

Power BI Fest 2019

Power Platform

The Game Changer

Hiram Fleitas

Download: github.com/hfleitas/pbifest2019





DBA2.o

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BIG News – PASS Summit 2019!

07/03/2019

Hiram

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

10/24/2019

Hiram

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

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



Link to Eval:

bit.ly/pbifest19

Your participation is very important.

Hiram Fleitas

Owner, Fleitas Arts



Bio

Father

Developer since 1995

SQL Server since 1999

Fleitas Arts, LLC since 2008

USCG Auxiliary Flotilla Staff Officer



 @hiramfleitas



 /hfeitas

 hiram@fleitasarts.com

 hiramfleitas

 fleitasarts.com



Agenda

1. Azure Data Studio Notebook
2. PowerApps
3. Microsoft Flow
4. Data Gateway
5. Siri
6. Publish & Share Security

DEMO

one

Azure Data Studio Notebook





LeadSQLNotebook.ipynb •



GameChanger > LeadSQLNotebook.ipynb

⊕ Code

⊕ Text

Kernel: SQL

Attach To: master (Windows Authent)

Not Trusted

Run Cells

Clear Results

Schedule Notebook

ADS Lead SQL Notebook

Created by @HiramFleitas



Create database on **localhost** SQL Server 2019 RC1

```
[23] 1 if db_id('FleitasArts') is null create database FleitasArts;
      2 go
```

Use DB and Drop Tables If Exists





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Use DB and Drop Tables If Exists

```
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;
```

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



master* 0 0 1 ▲ 0

<default>





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Code



Text



Kernel:



SQL



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Schedule Notebook



Add Tables

```
[10] 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)
```



LeadSQLNotebook.ipynb •
GameChanger > LeadSQLNotebook.ipynb

⊕ Code ⊕ Text Kernel: SQL ▾ Attach To: .., master (Windows Authent ▾ Not Trusted Run Cells Clear Results Schedule Notebook

```
[10] 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) default suser_name()
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()
```





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Code

Text

Kernel: SQL

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Clear Results

Schedule Notebook

```
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
```

Commands completed successfully.

Total execution time: 00:00:00.014



master* 0 0 ▲ 0





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Code

Text

Kernel: SQL

Attach To: .. FleitasArts (Windows Auth)

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Run Cells

Clear Results

Schedule Notebook

Add Data

```
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', 'r
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', 'fabia@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
```



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Code Text Kernel: SQL

Attach To: „FleitasArts (Windows Auth)

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Run Cells

Clear Results

Schedule Notebook

Get Tables

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

Commands completed successfully.

Total execution time: 00:00:00.126

	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





LeadSQLNotebook.ipynb ×



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+ Code

+ Text

Kernel: SQL

Attach To: „FleitasArts (Windows Auth)

Trusted

Run Cells

Clear Results

Schedule Notebook

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, ...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL
2	1002	Tony	wakeboard@live.com	401 E 65th St, Hialeah, FL 330...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL
3	1003	Jackie	hr@icloud.com	401 E 65th St, Hialeah, FL 330...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL
4	1004	Kim	ciovim@aol.com	700 Lake Dr, Boca Raton, FL 33...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL
5	1005	Fabina	fabi@aol.com	215 SE Spanish Trl, Boca Raton...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL
6	1006	Christina	csosa@live.com	13 Sunset Key Dr, Key West, FL...	0	UPCIC\hfleitas	2019-10-29 18:28:21.883	NULL	NULL

	TicketId	CustomerId	AcctNumEnding	Status	LeadId	CreatedBy	CreatedOn	ModifiedBy	ModifiedOn
1	2001	1	9256	0	1001	UPCIC\hfleitas	2019-10-29 18:28:21.890	NULL	NULL
2	2002	3	6401	0	1003	UPCIC\hfleitas	2019-10-29 18:28:21.890	NULL	NULL





LeadSQLNotebook.ipynb ×



GameChanger > LeadSQLNotebook.ipynb

Code

Text

Kernel: SQL

Attach To: „FleitasArts (Windows Auth)

