Identity protection

**1 users at risk**[View all users](#)

## Device compliance

Intune device compliance status

Status	Color
Compliant	Orange
In grace period	Green
Noncompliant	Yellow
Not evaluated	Grey

[View details](#)

## Cloud App Security - OAuth apps

**0 privileged OAuth a...**

Apps that users gave permissions to. Discovered by Cloud App Security

## Devices with active malware

**No managed devices**

Track security events and enforce configuration and compliance policies through Intune device management

Updated 12/31/0000







Service Trust Portal

Compliance Manager

Trust Documents

Industries &amp; Regions

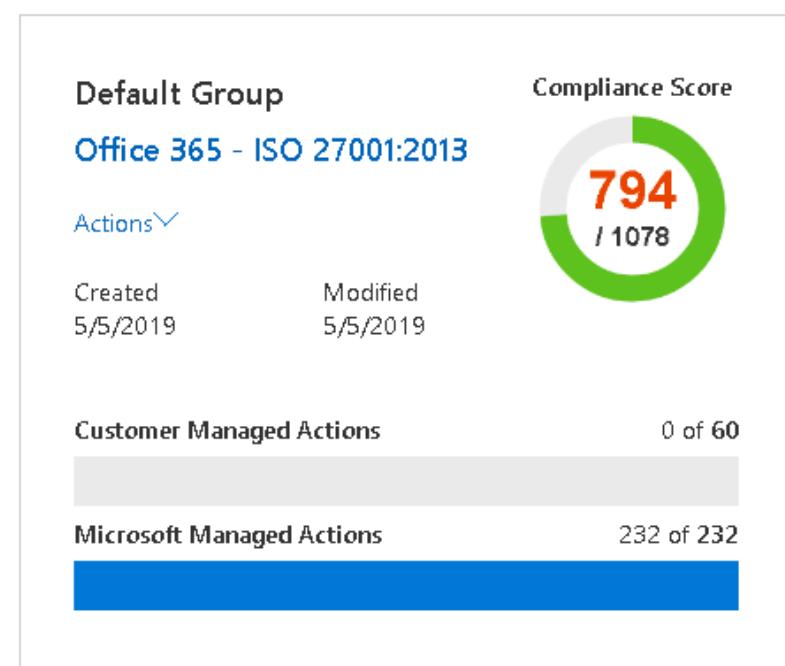
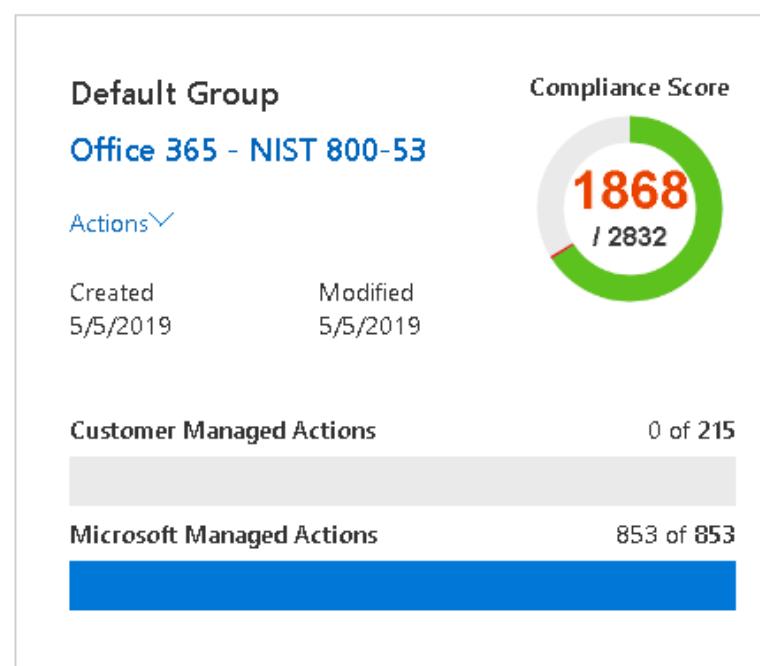
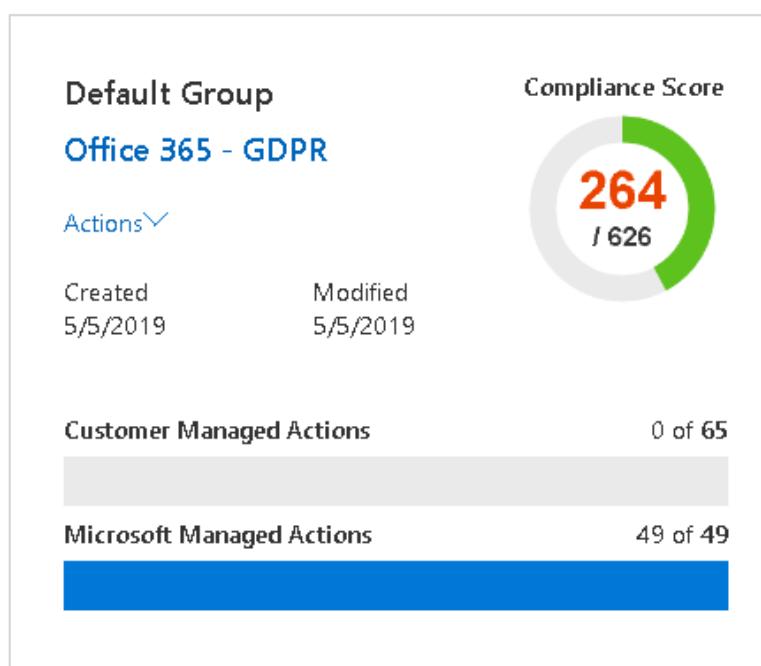
More