Trusted

Run Cells

Clear Results

Schedule Notebook

Add CheckLead Proc

```
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            rollback transaction
29        end catch
30    end
31
32    if @CustomerId is not null and @AcctNumEnd is not null
33    begin
34        update Customer set AcctNumEnding = @AcctNumEnd
35        where CustomerId = @CustomerId
36    end
37
38    if @CustomerId is not null
39    begin
40        update Customer set Email = null
41        where CustomerId = @CustomerId
42    end
43
44    if @AcctNumEnd is not null
45    begin
46        update CustomerAccount set AcctNumEnding = null
47        where AcctNumEnd = @AcctNumEnd
48    end
49
50    if @CustomerId is not null
51    begin
52        update Customer set CustomerId = null
53        where CustomerId = @CustomerId
54    end
55
56    if @AcctNumEnd is not null
57    begin
58        update Ticket set AcctNumEnding = null
59        where AcctNumEnding = @AcctNumEnd
60    end
61
62    if @CustomerId is not null
63    begin
64        update #CheckLead set AcctNumEnd = null
65        where AcctNumEnd = @AcctNumEnd
66    end
67
68    if @AcctNumEnd is not null
69    begin
70        drop table #CheckLead
71    end
72
73    if @CustomerId is not null
74    begin
75        update Customer set CustomerId = null
76        where CustomerId = @CustomerId
77    end
78
79    if @AcctNumEnd is not null
80    begin
81        update CustomerAccount set AcctNumEnding = null
82        where AcctNumEnd = @AcctNumEnd
83    end
84
85    if @CustomerId is not null
86    begin
87        update Ticket set AcctNumEnding = null
88        where AcctNumEnding = @AcctNumEnd
89    end
90
91    if @AcctNumEnd is not null
92    begin
93        drop table #CheckLead
94    end
95
96    if @CustomerId is not null
97    begin
98        update Customer set Email = null
99        where CustomerId = @CustomerId
100    end
101
102    if @AcctNumEnd is not null
103    begin
104        update CustomerAccount set AcctNumEnding = null
105        where AcctNumEnd = @AcctNumEnd
106    end
107
108    if @CustomerId is not null
109    begin
110        update Ticket set AcctNumEnding = null
111        where AcctNumEnding = @AcctNumEnd
112    end
113
114    if @AcctNumEnd is not null
115    begin
116        drop table #CheckLead
117    end
118
119    if @CustomerId is not null
120    begin
121        update Customer set CustomerId = null
122        where CustomerId = @CustomerId
123    end
124
125    if @AcctNumEnd is not null
126    begin
127        update CustomerAccount set AcctNumEnding = null
128        where AcctNumEnd = @AcctNumEnd
129    end
130
131    if @CustomerId is not null
132    begin
133        update Ticket set AcctNumEnding = null
134        where AcctNumEnding = @AcctNumEnd
135    end
136
137    if @AcctNumEnd is not null
138    begin
139        drop table #CheckLead
140    end
141
142    if @CustomerId is not null
143    begin
144        update Customer set Email = null
145        where CustomerId = @CustomerId
146    end
147
148    if @AcctNumEnd is not null
149    begin
150        update CustomerAccount set AcctNumEnding = null
151        where AcctNumEnd = @AcctNumEnd
152    end
153
154    if @CustomerId is not null
155    begin
156        update Ticket set AcctNumEnding = null
157        where AcctNumEnding = @AcctNumEnd
158    end
159
160    if @AcctNumEnd is not null
161    begin
162        drop table #CheckLead
163    end
164
165    if @CustomerId is not null
166    begin
167        update Customer set CustomerId = null
168        where CustomerId = @CustomerId
169    end
170
171    if @AcctNumEnd is not null
172    begin
173        update CustomerAccount set AcctNumEnding = null
174        where AcctNumEnd = @AcctNumEnd
175    end
176
177    if @CustomerId is not null
178    begin
179        update Ticket set AcctNumEnding = null
180        where AcctNumEnding = @AcctNumEnd
181    end
182
183    if @AcctNumEnd is not null
184    begin
185        drop table #CheckLead
186    end
187
188    if @CustomerId is not null
189    begin
190        update Customer set Email = null
191        where CustomerId = @CustomerId
192    end
193
194    if @AcctNumEnd is not null
195    begin
196        update CustomerAccount set AcctNumEnding = null
197        where AcctNumEnd = @AcctNumEnd
198    end
199
200    if @CustomerId is not null
201    begin
202        update Ticket set AcctNumEnding = null
203        where AcctNumEnding = @AcctNumEnd
204    end
205
206    if @AcctNumEnd is not null
207    begin
208        drop table #CheckLead
209    end
210
211    if @CustomerId is not null
212    begin
213        update Customer set CustomerId = null
214        where CustomerId = @CustomerId
215    end
216
217    if @AcctNumEnd is not null
218    begin
219        update CustomerAccount set AcctNumEnding = null
220        where AcctNumEnd = @AcctNumEnd
221    end
222
223    if @CustomerId is not null
224    begin
225        update Ticket set AcctNumEnding = null
226        where AcctNumEnding = @AcctNumEnd
227    end
228
229    if @AcctNumEnd is not null
230    begin
231        drop table #CheckLead
232    end
233
234    if @CustomerId is not null
235    begin
236        update Customer set Email = null
237        where CustomerId = @CustomerId
238    end
239
240    if @AcctNumEnd is not null
241    begin
242        update CustomerAccount set AcctNumEnding = null
243        where AcctNumEnd = @AcctNumEnd
244    end
245
246    if @CustomerId is not null
247    begin
248        update Ticket set AcctNumEnding = null
249        where AcctNumEnding = @AcctNumEnd
250    end
251
252    if @AcctNumEnd is not null
253    begin
254        drop table #CheckLead
255    end
256
257    if @CustomerId is not null
258    begin
259        update Customer set CustomerId = null
260        where CustomerId = @CustomerId
261    end
262
263    if @AcctNumEnd is not null
264    begin
265        update CustomerAccount set AcctNumEnding = null
266        where AcctNumEnd = @AcctNumEnd
267    end
268
269    if @CustomerId is not null
270    begin
271        update Ticket set AcctNumEnding = null
272        where AcctNumEnding = @AcctNumEnd
273    end
274
275    if @AcctNumEnd is not null
276    begin
277        drop table #CheckLead
278    end
279
280    if @CustomerId is not null
281    begin
282        update Customer set Email = null
283        where CustomerId = @CustomerId
284    end
285
286    if @AcctNumEnd is not null
287    begin
288        update CustomerAccount set AcctNumEnding = null
289        where AcctNumEnd = @AcctNumEnd
290    end
291
292    if @CustomerId is not null
293    begin
294        update Ticket set AcctNumEnding = null
295        where AcctNumEnding = @AcctNumEnd
296    end
297
298    if @AcctNumEnd is not null
299    begin
300        drop table #CheckLead
301    end
302
303    if @CustomerId is not null
304    begin
305        update Customer set CustomerId = null
306        where CustomerId = @CustomerId
307    end
308
309    if @AcctNumEnd is not null
310    begin
311        update CustomerAccount set AcctNumEnding = null
312        where AcctNumEnd = @AcctNumEnd
313    end
314
315    if @CustomerId is not null
316    begin
317        update Ticket set AcctNumEnding = null
318        where AcctNumEnding = @AcctNumEnd
319    end
320
321    if @AcctNumEnd is not null
322    begin
323        drop table #CheckLead
324    end
325
326    if @CustomerId is not null
327    begin
328        update Customer set Email = null
329        where CustomerId = @CustomerId
330    end
331
332    if @AcctNumEnd is not null
333    begin
334        update CustomerAccount set AcctNumEnding = null
335        where AcctNumEnd = @AcctNumEnd
336    end
337
338    if @CustomerId is not null
339    begin
340        update Ticket set AcctNumEnding = null
341        where AcctNumEnding = @AcctNumEnd
342    end
343
344    if @AcctNumEnd is not null
345    begin
346        drop table #CheckLead
347    end
348
349    if @CustomerId is not null
350    begin
351        update Customer set CustomerId = null
352        where CustomerId = @CustomerId
353    end
354
355    if @AcctNumEnd is not null
356    begin
357        update CustomerAccount set AcctNumEnding = null
358        where AcctNumEnd = @AcctNumEnd
359    end
360
361    if @CustomerId is not null
362    begin
363        update Ticket set AcctNumEnding = null
364        where AcctNumEnding = @AcctNumEnd
365    end
366
367    if @AcctNumEnd is not null
368    begin
369        drop table #CheckLead
370    end
371
372    if @CustomerId is not null
373    begin
374        update Customer set Email = null
375        where CustomerId = @CustomerId
376    end
377
378    if @AcctNumEnd is not null
379    begin
380        update CustomerAccount set AcctNumEnding = null
381        where AcctNumEnd = @AcctNumEnd
382    end
383
384    if @CustomerId is not null
385    begin
386        update Ticket set AcctNumEnding = null
387        where AcctNumEnding = @AcctNumEnd
388    end
389
390    if @AcctNumEnd is not null
391    begin
392        drop table #CheckLead
393    end
394
395    if @CustomerId is not null
396    begin
397        update Customer set CustomerId = null
398        where CustomerId = @CustomerId
399    end
400
401    if @AcctNumEnd is not null
402    begin
403        update CustomerAccount set AcctNumEnding = null
404        where AcctNumEnd = @AcctNumEnd
405    end
406
407    if @CustomerId is not null
408    begin
409        update Ticket set AcctNumEnding = null
410        where AcctNumEnding = @AcctNumEnd
411    end
412
413    if @AcctNumEnd is not null
414    begin
415        drop table #CheckLead
416    end
417
418    if @CustomerId is not null
419    begin
420        update Customer set Email = null
421        where CustomerId = @CustomerId
422    end
423
424    if @AcctNumEnd is not null
425    begin
426        update CustomerAccount set AcctNumEnding = null
427        where AcctNumEnd = @AcctNumEnd
428    end
429
430    if @CustomerId is not null
431    begin
432        update Ticket set AcctNumEnding = null
433        where AcctNumEnding = @AcctNumEnd
434    end
435
436    if @AcctNumEnd is not null
437    begin
438        drop table #CheckLead
439    end
440
441    if @CustomerId is not null
442    begin
443        update Customer set CustomerId = null
444        where CustomerId = @CustomerId
445    end
446
447    if @AcctNumEnd is not null
448    begin
449        update CustomerAccount set AcctNumEnding = null
450        where AcctNumEnd = @AcctNumEnd
451    end
452
453    if @CustomerId is not null
454    begin
455        update Ticket set AcctNumEnding = null
456        where AcctNumEnding = @AcctNumEnd
457    end
458
459    if @AcctNumEnd is not null
460    begin
461        drop table #CheckLead
462    end
463
464    if @CustomerId is not null
465    begin
466        update Customer set Email = null
467        where CustomerId = @CustomerId
468    end
469
470    if @AcctNumEnd is not null
471    begin
472        update CustomerAccount set AcctNumEnding = null
473        where AcctNumEnd = @AcctNumEnd
474    end
475
476    if @CustomerId is not null
477    begin
478        update Ticket set AcctNumEnding = null
479        where AcctNumEnding = @AcctNumEnd
480    end
481
482    if @AcctNumEnd is not null
483    begin
484        drop table #CheckLead
485    end
486
487    if @CustomerId is not null
488    begin
489        update Customer set CustomerId = null
490        where CustomerId = @CustomerId
491    end
492
493    if @AcctNumEnd is not null
494    begin
495        update CustomerAccount set AcctNumEnding = null
496        where AcctNumEnd = @AcctNumEnd
497    end
498
499    if @CustomerId is not null
500    begin
501        update Ticket set AcctNumEnding = null
502        where AcctNumEnding = @AcctNumEnd
503    end
504
505    if @AcctNumEnd is not null
506    begin
507        drop table #CheckLead
508    end
509
510    if @CustomerId is not null
511    begin
512        update Customer set Email = null
513        where CustomerId = @CustomerId
514    end
515
516    if @AcctNumEnd is not null
517    begin
518        update CustomerAccount set AcctNumEnding = null
519        where AcctNumEnd = @AcctNumEnd
520    end
521
522    if @CustomerId is not null
523    begin
524        update Ticket set AcctNumEnding = null
525        where AcctNumEnding = @AcctNumEnd
526    end
527
528    if @AcctNumEnd is not null
529    begin
530        drop table #CheckLead
531    end
532
533    if @CustomerId is not null
534    begin
535        update Customer set CustomerId = null
536        where CustomerId = @CustomerId
537    end
538
539    if @AcctNumEnd is not null
540    begin
541        update CustomerAccount set AcctNumEnding = null
542        where AcctNumEnd = @AcctNumEnd
543    end
544
545    if @CustomerId is not null
546    begin
547        update Ticket set AcctNumEnding = null
548        where AcctNumEnding = @AcctNumEnd
549    end
550
551    if @AcctNumEnd is not null
552    begin
553        drop table #CheckLead
554    end
555
556    if @CustomerId is not null
557    begin
558        update Customer set Email = null
559        where CustomerId = @CustomerId
560    end
561
562    if @AcctNumEnd is not null
563    begin
564        update CustomerAccount set AcctNumEnding = null
565        where AcctNumEnd = @AcctNumEnd
566    end
567
568    if @CustomerId is not null
569    begin
570        update Ticket set AcctNumEnding = null
571        where AcctNumEnding = @AcctNumEnd
572    end
573
574    if @AcctNumEnd is not null
575    begin
576        drop table #CheckLead
577    end
578
579    if @CustomerId is not null
580    begin
581        update Customer set CustomerId = null
582        where CustomerId = @CustomerId
583    end
584
585    if @AcctNumEnd is not null
586    begin
587        update CustomerAccount set AcctNumEnding = null
588        where AcctNumEnd = @AcctNumEnd
589    end
590
591    if @CustomerId is not null
592    begin
593        update Ticket set AcctNumEnding = null
594        where AcctNumEnding = @AcctNumEnd
595    end
596
597    if @AcctNumEnd is not null
598    begin
599        drop table #CheckLead
600    end
601
602    if @CustomerId is not null
603    begin
604        update Customer set Email = null
605        where CustomerId = @CustomerId
606    end
607
608    if @AcctNumEnd is not null
609    begin
610        update CustomerAccount set AcctNumEnding = null
611        where AcctNumEnd = @AcctNumEnd
612    end
613
614    if @CustomerId is not null
615    begin
616        update Ticket set AcctNumEnding = null
617        where AcctNumEnding = @AcctNumEnd
618    end
619
620    if @AcctNumEnd is not null
621    begin
622        drop table #CheckLead
623    end
624
625    if @CustomerId is not null
626    begin
627        update Customer set CustomerId = null
628        where CustomerId = @CustomerId
629    end
630
631    if @AcctNumEnd is not null
632    begin
633        update CustomerAccount set AcctNumEnding = null
634        where AcctNumEnd = @AcctNumEnd
635    end
636
637    if @CustomerId is not null
638    begin
639        update Ticket set AcctNumEnding = null
640        where AcctNumEnding = @AcctNumEnd
641    end
642
643    if @AcctNumEnd is not null
644    begin
645        drop table #CheckLead
646    end
647
648    if @CustomerId is not null
649    begin
650        update Customer set Email = null
651        where CustomerId = @CustomerId
652    end
653
654    if @AcctNumEnd is not null
655    begin
656        update CustomerAccount set AcctNumEnding = null
657        where AcctNumEnd = @AcctNumEnd
658    end
659
660    if @CustomerId is not null
661    begin
662        update Ticket set AcctNumEnding = null
663        where AcctNumEnding = @AcctNumEnd
664    end
665
666    if @AcctNumEnd is not null
667    begin
668        drop table #CheckLead
669    end
670
671    if @CustomerId is not null
672    begin
673        update Customer set CustomerId = null
674        where CustomerId = @CustomerId
675    end
676
677    if @AcctNumEnd is not null
678    begin
679        update CustomerAccount set AcctNumEnding = null
680        where AcctNumEnd = @AcctNumEnd
681    end
682
683    if @CustomerId is not null
684    begin
685        update Ticket set AcctNumEnding = null
686        where AcctNumEnding = @AcctNumEnd
687    end
688
689    if @AcctNumEnd is not null
690    begin
691        drop table #CheckLead
692    end
693
694    if @CustomerId is not null
695    begin
696        update Customer set Email = null
697        where CustomerId = @CustomerId
698    end
699
700    if @AcctNumEnd is not null
701    begin
702        update CustomerAccount set AcctNumEnding = null
703        where AcctNumEnd = @AcctNumEnd
704    end
705
706    if @CustomerId is not null
707    begin
708        update Ticket set AcctNumEnding = null
709        where AcctNumEnding = @AcctNumEnd
710    end
711
712    if @AcctNumEnd is not null
713    begin
714        drop table #CheckLead
715    end
716
717    if @CustomerId is not null
718    begin
719        update Customer set CustomerId = null
720        where CustomerId = @CustomerId
721    end
722
723    if @AcctNumEnd is not null
724    begin
725        update CustomerAccount set AcctNumEnding = null
726        where AcctNumEnd = @AcctNumEnd
727    end
728
729    if @CustomerId is not null
730    begin
731        update Ticket set AcctNumEnding = null
732        where AcctNumEnding = @AcctNumEnd
733    end
734
735    if @AcctNumEnd is not null
736    begin
737        drop table #CheckLead
738    end
739
740    if @CustomerId is not null
741    begin
742        update Customer set Email = null
743        where CustomerId = @CustomerId
744    end
745
746    if @AcctNumEnd is not null
747    begin
748        update CustomerAccount set AcctNumEnding = null
749        where AcctNumEnd = @AcctNumEnd
750    end
751
752    if @CustomerId is not null
753    begin
754        update Ticket set AcctNumEnding = null
755        where AcctNumEnding = @AcctNumEnd
756    end
757
758    if @AcctNumEnd is not null
759    begin
760        drop table #CheckLead
761    end
762
763    if @CustomerId is not null
764    begin
765        update Customer set CustomerId = null
766        where CustomerId = @CustomerId
767    end
768
769    if @AcctNumEnd is not null
770    begin
771        update CustomerAccount set AcctNumEnding = null
772        where AcctNumEnd = @AcctNumEnd
773    end
774
775    if @CustomerId is not null
776    begin
777        update Ticket set AcctNumEnding = null
778        where AcctNumEnding = @AcctNumEnd
779    end
780
781    if @AcctNumEnd is not null
782    begin
783        drop table #CheckLead
784    end
785
786    if @CustomerId is not null
787    begin
788        update Customer set Email = null
789        where CustomerId = @CustomerId
790    end
791
792    if @AcctNumEnd is not null
793    begin
794        update CustomerAccount set AcctNumEnding = null
795        where AcctNumEnd = @AcctNumEnd
796    end
797
798    if @CustomerId is not null
799    begin
800        update Ticket set AcctNumEnding = null
801        where AcctNumEnding = @AcctNumEnd
802    end
803
804    if @AcctNumEnd is not null
805    begin
806        drop table #CheckLead
807    end
808
809    if @CustomerId is not null
810    begin
811        update Customer set CustomerId = null
812        where CustomerId = @CustomerId
813    end
814
815    if @AcctNumEnd is not null
816    begin
817        update CustomerAccount set AcctNumEnding = null
818        where AcctNumEnd = @AcctNumEnd
819    end
820
821    if @CustomerId is not null
822    begin
823        update Ticket set AcctNumEnding = null
824        where AcctNumEnding = @AcctNumEnd
825    end
826
827    if @AcctNumEnd is not null
828    begin
829        drop table #CheckLead
830    end
831
832    if @CustomerId is not null
833    begin
834        update Customer set Email = null
835        where CustomerId = @CustomerId
836    end
837
838    if @AcctNumEnd is not null
839    begin
840        update CustomerAccount set AcctNumEnding = null
841        where AcctNumEnd = @AcctNumEnd
842    end
843
844    if @CustomerId is not null
845    begin
846        update Ticket set AcctNumEnding = null
847        where AcctNumEnding = @AcctNumEnd
848    end
849
850    if @AcctNumEnd is not null
851    begin
852        drop table #CheckLead
853    end
854
855    if @CustomerId is not null
856    begin
857        update Customer set CustomerId = null
858        where CustomerId = @CustomerId
859    end
860
861    if @AcctNumEnd is not null
862    begin
863        update CustomerAccount set AcctNumEnding = null
864        where AcctNumEnd = @AcctNumEnd
865    end
866
867    if @CustomerId is not null
868    begin
869        update Ticket set AcctNumEnding = null
870        where AcctNumEnding = @AcctNumEnd
871    end
872
873    if @AcctNumEnd is not null
874    begin
875        drop table #CheckLead
876    end
877
878    if @CustomerId is not null
879    begin
880        update Customer set Email = null
881        where CustomerId = @CustomerId
882    end
883
884    if @AcctNumEnd is not null
885    begin
886        update CustomerAccount set AcctNumEnding = null
887        where AcctNumEnd = @AcctNumEnd
888    end
889
890    if @CustomerId is not null
891    begin
892        update Ticket set AcctNumEnding = null
893        where AcctNumEnding = @AcctNumEnd
894    end
895
896    if @AcctNumEnd is not null
897    begin
898        drop table #CheckLead
899    end
900
901    if @CustomerId is not null
902    begin
903        update Customer set CustomerId = null
904        where CustomerId = @CustomerId
905    end
906
907    if @AcctNumEnd is not null
908    begin
909        update CustomerAccount set AcctNumEnding = null
910        where AcctNumEnd = @AcctNumEnd
911    end
912
913    if @CustomerId is not null
914    begin
915        update Ticket set AcctNumEnding = null
916        where AcctNumEnding = @AcctNumEnd
917    end
918
919    if @AcctNumEnd is not null
920    begin
921        drop table #CheckLead
922    end
923
924    if @CustomerId is not null
925    begin
926        update Customer set Email = null
927        where CustomerId = @CustomerId
928    end
929
930    if @AcctNumEnd is not null
931    begin
932        update CustomerAccount set AcctNumEnding = null
933        where AcctNumEnd = @AcctNumEnd
934    end
935
936    if @CustomerId is not null
937    begin
938        update Ticket set AcctNumEnding = null
939        where AcctNumEnding = @AcctNumEnd
940    end
941
942    if @AcctNumEnd is not null
943    begin
944        drop table #CheckLead
945    end
946
947    if @CustomerId is not null
948    begin
949        update Customer set CustomerId = null
950        where CustomerId = @CustomerId
951    end
952
953    if @AcctNumEnd is not null
954    begin
955        update CustomerAccount set AcctNumEnding = null
956        where AcctNumEnd = @AcctNumEnd
957    end
958
959    if @CustomerId is not null
960    begin
961        update Ticket set AcctNumEnding = null
962        where AcctNumEnding = @AcctNumEnd
963    end
964
965    if @AcctNumEnd is not null
966    begin
967        drop table #CheckLead
968    end
969
970    if @CustomerId is not null
971    begin
972        update Customer set Email = null
973        where CustomerId = @CustomerId
974    end
975
976    if @AcctNumEnd is not null
977    begin
978        update CustomerAccount set AcctNumEnding = null
979        where AcctNumEnd = @AcctNumEnd
980    end
981
982    if @CustomerId is not null
983    begin
984        update Ticket set AcctNumEnding = null
985        where AcctNumEnding = @AcctNumEnd
986    end
987
988    if @AcctNumEnd is not null
989    begin
990        drop table #CheckLead
991    end
992
993    if @CustomerId is not null
994    begin
995        update Customer set CustomerId = null
996        where CustomerId = @CustomerId
997    end
998
999    if @AcctNumEnd is not null
1000    begin
1001        update CustomerAccount set AcctNumEnding = null
1002        where AcctNumEnd = @AcctNumEnd
1003    end
1004
1005    if @CustomerId is not null
1006    begin
1007        update Ticket set AcctNumEnding = null
1008        where AcctNumEnding = @AcctNumEnd
1009    end
1010
1011    if @AcctNumEnd is not null
1012    begin
1013        drop table #CheckLead
1014    end
1015
1016    if @CustomerId is not null
1017    begin
1018        update Customer set Email = null
1019        where CustomerId = @CustomerId
1020    end
1021
1022    if @AcctNumEnd is not null
1023    begin
1024        update CustomerAccount set AcctNumEnding = null
1025        where AcctNumEnd = @AcctNumEnd
1026    end
1027
1028    if @CustomerId is not null
1029    begin
1030        update Ticket set AcctNumEnding = null
1031        where AcctNumEnding = @AcctNumEnd
1032    end
1033
1034    if @AcctNumEnd is not null
1035    begin
1036        drop table #CheckLead
1037    end
1038
1039    if @CustomerId is not null
1040    begin
1041        update Customer set CustomerId = null
1042        where CustomerId = @CustomerId
1043    end
1044
1045    if @AcctNumEnd is not null
1046    begin
1047        update CustomerAccount set AcctNumEnding = null
1048        where AcctNumEnd = @AcctNumEnd
1049    end
1050
1051    if @CustomerId is not null
1052    begin
1053        update Ticket set AcctNumEnding = null
1054        where AcctNumEnding = @AcctNumEnd
1055    end
1056
1057    if @AcctNumEnd is not null
1058    begin
1059        drop table #CheckLead
1060    end
1061
1062    if @CustomerId is not null
1063    begin
1064        update Customer set Email = null
1065        where CustomerId = @CustomerId
1066    end
1067
1068    if @AcctNumEnd is not null
1069    begin
1070        update CustomerAccount set AcctNumEnding = null
1071        where AcctNumEnd = @AcctNumEnd
1072    end
1073
1074    if @CustomerId is not null
1075    begin
1076        update Ticket set AcctNumEnding = null
1077        where AcctNumEnding = @AcctNumEnd
1078    end
1079
1080    if @AcctNumEnd is not null
1081    begin
1082        drop table #CheckLead
1083    end
1084
1085    if @CustomerId is not null
1086    begin
1087        update Customer set CustomerId = null
1088        where CustomerId = @CustomerId
1089    end
1090
1091    if @AcctNumEnd is not null
1092    begin
1093        update CustomerAccount set AcctNumEnding = null
1094        where AcctNumEnd = @AcctNumEnd
1095    end
1096
1097    if @CustomerId is not null
1098    begin
1099        update Ticket set AcctNumEnding = null
1100        where AcctNumEnding = @AcctNumEnd
1101    end
1102
1103    if @AcctNumEnd is not null
1104    begin
1105        drop table #CheckLead
1106    end
1107
1108    if @CustomerId is not null
1109    begin
1110        update Customer set Email = null
1111        where CustomerId = @CustomerId
1112    end
1113
1114    if @AcctNumEnd is not null
1115    begin
1116        update CustomerAccount set AcctNumEnding = null
1117        where AcctNumEnd = @AcctNumEnd
1118    end
1119
1120    if @CustomerId is not null
1121    begin
1122        update Ticket set AcctNumEnding = null
1123        where AcctNumEnding = @AcctNumEnd
1124    end
1125
1126    if @AcctNumEnd is not null
1127    begin
1128        drop table #CheckLead
1129    end
1130
1131    if @CustomerId is not null
1132    begin
1133        update Customer set CustomerId = null
1134        where CustomerId = @CustomerId
1135    end
1136
1137    if @AcctNumEnd is not null
1138    begin
1139        update CustomerAccount set AcctNumEnding = null
1140        where AcctNumEnd = @AcctNumEnd
1141    end
1142
1143    if @CustomerId is not null
1144    begin
1145        update Ticket set AcctNumEnding = null
1146        where AcctNumEnding = @AcctNumEnd
1147    end
1148
1149    if @AcctNumEnd is not null
1150    begin
1151        drop table #CheckLead
1152    end
1153
1154    if @CustomerId is not null
1155    begin
1156        update Customer set Email = null
1157        where CustomerId = @CustomerId
1158    end
1159
1160    if @AcctNumEnd is not null
1161    begin
1162        update CustomerAccount set AcctNumEnding = null
1163        where AcctNumEnd = @AcctNumEnd
1164    end
1165
1166    if @CustomerId is not null
1167    begin
1168        update Ticket set AcctNumEnding = null
1169        where AcctNumEnding = @AcctNumEnd
1170    end
1171
1172    if @AcctNumEnd is not null
1173    begin
1174        drop table #CheckLead
1175    end
1176
1177    if @CustomerId is not null
1178    begin
1179        update Customer set CustomerId = null
1180        where CustomerId = @CustomerId
1181    end
1182
1183    if @AcctNumEnd is not null
1184    begin
1185        update CustomerAccount set AcctNumEnding = null
1186        where AcctNumEnd = @AcctNumEnd
1187    end
1188
1189    if @CustomerId is not null
1190    begin
1191        update Ticket set AcctNumEnding = null
1192        where AcctNumEnding = @AcctNumEnd
1193    end
1194
1195    if @AcctNumEnd is not null
1196    begin
1197        drop table #CheckLead
1198    end
1199
1200    if @CustomerId is not null
1201    begin
1202        update Customer set Email = null
1203        where CustomerId = @CustomerId
1204    end
1205
1206    if @AcctNumEnd is not null
1207    begin
1208        update CustomerAccount set AcctNumEnding = null
1209        where AcctNumEnd = @AcctNumEnd
1210    end
1211
1212    if @CustomerId is not null
1213    begin
1214        update Ticket set AcctNumEnding = null
1215        where AcctNumEnding = @AcctNumEnd
1216    end
1217
1218    if @AcctNumEnd is not null
1219    begin
1220        drop table #CheckLead
1221    end
1222
1223    if @CustomerId is not null
1224    begin
1225        update Customer set CustomerId = null
1226        where CustomerId = @CustomerId
1227    end
1228
1229    if @AcctNumEnd is not null
1230    begin
1231        update CustomerAccount set AcctNumEnding = null
1232        where AcctNumEnd = @AcctNumEnd
1233    end
1234
1235    if @CustomerId is not null
1236    begin
1237        update Ticket set AcctNumEnding = null
1238        where AcctNumEnding = @AcctNumEnd
1239    end
1240
1241    if @AcctNumEnd is not null
1242    begin
1243        drop table #CheckLead
1244    end
1245
1246    if @CustomerId is not null
1247    begin
1248        update Customer set Email = null
1249        where CustomerId = @CustomerId
1250    end
1251
1252    if @AcctNumEnd is not null
1253    begin
1254        update CustomerAccount set AcctNumEnding = null
1255        where AcctNumEnd = @AcctNumEnd
1256    end
1257
1258    if @CustomerId is not null
1259    begin
1260        update Ticket set AcctNumEnding = null
1261        where AcctNumEnding = @AcctNumEnd
1262    end
1263
1264    if @AcctNumEnd is not null
1265    begin
1266        drop table #CheckLead
1267    end
1268
1269    if @CustomerId is not null
1270    begin
1271        update Customer set CustomerId = null
1272        where CustomerId = @CustomerId
1273    end
1274
1275    if @Ac
```