Help

# Compliance Manager

i Notice: Compliance Manager data has been refreshed. Some of the changes to customer managed controls may require the controls to be reassessed. Please review the list of changes and the Microsoft recommended actions for customers in the [Controls Change Log](#).

[Assessments](#)[Action Items](#) Show Archived[+ Add Assessment](#)[Filter](#) ▾

Default Group

Assessment Status

Default Group

Assessment Status





## Office 365 Security &amp; Compliance



## Microsoft 365

Check out the new homes for Microsoft 365 security and compliance

Check out the new [Microsoft 365 security center](#) and [Microsoft 365 compliance center](#) - your specialized workspaces for managing security and compliance across Microsoft 365

## Office 365

Customize

## Welcome to the Security &amp; Compliance Center



We're busy building a one-stop shop for security and compliance across Office 365. Keep an eye out for new features coming your way. As always, your feedback is a critical part of our blueprint, so take a look around and let us know what you think.

Take a tour

## We're committed to helping on your GDPR journey



GDPR is all about protecting and enabling individuals' privacy rights inside the European Union (EU). Our tools can help you detect, classify, and secure this sensitive info across locations (like Exchange, OneDrive, and more) and can

## Search for users

Search for users



Search for users



## Recommendations

Let users classify their content



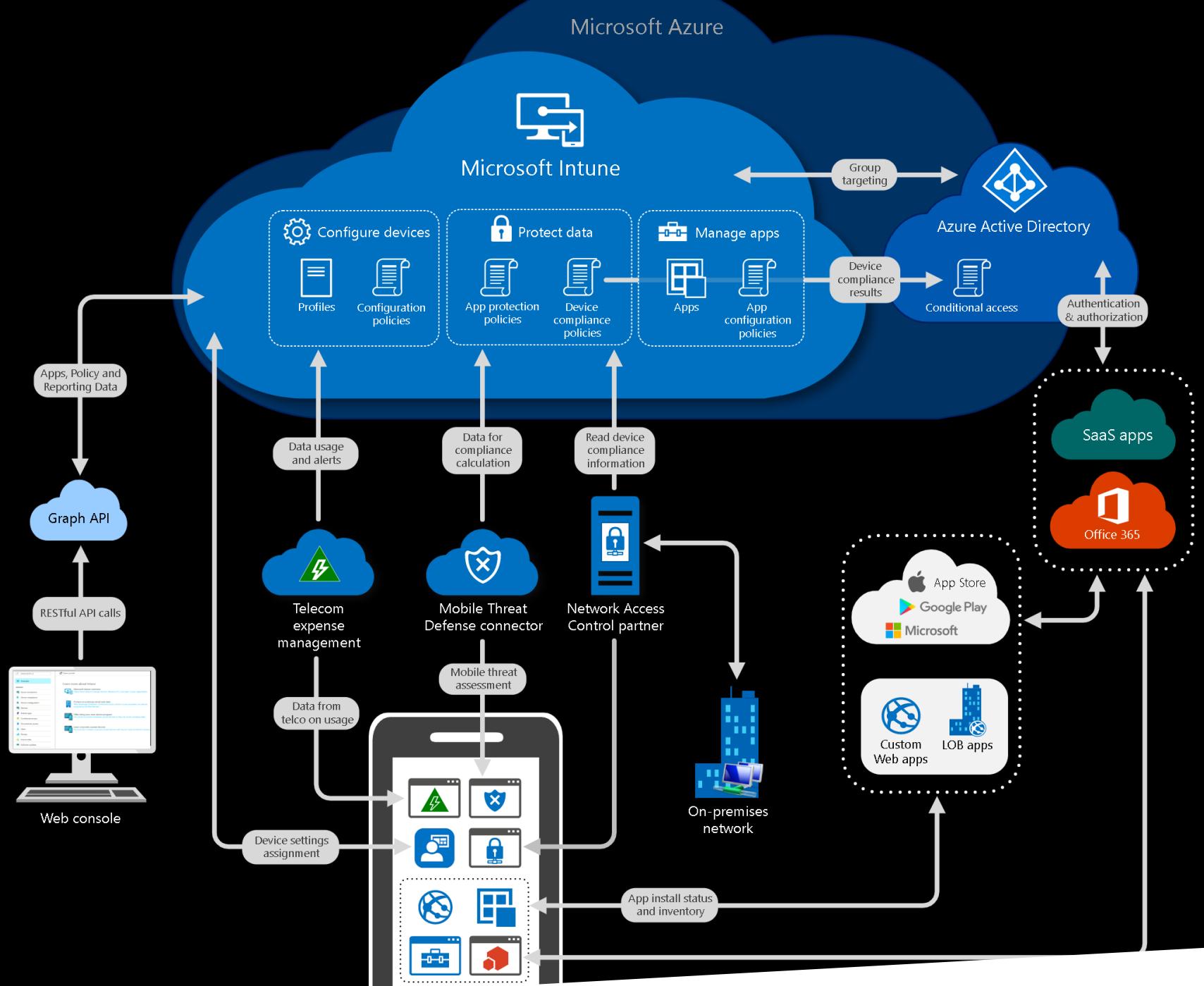
Let your users apply their classification to their content. Transition to a more progressive approach to security and compliance.

## Microsoft Secure Score

**Total score: 69/707**

This score reflects the collective security state of your identities and assets.

Get started



Fin

The screenshot shows the Microsoft PowerApps website (<https://powerapps.microsoft.com/en-us/>) displayed on a laptop screen. 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 of the browser window shows tabs for "Build Custom Business Apps | Mi...", "Power BI | Interactive Data Visual...", and "Automate processes + tasks | Mi...". The Microsoft logo and "PowerApps" text are at the top left, and "Sign in" and "Sign up free" links are at the top right.