LeadSQLNotebook.ipynb •



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+ Code

+ Text

Kernel: SQL

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Clear Results

Schedule Notebook

```
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.

Commands completed successfully.

Total execution time: 00:00:00.062

	TicketId	LeadId
1	2001	1001

	TicketId	LeadId
1	2002	1003





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Schedule Notebook

Add LinkLead Proc

```
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;
```



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+ Code

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Kernel: SQL

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Clear Results

Schedule Notebook

```
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.

Commands completed successfully.

Total execution time: 00:00:00.030

	TicketId	CustomerId	LeadId	Status	CreatedBy	CreatedOn	ModifiedBy
1	2003	NULL	1002	0	UPCIC\hfleitas	2019-10-29 18:52:40.357	NULL



master* 0 0 ▲ 0





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Code Text Kernel: SQL

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Schedule Notebook

Add DeleteLead Proc

```
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';
```





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+ Text

Kernel: SQL

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Clear Results

Schedule Notebook

```
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.

Commands completed successfully.

Total execution time: 00:00:00.027

	Msg	LeadId	TicketId
1	Deleted:	1003	2002





LeadSQLNotebook.ipynb •



GameChanger > LeadSQLNotebook.ipynb

Code

Text

Kernel: SQL

Attach To: „FleitasArts (Windows Auth)

Trusted

Run Cells

Clear Results

Schedule Notebook

Add AddLead Proc

```
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.



master* 0 0 ▲ 0





LeadSQLNotebook.ipynb •



GameChanger > LeadSQLNotebook.ipynb

⊕ Code

⊕ Text

Kernel: SQL

Attach To: „FleitasArts (Windows Auth

Trusted

Run Cells

Clear Results

Schedule Notebook

```
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.

Commands completed successfully.

Total execution time: 00:00:00.061

	(No column name)
1	1007

	LeadId	Name	Email	Address
1	1007	Ryan	ryan@outlook.com	750 Lake Dr, Boca Raton, FL 33...





LeadSQLNotebook.ipynb ×



GameChanger > LeadSQLNotebook.ipynb

Code Text Kernel: SQL

Attach To: , FleitasArts (Windows Auth)

Trusted

Run Cells

Clear Results

Schedule Notebook

🔒 Creds

```
1 --Win Auth
2 use master
3 go
4 if suser_sid('FleitasArts\Leads') is null
5 begin
6     create login [FleitasArts\Leads] from windows with default_database = [tempdb];
7 end
8 use FleitasArts
9 go
10 if user_id('FleitasArts\Leads') is null
11 begin
12     create user [FleitasArts\Leads] for login [FleitasArts\Leads];
13 end
14 alter role [db_datareader] add member [FleitasArts\Leads];
15 alter role [db_datawriter] add member [FleitasArts\Leads];
16 grant execute to [FleitasArts\Leads];
17 go
18
19 --SQL Auth
20 use master
21 go
22 if suser_id('Leads') is null
23 begin
24     create login [Leads] with password = N'redacted',
25             default_database = [tempdb],
26             check_expiration = off,
27             check_policy = off.
```



master* 0 0 0





LeadSQLNotebook.ipynb X



GameChanger > LeadSQLNotebook.ipynb

⊕ Code

⊕ Text

Kernel: SQL

Attach To: „FleitasArts (Windows Auth”

Trusted

Run Cells

Clear Results

Schedule Notebook

```
7 end
8 use FleitasArts
9 go
10 if user_id('FleitasArts\Leads') is null
11 begin
12     create user [FleitasArts\Leads] for login [FleitasArts\Leads];
13 end
14 alter role [db_datareader] add member [FleitasArts\Leads];
15 alter role [db_datawriter] add member [FleitasArts\Leads];
16 grant execute to [FleitasArts\Leads];
17 go
18
19 --SQL Auth
20 use master
21 go
22 if suser_id('Leads') is null
23 begin
24     create login [Leads] with password = N'redacted',
25         default_database = [tempdb],
26         check_expiration = off,
27         check_policy = off;
28 end
29 use FleitasArts
30 go
31 if user_id('Leads') is null
32 begin
33     create user Leads for login Leads;
34 end
35 alter role [db_datareader] add member [Leads];
36 grant execute to Leads;
37 go
```



DEMO

two PowerApps

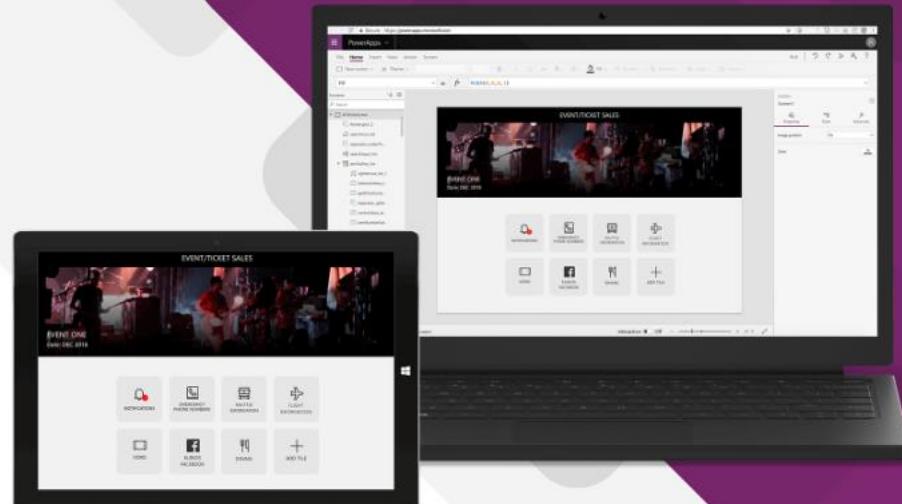


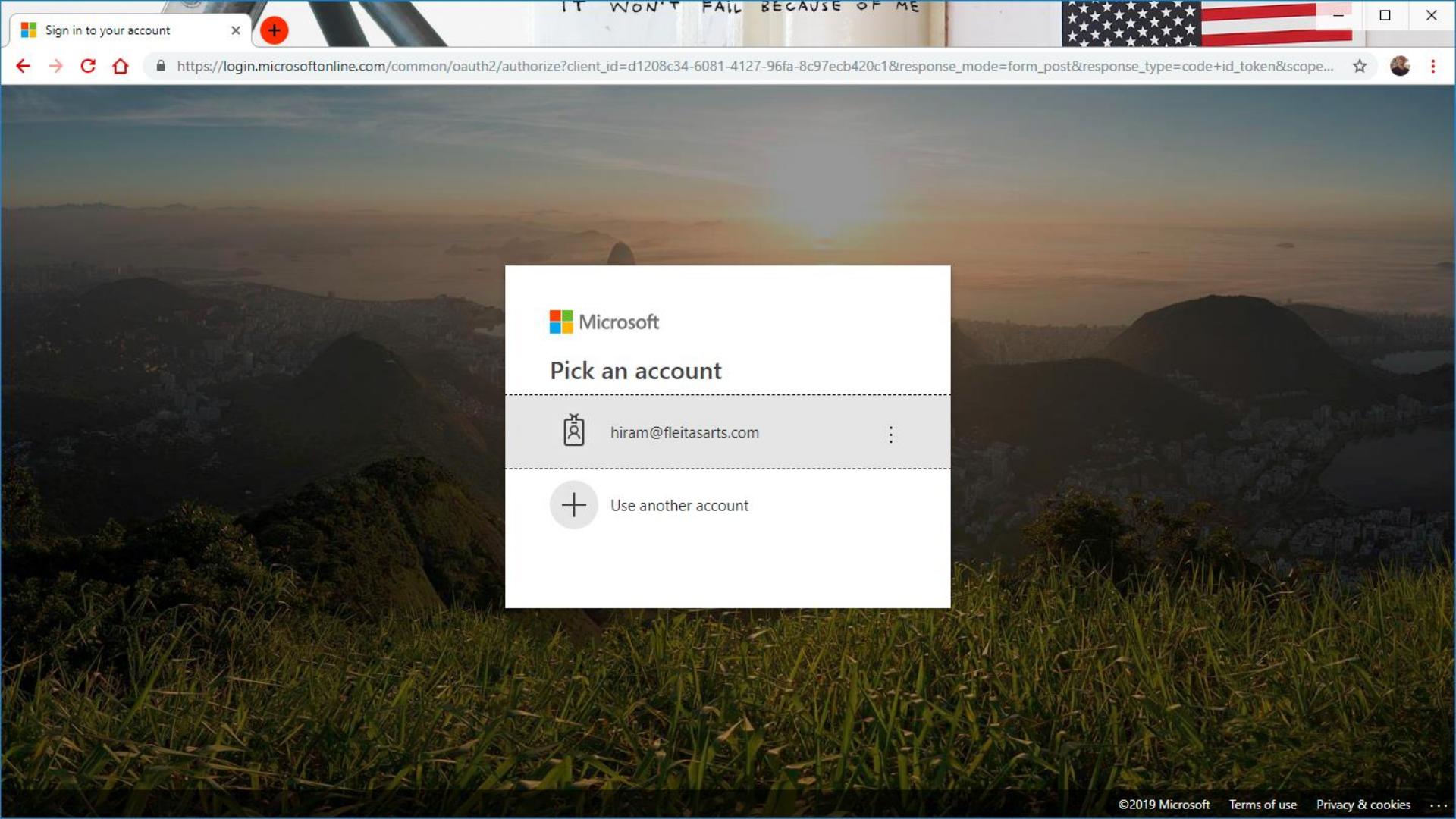


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Sign in to your account

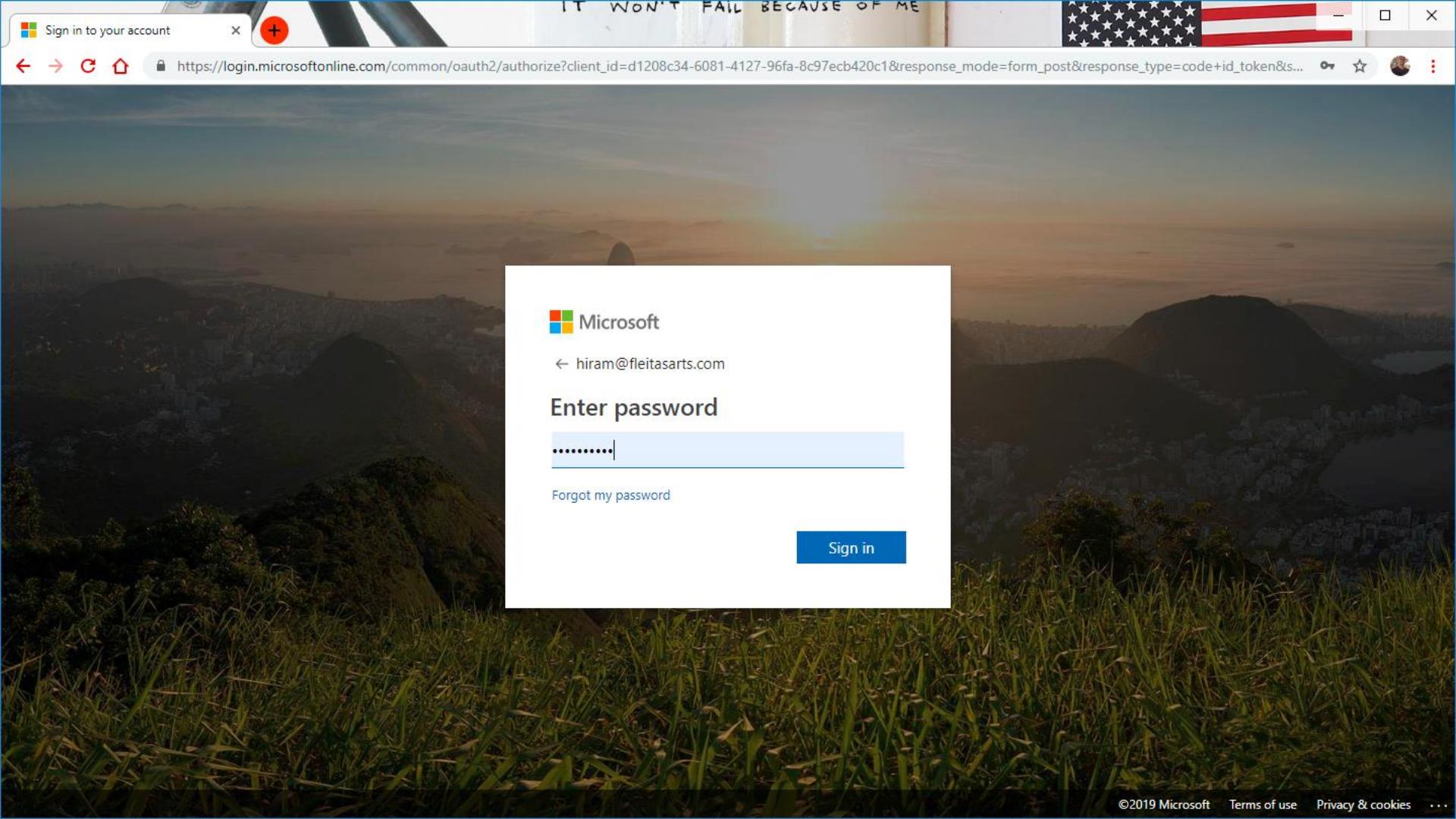


IT WON'T FAIL BECAUSE OF ME



https://login.microsoftonline.com/common/oauth2/authorize?client_id=d1208c34-6081-4127-96fa-8c97ecb420c1&response_mode=form_post&response_type=code+id_token&scope...





Sign in to your account



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&s...



← hiram@fleitasarts.com

Enter password

.....|

[Forgot my password](#)

Sign in

IT WON'T FAIL BECAUSE OF ME

PowerApps

make.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/home

Apps Popular Fleitas Arts Education USCG UPCIC Dba2.0 – Get data f... MD Cheatsheet Code Tags Other bookmarks

PowerApps

Environment fleitasarts.com (default)

Home

Build business apps, fast

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Make your own app

Canvas app from blank

Model-driven app from blank

Portal from blank

Start from data

All templates →

Recent apps Shared with me

Name	Modified	Owner	Type
iss25544	1 wk ago	Hiram Fleitas	Canvas
PowerAppsRLS	2 wk ago	Hiram Fleitas	Canvas
Leads	4 mo ago	Hiram Fleitas	Canvas

All apps →



Build a Canvas app from blank

App name *

Leads

Format

 Tablet
 Phone

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

[All templates →](#)[Canvas app](#)[Create](#)[Cancel](#)

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

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

New screen Theme Fill Reorder Align Group ?

Fill = 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 Select an image... Image position Fit

Screen1 - 30% ↕

This screenshot shows the Microsoft PowerApps Studio interface. At the top, there are two tabs: 'Microsoft PowerApps' and 'Leads - PowerApps'. The main title bar says 'IT WON'T FAIL BECAUSE OF ME' with an American flag icon. The navigation bar includes 'File', 'Home' (which is selected), 'Insert', 'View', 'Action', 'Leads', and various icons for theme, fill, reordering, alignment, grouping, and help. Below the navigation is a toolbar with buttons for 'New screen', 'Theme', 'Fill' (set to 'Fill'), 'Reorder', 'Align', 'Group', and a question mark. A color palette shows 'Fill' set to 'RGB(255, 255, 255, 1)'. On the left, a 'Screens' sidebar lists 'Search', 'App', and 'Screen1' (which is selected). The central area displays a 'Welcome to PowerApps Studio' dialog box with a purple header. It contains text about starting a new app, three buttons ('Create a form', 'Create a gallery', 'Take an interactive tour'), and two checkboxes at the bottom ('Don't show me this again' and a 'Skip' button with a green border). To the right of the dialog is the 'Properties' panel for 'Screen1', showing tabs for 'Properties' (selected), 'Rules', and 'Advanced', and settings for 'Fill' and 'Background image'. The bottom of the screen shows a zoom level of '30%'.

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

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

New screen Theme Fill Reorder Align Group

Fill = f_x RGBA(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 45 %

This screenshot shows the Microsoft PowerApps Studio interface. At the top, there are two tabs: "Microsoft PowerApps" and "Leads - PowerApps". A red circle with a plus sign is positioned between them. The main title bar says "IT WON'T FAIL BECAUSE OF ME". On the right side, there's a small American flag icon. The top navigation bar includes "File", "Home" (which is bolded), "Insert", "View", "Action", "Leads", and various icons for "New screen", "Theme", "Fill", "Reorder", "Align", and "Group". Below the navigation bar is a toolbar with buttons for "Fill" (set to "Fill"), "Background image" (button with a camera icon), and "Image position" (set to "Fit"). The central workspace is currently empty. To the left, a "Tree view" sidebar shows a hierarchy: "App" (selected) and "Screen1". A search bar is also present in the sidebar. On the right, a "Properties" panel is open for "Screen1", showing tabs for "Properties" (selected), "Rules", and "Advanced". Under "Properties", there are fields for "Fill" (set to "Fill"), "Background image" (with a "Select an image..." button), and "Image position" (set to "Fit"). The bottom of the screen shows a zoom control at "45%".

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

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action

New screen Label Button Text Controls Gall

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

Tree view X

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 Charts Icons

Image Camera Barcode scanner Video Audio Microphone Add picture

SCREEN Screen1 Properties Rules Advanced

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

Screen1 45 %

The screenshot shows the Microsoft PowerApps Studio interface. At the top, there are two tabs: 'Microsoft PowerApps' and 'Leads - PowerApps'. A red circle with a plus sign is positioned between them. The main title bar says 'IT WON'T FAIL BECAUSE OF ME' with an American flag graphic. The navigation bar includes 'File', 'Home', 'Insert' (which is currently selected), 'View', and 'Action'. Below the navigation bar is a toolbar with icons for 'New screen', 'Label', 'Button', 'Text', 'Controls', and 'Gall'. A color palette shows 'Fill' set to white and 'Stroke' set to 'RGBA(255, 255, 255, 1)'. On the left, a tree view pane titled 'Tree view' shows a search bar and items for 'App' and 'Screen1'. The main workspace is currently empty. A context menu is open over the workspace, with the 'Image' option highlighted and surrounded by a green box. The menu also lists 'Media', 'Charts', and 'Icons'. To the right of the workspace, the 'Properties' panel is open for 'SCREEN Screen1', showing tabs for 'Properties', 'Rules', and 'Advanced'. Under 'Properties', 'Fill' is set to white, 'Background image' is set to 'Select an image...', and 'Image position' is set to 'Fit'. The bottom of the screen shows a zoom slider at '45%'.

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

PowerApps Environment fleitasarts.com (default)

File Home Insert View Action Leads

Data sources Media Collections Variables Advanced

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

Tree view X

Search

App

Screen1

Image1

Screen1

Data X

+ Add data source

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

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

This screenshot shows the Microsoft PowerApps Studio interface. At the top, there are two tabs: "Microsoft PowerApps" and "Leads - PowerApps". A banner with the text "IT WON'T FAIL BECAUSE OF ME" and an American flag graphic is visible. The main menu includes File, Home, Insert, View (which is selected), and Action. Below the menu, there are tabs for Data sources, Media, Collections, Variables, and Advanced. The "View" tab has a dropdown set to "Fill" and a color picker set to "RGBA(255, 255, 255, 1)". On the left, a "Tree view" sidebar shows the structure of the app: "App" contains "Screen1", which in turn contains "Image1". The "Data" panel on the right is titled "SCREEN Screen1" and shows the "Properties" tab selected. It includes fields for "Fill" (set to "Background image" with a "Select an image..." button), "Background image" (with a dropdown menu), and "Image position" (set to "Fit"). A note at the bottom states "There aren't any data sources connected to this app." The overall interface is clean and modern, designed for building mobile and web applications.

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

PowerApps

File Home Insert View Action

Data sources Media Collections Variables Advanced

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

Tree view

- App
- Screen1
 - Image1

Search

Screen1

Leads

Environment
fleitasarts.com (default)

?

Fill

SCREEN Screen1

Properties Rules Advanced

Background image Select an image...

Image position Fit

Data

Search

New connection Refresh

- Import from Excel Add static data to your app
- Notifications Notifications
- Office 365 Outlook hleitas@universalproperty.com
- Office 365 Users hleitas@universalproperty.com
- Office 365 Users hiam@fleitasarts.com

IT WON'T FAIL BECAUSE OF ME

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 X

Search App Screen1 Image1

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: 0

Screen1 Image1 45% ↕

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 Image1

IMAGE Image1 Properties Rules Advanced

BorderColor: RGBA(0, 18, 107, 1)

RadiusTopLeft: Image1.Height

RadiusTopRight: Image1.Height

RadiusBottomLeft: Image1.Height

RadiusBottomRight: Image1.Height

DisabledBorderColor: RGBA(166, 166, 166, 1)

PressedBorderColor: ColorFade(Image1.BorderColor, -20%)

HoverBorderColor: ColorFade(Image1.BorderColor, 20%)

BorderThickness: 0

Screen1 Image1 45% ↻



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 X

Search

App

Screen1

UserPhoto

Image

UserPhoto

Properties Rules Advanced

RadiusTopLeft UserPhoto.Height

RadiusTopRight UserPhoto.Height

RadiusBottomLeft UserPhoto.Height

RadiusBottomRight UserPhoto.Height

RadiusBottomRight UserPhoto.Height

DisabledBorderColor RGBA(166, 166, 166, 1)

PressedBorderColor ColorFade(UserPhoto.BorderColor, -20%)

HoverBorderColor ColorFade(UserPhoto.BorderColor, 20%)

BorderThickness 0

FocusedBorderColor

Screen1 UserPhoto

40 %

A green box highlights the "Advanced" tab and the "RadiusTopLeft" through "RadiusBottomRight" properties.



Save as

New

Open

Account

Connections

Flows

App settings

Save

Save as

Share

Collections

Media

Variables

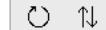
The cloud
Save to PowerAppsThis computer
Save a copy to my computer

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

New

Open

Account

Connections ▾

Flows ▾

App settings

Save

Save as

Share ▾

Collections

Media

Variables

The cloud
Save to PowerAppsThis computer
Save a copy to my computer

Leads

This app will be saved in the environment [fleitasarts.com \(default\)](#).

My apps



Saving to PowerApps



Search ...



There aren't any apps saved here.

Save



Save

Leads

Environment: fleitasarts.com (default)

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

All changes are saved.

[Share this app](#)[See all versions](#)

App settings

Save

Save as

Share

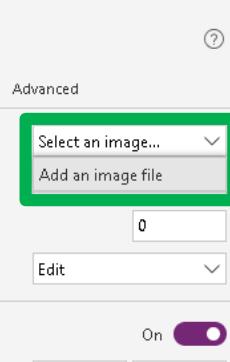
Collections

Media

Variables

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

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 X

Search

App Screen1

Logo UserPhoto

Open

20190608-SQLSaturdaySFL864 GameChanger

Name Date Type Size Tags

.git	4/25/2019 7:45 PM	File folder		
CortanaTest.jpg	5/3/2019 6:06 PM	JPG File	47 KB	
Cover.png	4/27/2019 4:38 PM	PNG File	124 KB	
Logo.png	5/3/2019 8:19 PM	PNG File	3 KB	
wow.jpg	4/28/2019 9:12 AM	JPG File	81 KB	

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

Screen1 Logo

40 %

IMAGE Logo Properties Rules Advanced

Select an image... Add an image file

Transparency 0

Display mode Edit

Visible On

Position 60 60

Size 320 320

Padding 0 0

Color

Border 0

Border radius 0

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

PowerApps Environment [fleitasarts.com \(default\)](#)

File Home Insert View Action Leads - Saved (Unpublished) [Ug](#) [D](#) [R](#) [P](#) ?

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

Image = [fx](#) Logo_2

Tree view X

Search

App Screen1 Logo UserPhoto

Logo

Position: 508, 40, 92, 92

Size: 92, 92

Visible: On

Padding: 0, 0, 0, 0

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

Color

Border: Width: 0, Height: 0

Border radius: 92

Screen1 Logo

40 %

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' buttons. The 'Insert' button is currently selected. The ribbon menu below the toolbar lists various components: 'New screen', 'Label', 'Button', 'Text', 'Controls', 'Gallery', 'Data table', 'Forms', 'Media', 'Charts', and 'Icons'. A search bar labeled 'Image' contains the value 'Logo_2'. To the right of the search bar is a dropdown menu with an equals sign and a 'fx' icon. The left side of the screen features a 'Tree view' pane with a search bar and a list of items: 'App', 'Screen1', 'Logo', and 'UserPhoto'. The 'Logo' item is currently selected. The main workspace displays two circular images: a user profile picture on the left and a blue circular logo with a white crescent and dots on the right. The right side of the screen contains the 'Properties' panel for the selected 'Logo' component. The 'Properties' tab is active, showing settings for 'Image' (set to 'Logo_2'), 'Image position' (set to 'Fit'), 'Transparency' (set to 0), and 'Display mode' (set to 'Edit'). The 'Visible' section has a green box around its 'Position' settings, which are set to (X: 508, Y: 40, Width: 92, Height: 92). Below this are 'Size' (Width: 92, Height: 92), 'Padding' (Top: 0, Bottom: 0, Left: 0, Right: 0), and 'Color' and 'Border' options. The bottom of the screen shows the navigation bar with 'Screen1' and 'Logo' tabs, and a zoom slider set to 40%.



PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads |

New screen | Label | Button