IT WON'T FAIL BECAUSE OF ME

Build Custom Business Apps | Mi... X Power BI | Interactive Data Visual... X Automate processes + tasks | Mi... X +

Microsoft | PowerApps

Sign in Sign up free

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

## Apps that mean business

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

GET STARTED FREE >

# Sumario

- ★ Intro
- ★ Azure Data Studio Notebook
- ★ PowerApps
- ★ Microsoft Flow
- ★ Data Gateway
- ★ Cortana - Power BI
- ★ Publish & Share - Seguridad
- ★ Recursos

# Recursos

- ★ [dba2o.wordpress.com](http://dba2o.wordpress.com)
- ★ [Microsoft Learn](https://docs.microsoft.com/en-us/learn)
- ★ [Precios](#)
- ★ [Integración de Bing Maps en PowerApps con GPS](#)
- ★ [Desplazamiento de Pantalla](#)
- ★ [Mostrar Foto de Perfil del Usuario](#)
- ★ [Pantalla Modal \(Pop-up\)](#)
- ★ [Recortar Imagen en Circulo](#)
- ★ [Cortana Intro](#)
- ★ [Ejemplo de apps en canvas \(Reporte de Gastos, Help Desk, Notas de Reunion\)](#)
- ★ [Listado de Webinars](#)
- ★ [ROI Caso de Estudio](#)



# Community

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

The image shows a laptop screen with a white background. At the top, there's a dark header bar with the Microsoft logo and the text "Power Platform". Below this, the main content area has a light gray background. In the center, the text "Welcome to the Power Platform community" is displayed in a large, bold, black font. To the left, there's a yellow icon representing Power BI. To the right, there are two more icons: a purple one for PowerApps and a blue one for Microsoft Flow. Each icon is accompanied by its respective product name in bold capital letters. Below each product name is a brief description and a link to the community. The overall layout is clean and modern, designed to guide users to the various community resources available for the Power Platform.

IT WON'T FAIL BECAUSE OF ME

Home - Power Platform Commu x https://powerusers.microsoft.com

Microsoft | Power Platform

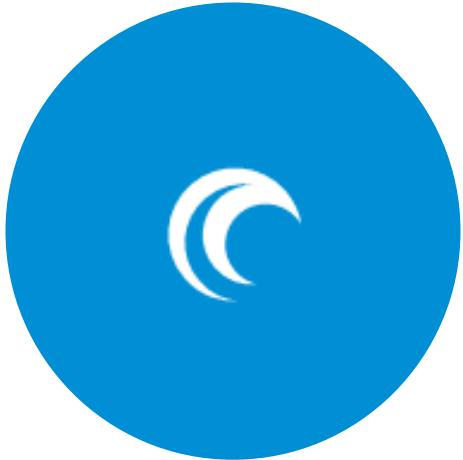
## Welcome to the Power Platform community

 **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 >](#)

# Sponsor



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fleitasarts.com



```
Locallyhost:port> python3 -m http.server 8000
[2020-07-21 10:40:08] 127.0.0.1 - - [21/Jul/2020:10:40:08] "GET / HTTP/1.1" 200 1136
Locallyhost:port> curl -X POST -H "Content-Type: application/json" -d '{"text": "Hello, world!"}' http://localhost:8000/api/messages
{"id": 1, "text": "Hello, world!", "user": "Locallyhost:port", "date": "2020-07-21T10:40:08Z"}[2020-07-21 10:40:08] 127.0.0.1 - - [21/Jul/2020:10:40:08] "POST /api/messages HTTP/1.1" 201 1136
Locallyhost:port>
```

# Evaluaciones de sesión

Su opinión es muy  
importante.



Este es el enlace:

fletiasarts.com

Envíe sus comentarios al final de esta presentación.

# Hiram Fleitas

Presidente Fleitas Arts



@hiramfleitas



hiram@fleitasarts.com



fleitasarts.com



/hfleitas



hiramfleitas

Gracias



# Comience ahora en PowerApps.com

Microsoft | PowerApps

Overview Pricing Partners Learn Community

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 >](#)