Text | Controls | Gallery | Data table | Forms | Media | Charts | Icons

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> </u> <i> </i>
Text alignment	
Line height	1.2
Clear button	Off <input checked="" type="checkbox"/>
Maximum length	No value
Mode	Single line
Display mode	Edit
Visible	On <input checked="" type="checkbox"/>

Screen1

TextInput1

- + 40 % ↕

Visible On

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

IT WON'T FAIL BECAUSE OF ME

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

Search

App

Screen1

TextInput1

Logo

UserPhoto

Name

TEXT INPUT TextInput1 Properties Rules Advanced

Position 40 192 X 192 Y

Size 560 70 Width 70 Height

Padding 5 5 Top 5 Bottom

12 5 Left Right

Color A

Border — 2 Blue

Border radius 0

Disabled color A

Hover color A

Pressed color A

Tooltip No value

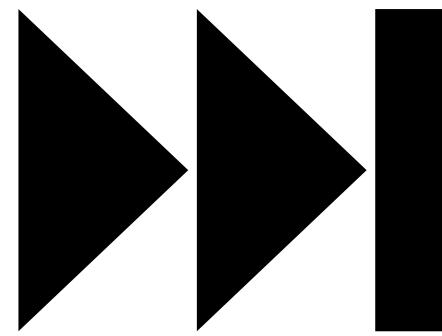
Tab index 0

Screen1 TextInput1

40 %

Leads - Saved (Unpublished)

PowerApps





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

Search

- App
- Screen1
 - TextInput1_2
 - TextInput1_1
 - TextInput1



Name

Name

Name

TEXT INPUT
TextInput1

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	Left Center Right Justify
Line height	1.2
Clear button	Off
Maximum length	No value
Mode	Single line
Display mode	Edit
Visible	On



PowerApps

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

Search

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



Name
Email
Address

TEXT INPUT

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 % ↕

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

IT WON'T FAIL BECAUSE OF ME

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

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

Tree view

Search

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

Screen1

Data

Search

My connections

- 10to8 Appointment Scheduling
- Act!
- Acumatica
- Adobe Creative Cloud
- Adobe Sign
- Ahead
- Ally
- Amazon Redshift

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

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

IT WON'T FAIL BECAUSE OF ME

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

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

Tree view

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

bing

Name Email Address

Bing Maps

Bing Search

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image... 

Image position Fit 

Screen1

Microsoft PowerApps Leads - Saved (Unpublished) - Po Bing for Partners helps businesses + IT WON'T FAIL BECAUSE OF ME

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.

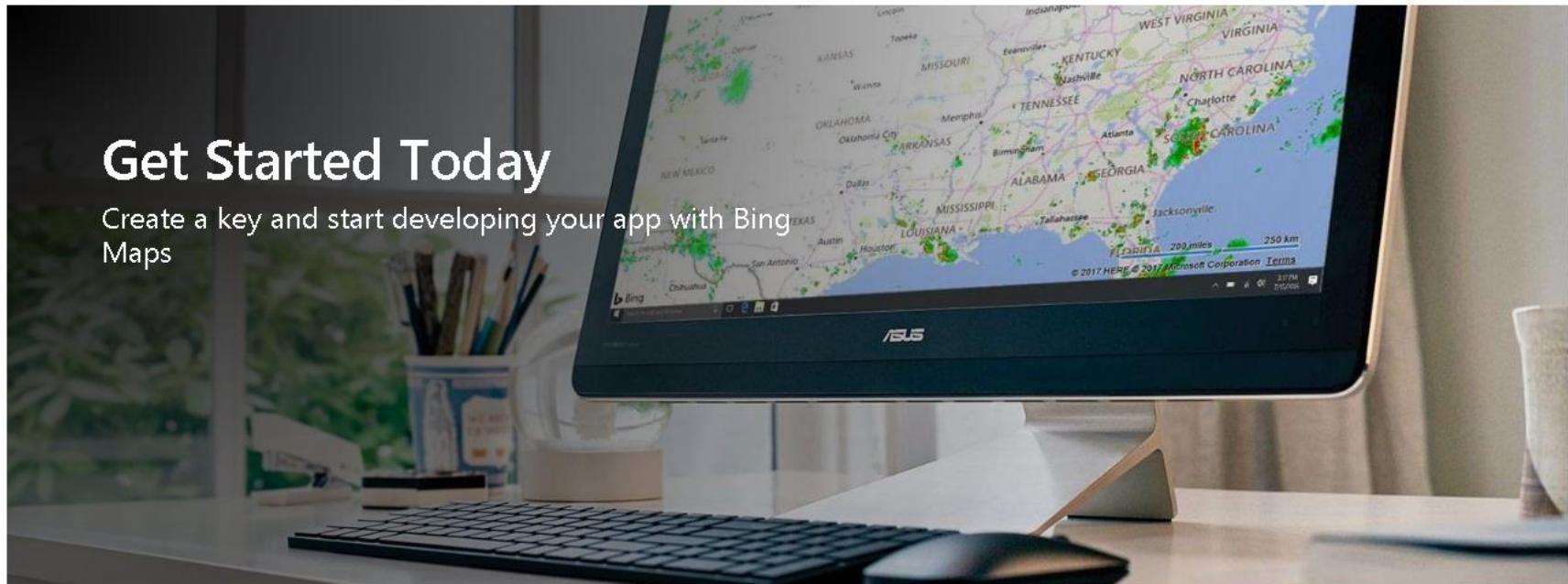
[Get started](#)

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](#)



The Bing Maps platform: a mapping solution from Microsoft, built for the enterprise.



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



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.

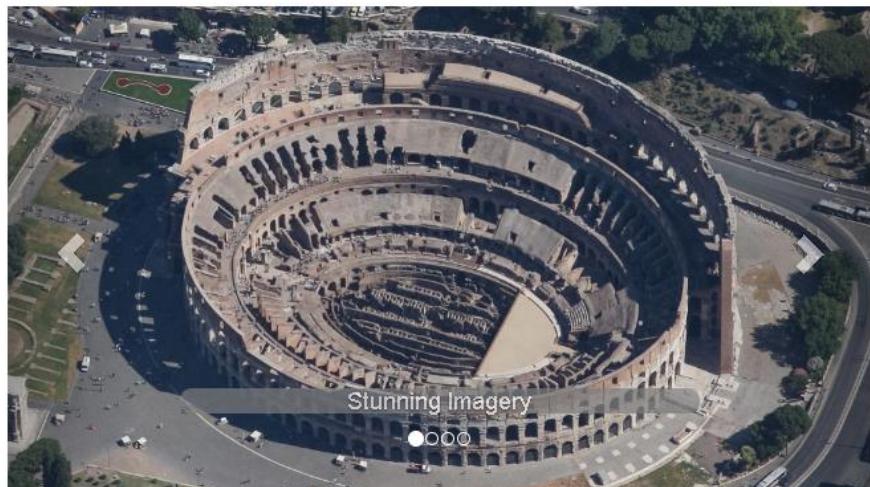
Basic Key application types and parameters

• 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

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](#)

Bing maps | Dev Center

Do you want to use the account **hiramfleitas@hotmail.com** for your new Bing Maps account? [Yes](#)

Or choose one of the following options:

[Sign in with another account](#) (This will sign you out of **hiramfleitas@hotmail.com**, so you can sign in with another account or create a new one.)

[Cancel, and think about it](#) (This will take you back to the Maps Dev Center home page.)

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

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 up-to-date on 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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Bing maps | Dev Center

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(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.

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(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:

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

Bing maps | Dev Center

[My account](#) [Data sources](#)

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



Application Key Security Settings

[Referrers](#)[IP Range](#)

Rule Name	Referrer	Enabled	Action
		<input checked="" type="checkbox"/>	
PowerApps	powerapps.com	<input checked="" type="checkbox"/>	

[Close](#)

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



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>Key: Show key</p> <p>Application Url:</p> <p>Key type: Basic / Dev/Test</p> <p>Created date: 05/04/2019</p> <p>Expiration date: None</p> <p>Key Status: Enabled</p> <p>Security Enabled: Yes</p>



- [Update](#)
- [Copy key](#)
- [Usage Report](#)
- [Edit Security](#)

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

IT WON'T FAIL BECAUSE OF ME

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

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

Tree view

Search

App

Screen1

Address

Email

Name

Logo

UserPhoto

Name

Email

Address

Bing Maps

Preview

Bing Maps

API Key*

Fill

Background image Select an image...

Image position Fit

SCREEN Screen1

Properties Rules Advanced

Create Cancel

Screen1

IT WON'T FAIL BECAUSE OF ME

Leads - Saved (Unpublished)

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

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

Tree view

Search

App

Screen1

Address

Email

Name

Logo

UserPhoto

Name

Email

Address

Bing Maps

Preview

Bing Maps

API Key*

Fill

Background image Select an image...

Image position Fit

SCREEN Screen1

Properties Rules Advanced

Create Cancel

Screen1

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

IT WON'T FAIL BECAUSE OF ME

PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

Leads - Saved (Unpublished)

Data sources Media Collections Variables Advanced

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

Tree view

Search

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

Screen1

Data

Add data source

Office365Users hiram@fleitasarts.com

BingMaps Bing Maps

SCREEN Screen1

Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

A screenshot of the Microsoft PowerApps studio interface. The top navigation bar shows tabs for Microsoft PowerApps, Leads - Saved (Unpublished), Create key - Bing Maps Dev Cent, and a new item. The environment is set to fleitasarts.com (default). The main menu includes File, Home, Insert, View (which is selected), and Action. Below the menu is a toolbar with icons for Data sources, Media, Collections, Variables, and Advanced. A search bar at the top has the value "RGB(255, 255, 255, 1)". On the left, a tree view pane lists "App", "Screen1" (expanded) containing "Address", "Email", "Name", "Logo", and "UserPhoto", and "Screen1" (closed). The central workspace displays a screen titled "Screen1" with a user profile picture and three input fields labeled "Name", "Email", and "Address". To the right, the "Data" pane shows data sources "Office365Users" (hiram@fleitasarts.com) and "BingMaps" (Bing Maps). The "Properties" pane on the far right shows settings for "Fill", "Background image" (set to "Select an image..."), and "Image position" (set to "Fit"). The top of the screen features a decorative banner with the text "IT WON'T FAIL BECAUSE OF ME" and the American flag.

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

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 = BingMaps

Tree view BingMaps.GetMap BingMaps.GetMapV2 BingMaps

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 X: 40 Y: 463 Size Width: 560 Height: 320 Padding Top: 0 Bottom: 0 Left: 0 Right: 0 Color Border Border radius 0

Screen1 Map 40 %



PowerApps

Environment
fleitasarts.com (default)

File Home Insert View Action

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

New screen Label Button

ABC

imagerySet: The type of imagery.

Image

= BingMaps.GetMapV2()

Tree view

"Aerial"

"AerialWithLabels"

"CanvasDark"

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

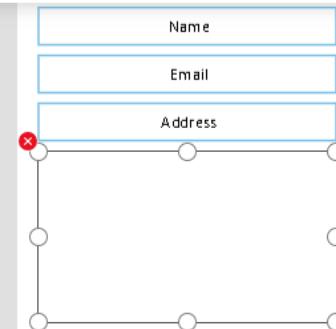


Image Select an image...

Image position Fit

Transparency 0

Display mode Edit

Visible On

Position 40 463

Size 560 320

Width Height

Padding 0 0

Top Bottom

Left Right

Screen1

Map

- + 40 % ↕

Color

Border

Border radius 0

Microsoft PowerApps Leads - Saved (Unpublished) +

IT WON'T FAIL BECAUSE OF ME

us.create.powerapps.com wants to Know your location

Allow Block

File Home In New screen

Controls Gallery Data table Forms Media Charts Icons

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

Tree view

Search

App Screen1 Map Address Email Name Logo UserPhoto

Name Email Address

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 Border radius 0

Screen1 Map 40 %

IT WON'T FAIL BECAUSE OF ME

leads-saved-unpublished.html

IT WON'T FAIL BECAUSE OF ME

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

Tree view

Search

App

Screen1

Map

Address

Email

Name

Logo

UserPhoto

Name

Email

Address

Map

Properties Rules Advanced

Image Select an image...

Image position Fit

Transparency 0

Display mode Edit

Visible On

Position 40 463 X Y

Size 560 320 Width Height

Padding 0 0 Top Bottom 0 0 Left Right

Color

Border

Border radius 0

Screen1 Map

- + 40 % ↕

IT WON'T FAIL BECAUSE OF ME

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

Map

Name

Email

Address

W 60th St W 60th Terrace Sparks Park W 60th St W 59th Pl W 58th St W 57th St W 56th St W 55th Pl W 54th St W 53rd St W 52nd St W 51st St W 50th St W 49th Pl W 48th St W 47th St W 46th St W 45th St W 44th St W 43rd St W 42nd St W 41st St W 40th St W 39th Pl W 38th St W 37th St W 36th St W 35th Pl W 34th St W 33rd St W 32nd St W 31st St W 30th St W 29th Pl W 28th St W 27th St W 26th St W 25th Pl W 24th St W 23rd St W 22nd St W 21st Pl W 20th St W 19th Pl W 18th St W 17th Pl W 16th St W 15th Pl W 14th St W 13th Pl W 12th St W 11th Pl W 10th St W 9th Pl W 8th St W 7th Pl W 6th St W 5th Pl W 4th St W 3rd Pl W 2nd St W 1st Pl W 0th St W 60th Terrace Sparks Park W 60th St W 59th Pl W 58th St W 57th St W 56th St W 55th Pl W 54th St W 53rd St W 52nd St W 51st St W 50th St W 49th Pl W 48th St W 47th St W 46th St W 45th St W 44th St W 43rd St W 42nd St W 41st St W 40th St W 39th Pl W 38th St W 37th St W 36th St W 35th Pl W 34th St W 33rd St W 32nd St W 31st St W 30th St W 29th Pl W 28th St W 27th St W 26th St W 25th Pl W 24th St W 23rd St W 22nd St W 21st Pl W 20th St W 19th Pl W 18th St W 17th Pl W 16th St W 15th Pl W 14th St W 13th Pl W 12th St W 11th Pl W 10th St W 9th Pl W 8th St W 7th Pl W 6th St W 5th Pl W 4th St W 3rd Pl W 2nd St W 1st Pl W 0th St

IMAGE Map

Properties Rules Advanced

Image Select an image...

Image position Fill

Transparency 0

Display mode Edit

Visible On

Position 40 463

Size 560 320

Padding 0 0

Color

Border

Border radius 0

Screen1 Map 40 %

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

IT WON'T FAIL BECAUSE OF ME

PowerApps Environment fleitasarts.com (default)

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

Navigation: Navigate, Collect, Remove, On select, On change, Flows

Action: OnChange = fx Set(vAddress, BingMaps.GetLocationByAddress({addressLine:Address.Text}))

Tree view:

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

Address properties:

Properties	Rules	Advanced
Default	Address	
Format	Text	
Hint text	No value	
Font	Open Sans	
Font size	21	
Font weight	Normal	
Font style	/ <u> </u> <i> </i>	
Text alignment	Left Center Right	
Line height	1.2	
Clear button	Off	
Maximum length	No value	
Mode	Single line	
Display mode	Edit	
Visible	On	

Map view showing a location near W 60th St and W 60th Terrace, Spark Park, Tahoe.



PowerApps

File Home Insert View **Action**

↗ Navigate ▾ ⚡ Collect ▾ ✖ Remove ▾ 🔍 On select ⌂ Flows

Image

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

Tree view

Search

App

◀ □ Screen1

A small icon of a map with mountains and a sun, followed by the word "Map".

Address

Email

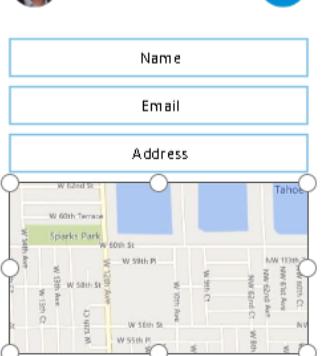
Name _____

 Logo

 UserPh

 Format text

 Remove formatting



Properties	Rules	Advanced
Image	<input type="button" value="Select an image..."/>	
Image position	Fill	
Transparency	0	
Display mode	<input type="button" value="Edit"/>	
Visible	On <input checked="" type="checkbox"/>	
Position	<input type="text" value="40"/>	<input type="text" value="463"/>
Size	<input type="text" value="560"/>	<input type="text" value="320"/>
Padding	<input type="text" value="0"/>	<input type="text" value="0"/>
Color	<input type="color"/>	
Border	<input type="button" value="—"/>	<input type="text" value="0"/>
Border radius	<input type="text" value="0"/>	

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

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PowerApps

File Home Insert View Action

Leads - Saved (Unpublished)

Environment fleetasarts.com (default)

Image

Tree view

Search

App

Screen1

Map

Address

Email

Name

Logo

UserPhoto

On select Flows

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

Left Right

Color

Border

Border radius 0

Screen1 Map

40 %

IT WON'T FAIL BECAUSE OF ME

American flag

Navigation icons: back, forward, search, etc.

Code editor showing an If statement for an On select action:

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

The code uses the `BingMaps.GetMapV2` function twice. The first call is enclosed in a green box and labeled "Then true". The second call is enclosed in a red box and labeled "Else false".

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

IT WON'T FAIL BECAUSE OF ME

PowerApps

File Home Insert View Action

Leads - Saved (Unpublished)

Environment fleitasarts.com (default)

Image

Tree view

Search

App

Screen1

Map

Address

Email

Name

Logo

UserPhoto

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

Border Border radius 0

Screen1 Map 40 %

0



PowerApps

File Home Insert View Action

New screen Theme Open Sans

Image

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

```
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  
        }  
)  
)
```

Format text Remove formatting

Acceleration

Environment
fleitasarts.com (default)

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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 / A Fill Border Reorder Align Group AccessibleLabel fx ... Tree view Search App Screen1 txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto Name Email Address Lead ID

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

Tree view

Search

App

Screen1

txtLeadID

Map

txtAddress

txtEmail

txtName

Logo

UserPhoto

Name

Email

Address

Palm Springs Estates

Lead ID

Lead ID

Leads - Saved (Unpublished)



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

Tree view X

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




Name

Email

Address



Lead ID

IMAGE
Logo

Properties Rules Advanced

Image	Logo_2
Image position	Fit
Transparency	0
Display mode	Edit
Visible	On
Position	508 40
Size	92 92
Padding	0 0
Color	Placeholder
Border	0
Border radius	92

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) My account +

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

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

OnSelect = Launch("https://portal.office.com/account/#personalinfo")

Tree view

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

UserPhoto

Name Email Address

Lead ID

Properties Rules Advanced

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

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

Color Border Border radius 0 92

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 Action

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

Fill

Button

A(255, 255, 255, 1)

Lets users click or tap to perform an action.

Set its properties to determine how this button looks and behaves.

Tree view

Search

App

Screen1

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

SCREEN Screen1 Properties Rules Advanced

Fill

Background image Select an image... Image position Fit

Name

Email

Address

Palm Springs Estates

Lead ID

Screen1 40 %

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 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

Palm Springs Estates

4th Ave NW 122nd St Amelia Earhart Gratigny Rd

826 W 12th Ave 932 W 4th Ave W 40th St E 49th St

Lead ID

Add

BUTTON btnAdd Properties Rules Advanced

Text Add

Display mode Edit

Visible On

Position 40 895 X Y

Size 560 70 Width Height

Padding 5 5 Top Bottom

5 5 Left Right

Color A

Border — 2

Border radius 5

Font Open Sans

Font size 24

Screen1 btnAdd

60 %

American Flag

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

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 X

Search App Screen1

Icon1 btnAdd txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto

Westland Mall NW 103rd St 932 W 49th St E 49th St Ave NW

Lead ID

Add

Icons Add Cancel Edit Check Search Filter Sort Reload Trash Save Padding Top Bottom Left Right Color Border Focused border

Width Height

898 Y

64

0 0 0 0 0 0

0 0 0 0 0 0

2

Screen1 Icon1

110%

IT WON'T FAIL BECAUSE OF ME

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 = fx false

Tree view X

Search App Screen1 Icon1 btnAdd txtLeadID Map txtAddress txtEmail txtName Logo UserPhoto

Westland Mall NW 103rd St 932 Ave NW W 49th St E 49th St Immetto Expy

Lead ID

Add

ICON Icon1 Properties Rules Advanced

Standard Custom Theme colors Standard colors

Color palette A

Height 898 Y 64 th 0 Bottom 0 ft 0 Right 0

On

Tooltip No value Tab index -1

Screen1 Icon1

110% 110%

American flag watermark

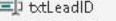
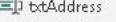
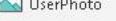
Microsoft PowerApps Leads - Saved (Unpublished) + IT WON'T FAIL BECAUSE OF ME

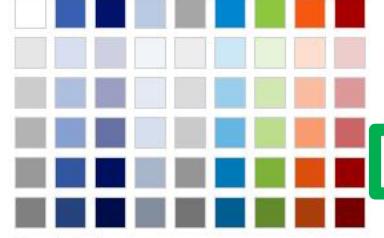
PowerApps Environment filetarts.com (default)

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

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

OnSelect = fx false

Tree view  App Screen1         

ICON Icon1 Properties Rules Advanced    

Standard Custom Theme colors Standard colors               

Height Bottom Right On 

Tooltip No value Tab index -1

PowerApps ▾

File Home Insert View

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

OnSelect ▾ = fx ▾ false

Tree view

 Search

App

Screen1

txtLeadID

A small square icon containing a stylized map of land and water.

 txtAddress

 txtEmail

 txtName

 Logo

 UserP



Lead ID

Add

- Copy these items
- Paste
- Delete these items
- Group**
- Reorder
- Align

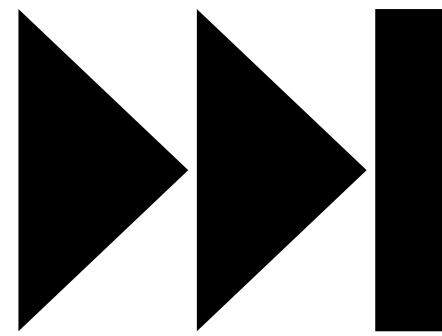
? controls selected

\pm 70 %

Environment
fleitasarts.com (default)

A small, circular portrait of a man with short, light-colored hair, wearing a dark suit jacket, a white shirt, and a patterned tie. He is looking slightly to his left with a neutral expression.

Properties		Rules	Advanced
Display mode	<input type="button" value="Edit"/>		<input type="button" value="▼"/>
Visible		On	<input checked="" type="checkbox"/>
Position	<input type="button" value="Multiple"/>	<input type="button" value="Multiple"/>	X <input type="button" value="▼"/> Y
Size	<input type="button" value="Multiple"/>	<input type="button" value="Multiple"/>	Width <input type="button" value="▼"/> Height
Padding	<input type="button" value="Multiple"/>	<input type="button" value="Multiple"/>	Top <input type="button" value="▼"/> Bottom
	<input type="button" value="Multiple"/>	<input type="button" value="Multiple"/>	Left <input type="button" value="▼"/> Right
Color	<input type="button" value="A"/>	<input type="button" value=""/>	<input type="button" value=""/>
Border	<input type="button" value="—"/>	<input type="button" value="▼"/> Multipl	<input type="button" value=""/>
Auto disable on select		On	<input checked="" type="checkbox"/>
Disabled color	<input type="button" value="A"/>	<input type="button" value=""/>	<input type="button" value=""/>
Hover color	<input type="button" value="A"/>	<input type="button" value=""/>	<input type="button" value=""/>



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 / U A Fill Border Reorder Align Group

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

Tree view

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

SCREEN

Home Properties Rules Advanced

Fill

Background image Select an image... Image position Fit

Lead ID

Name

Email

Address

Palm Springs, Estate

Add

Check

Delete

Link

Home

40 %

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 / 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

Search

Name

Email

Address

Lead ID

Palm Springs, California

Add

Check

Delete

Link

ICON icoCheck

Properties Rules Advanced

+ Add

Actions

- Add**
- Cancel**
- Check**
- Search**
- Filter**
- Sort**
- Reload**
- Trash**
- Save**
- Download**
- Copy**

On 112 64 0 0 0 2

Width Height Top Bottom Left Right

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) 

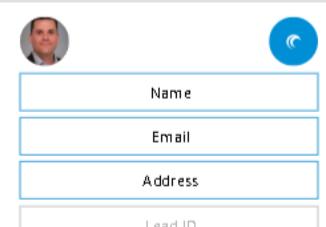
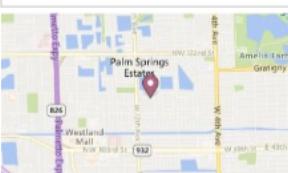
New screen Theme Open Sans 21 /         Fill Border Reorder Align Group

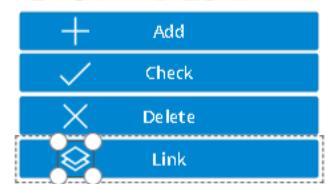
OnSelect =  false

Tree view 

Search

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


Name
Email
Address
Lead ID



Add
Check
Delete
Link

ICON icoLink Properties Rules Advanced

Search 

Emoji - Smile Emoji - Sad Emoji - Neutral

Warning Information Database

Hashtag  Trending upward

Items Layers  Trending

Line weight 3D Printing

Layers  0

Width 64 Height 64

Top 0 Bottom 0

Left 0 Right 0

A  0

Y  0

On 



Office UI Fabric Icons

link X Get subset Select Unicodes 1 selected View ▾

Subset options

Font file name

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

Font-family name

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 KB
fabric-icons.css	3.2 KB

App version 2.34.0 • FabMDL2 v3.27

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

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 X

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

Search

826

Westland Mall NW 103rd St 932

W 12th Ave W 4th Ave W 49th St E 49th St

Map

Check

Delete

Link

Properties Advanced

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

Font size 24

Microsoft PowerApps Leads - Saved (Unpublished) +

IT WON'T FAIL BECAUSE OF ME

PowerApps

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 W 4th Ave

Check Delete Link

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

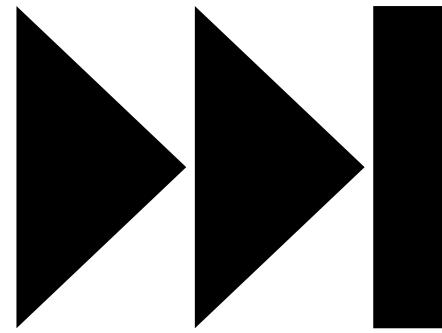
PowerApps Environment filetasarts.com (default)

Leads - Saved (Unpublished)

Home btnAdd

100%

The screenshot shows the Microsoft PowerApps studio environment. At the top, there are two tabs: "Microsoft PowerApps" and "Leads - Saved (Unpublished)". The "Leads - Saved (Unpublished)" tab is active. The main workspace contains a map of a street area with labels like "Westland Mall", "NW 103rd St", "W 12th Ave", "W 4th Ave", "W 49th St", and "E 49th St". Overlaid on the map are three blue rectangular buttons with white icons and text: "Check" with a checkmark icon, "Delete" with a cross icon, and "Link" with a diamond icon. To the left of the workspace is a "Tree view" pane showing a hierarchical list of app components. On the right side, there is a "BUTTON" tool palette with "Properties", "Rules", and "Advanced" tabs. The "Advanced" tab is selected, displaying properties for the "btnAdd" button component, including "rad" under "Radius" and a list of height-related properties: "RadiusTopLeft", "btnAdd.Height", "RadiusTopRight", "btnAdd.Height", "RadiusBottomLeft", "btnAdd.Height", "RadiusBottomRight", and "btnAdd.Height". A green rectangle highlights the "RadiusBottomLeft" and "RadiusBottomRight" entries.



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

Data sources Media Collections Variables Advanced

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

Tree view

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

Name

Email

Address

Lead ID

Palm Springs Estate

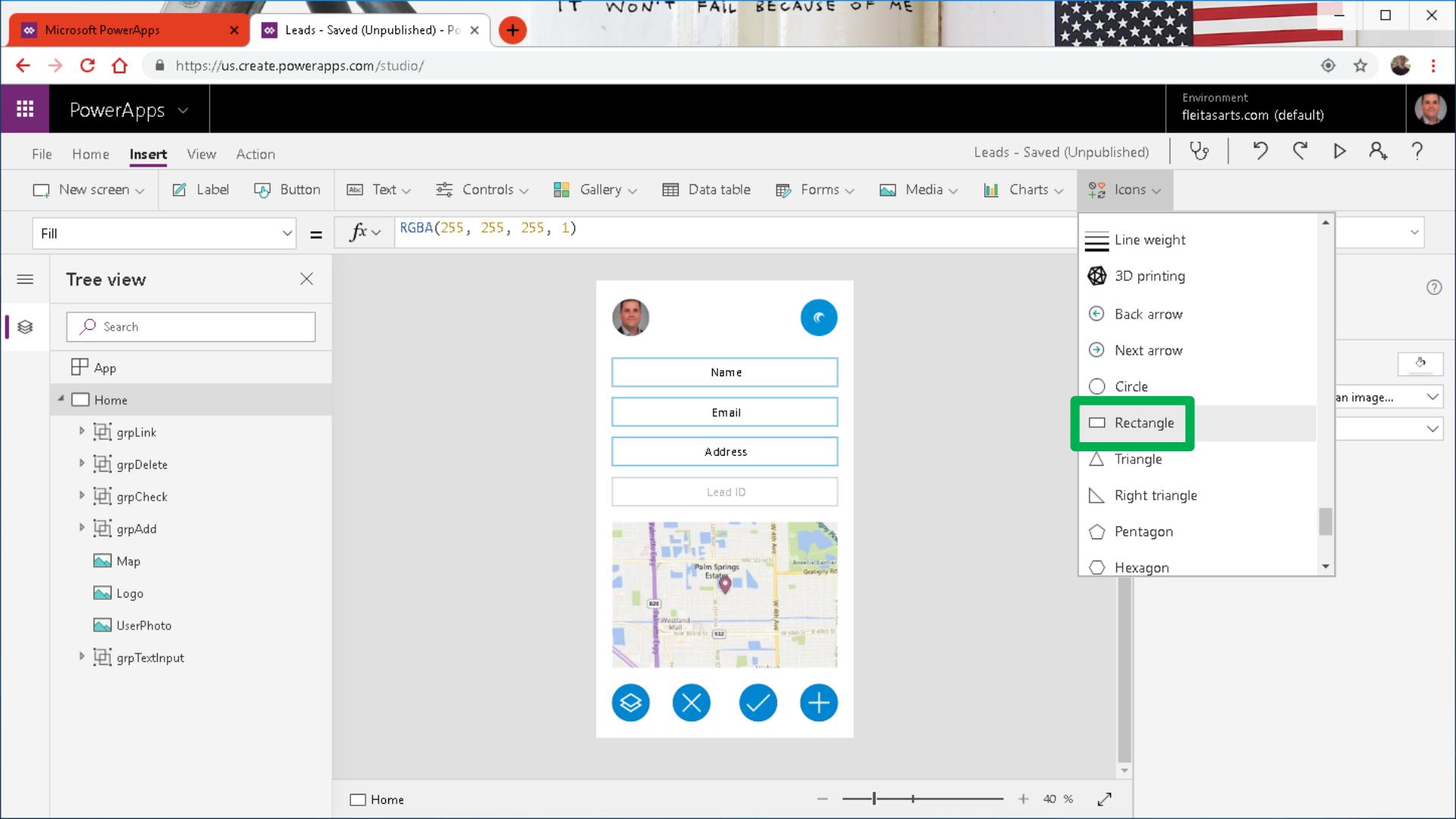
Map showing Palm Springs Estate area with a red marker indicating a specific location.

SCREEN Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit



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 Label Button Text Controls Gallery Data table Forms Media Charts Icons

OnSelect = fx false

Tree view X

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 0

Disabled color

Hover color

Pressed color

Tooltip No value

Tab index -1

Home Rectangle1

- + 40 %

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

Visible = fx true

Tree view

App Home popShade

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

Name Email Address

RECTANGLE popShade Properties Rules Advanced

Search for a property ...

ACTION

OnSelect false

DATA

AccessibleLabel

...
RGB(red_value, green_value, blue_value, alpha_value)
alpha_value: The alpha component, 0 to 1 (or a percentage, such as 49%).
RGB(255, 255, 255, 0.98)

DisabledFill
popShade.Fill
PressedFill

Home popShade

40 %

The screenshot shows the Microsoft PowerApps Studio interface. A tree view on the left lists various components like App, Home, and popShade. The popShade node has several children: grpLink, grpDelete, grpCheck, grpAdd (which contains icoAdd and btnAdd), Map, Logo, UserPhoto, and grpTextInput. In the center, there's a preview of a screen with fields for Name, Email, and Address. On the right, the properties panel is open for a 'RECTANGLE' named 'popShade'. The 'Advanced' tab is selected. It shows the 'Properties' section with 'OnSelect' set to 'false'. The 'DATA' section includes an 'AccessibleLabel' field with three dots. Below it, a code block defines a color using 'RGB(red_value, green_value, blue_value, alpha_value)' with 'alpha_value' described as 'The alpha component, 0 to 1 (or a percentage, such as 49%)'. A value 'RGB(255, 255, 255, 0.98)' is entered, and a 'fx' button is available. Other tabs in the properties panel include 'Rules' and 'DisabledFill' (which is currently selected). The bottom right shows 'popShade.Fill' and 'PressedFill'.

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 Leads - Saved (Unpublished)

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

OnSelect = fx UpdateContext({vPopUp:false})

Tree view

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 Multiple Width Height

Padding Multiple Multiple Top Bottom Multiple Multiple Left Right

Color

Border Multiple

Auto disable on select On

Disabled color

Hover color

2 controls selected 40%

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

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

PowerApps Environment: filetasarts.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

App

Home

grpModal

popLabel

icoDone

btnDone

popShade

grpLink

grpDelete

grpCheck

grpAdd

Map

Logo

UserPhoto

grpModal

Name

Email

Address

Lead ID

Palm Springs Estates

Amelia Earhart Grangely Rd

Map controls

Home grpModal

Properties Advanced

Display mode Edit

Visible Off

Position Multiple X Multiple Y

Size Multiple Width Multiple Height

Border Multiplied

Tooltip No value

Tab index Multiple

40 %



OnSelect

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

Tree view



- ```
graph TD; App[App] --> Home[Home]; App --> grpModal[grpModal]; App --> grpLink[grpLink]; App --> grpDelete[grpDelete]; App --> grpCheck[grpCheck]; App --> grpAdd[grpAdd]; App --> Map[Map];
```

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

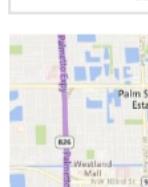


+ Add

---

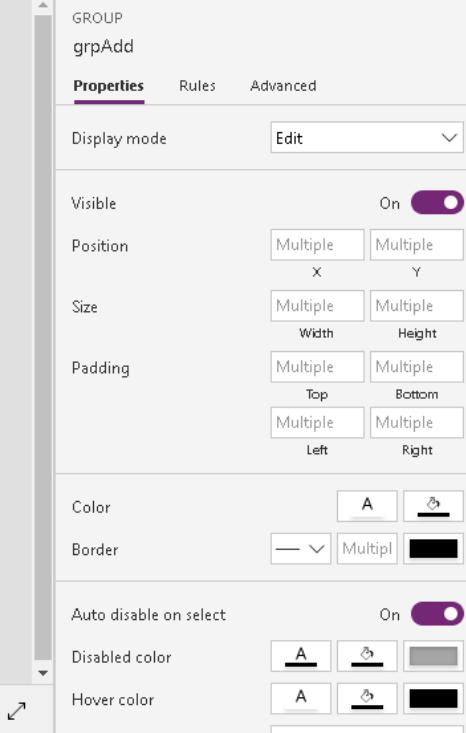
Name
Email

Address
Lead ID







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

https://us.create.powerapps.com/studio/ Environment fleetasarts.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 UpdateContext({vOutLead:CheckLead.Run(txtEmail.Text)});UpdateContext({vPopUp:true})

Tree view X

App

Home

grpModal

- popLabel
- icoDone
- btnDone
- popShade

grpLink

grpDelete

grpCheck

grpAdd

- icoAdd
- btnAdd

Map

Leads

Name Email Address Lead ID

Palm Springs Estates

Map controls: Refresh, X, Checkmark, Plus

Properties

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Multiple Width Height

Padding Multiple Multiple Top Bottom Multiple Multiple Left Right

Color A

Border Multiples

Auto disable on select On

Disabled color

Hover color

40 %

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

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

Name Email Address Lead ID

Palm Springs Estates

Map

grpDelete Properties

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Multiple Width Height

Padding Multiple Multiple Top Bottom Multiple Multiple Left Right

Color A

Border

Auto disable on select On

Disabled color

Hover color

40 %



## PowerApps

File Home Insert View Action

Leads - Saved (Unpublished)



New screen

Theme

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

Lead ID: 1234567890

Name: John Doe

Email: john.doe@example.com

Address: 123 Main St, Anytown, USA

Map: A map showing the location of the lead's address.

Action Buttons: Save, Cancel, OK, Add

## GROUP

grpLink

## Properties

Rules

Advanced

## Display mode

Edit

## Visible

On

## Position

Multiple X Multiple Y

## Size

Multiple Width Multiple Height

## Padding

Multiple Top Bottom

Multiple Left Right

## Color

A

## Border

Multip

## Auto disable on select

On

## Disabled color

A

## Hover color

A

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Microsoft PowerApps Leads - Saved (Unpublished) +

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

PowerApps Environment fleitasarts.com (default)

Action

File Home Insert View Action

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

Tree view

App

Home

grpModal

grpLink

grpDelete

grpCheck

grpAdd

Map

Logo

UserPhoto

grpTextInput

Screen Home

Properties Rules Advanced

Fill

Background image Select an image...

Image position Fit

Navigation icons: Back, Forward, Stop, Home, Refresh.

UI Elements:

- Tree view:** A sidebar containing a search bar and a list of components: App, Home, grpModal, grpLink, grpDelete, grpCheck, grpAdd, Map, Logo, UserPhoto, and grpTextInput.
- Data:** A card showing a user profile picture and four input fields: Name, Email, Address, and Lead ID.
- Map:** A map showing a location in Palm Springs, California, with a red pin.
- Flow Card:** A card stating "Looks like you haven't created any flows yet. To get started, select 'Create a new flow' below." with a "Create a new flow" button.
- Bottom Buttons:** Three blue circular buttons with white icons: a double arrow, a circle with an X, and a checkmark.

DEMO

# three Power Automate



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished) - Po

Create your flow | Microsoft Flow

American Flag

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

Flow

PowerApps button

Home Approvals My flows Templates Connectors Data Learn

PowerApps

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

+ New step Save





## 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

Hiram Fleitas  
fleitasarts.com (default)

IT WON'T FAIL BECAUSE OF ME

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

<https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8ccb465005d6068>

Hiram Fleitas fleitasarts.com (default)

Flow

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.



← PowerApps button

Save Flow Checker Test

Hiram Fleitas  
fleitasarts.com (default)

Flow

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) - Po

Create your flow | Microsoft Flow

American Flag

# 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 Name of stored procedure

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

IT WON'T FAIL BECAUSE OF ME

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

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8ccb465005d6068

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, Address

+ New step Save

Dynamic content Expression

Search dynamic content

PowerApps Ask in PowerApps

The screenshot shows the Microsoft Flow 'Create your flow' interface. On the left, there's a navigation sidebar with links like Home, Approvals, My flows, Templates, Connectors, Data, Entities, Connections, Custom connectors, Gateways, and Learn. The main area has tabs for PowerApps and Flow. A 'PowerApps' button is visible at the top left. The main content area shows a flow step titled 'Execute stored procedure'. It has a dropdown for 'Procedure name' set to 'AddLead'. Below it are three input fields: 'Name', 'Email', and 'Address', each with a 'Add dynamic content' button. To the right, there's a 'Dynamic content' section with a search bar and a 'PowerApps' connector step labeled 'Ask in PowerApps'. At the bottom, there are 'New step' and 'Save' buttons.

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished) - Po

Create your flow | Microsoft Flow

American Flag

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

Profile Picture

Flow

Hiram Fleitas  
fleitasarts.com (default)

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



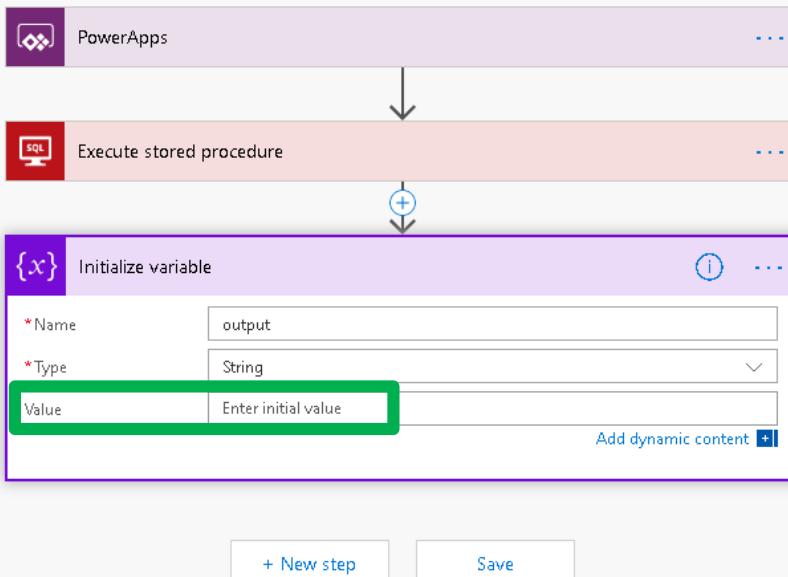
## Flow

Hiram Fleitas  
fleitasarts.com (default)

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

AddLead

Save Flow Checker Test



Dynamic content Expression

Search dynamic content

Execute stored procedure

ReturnCode

PowerApps See more

Executestoredprocedure\_Address

Executestoredprocedure\_Email

Executestoredprocedure\_Name



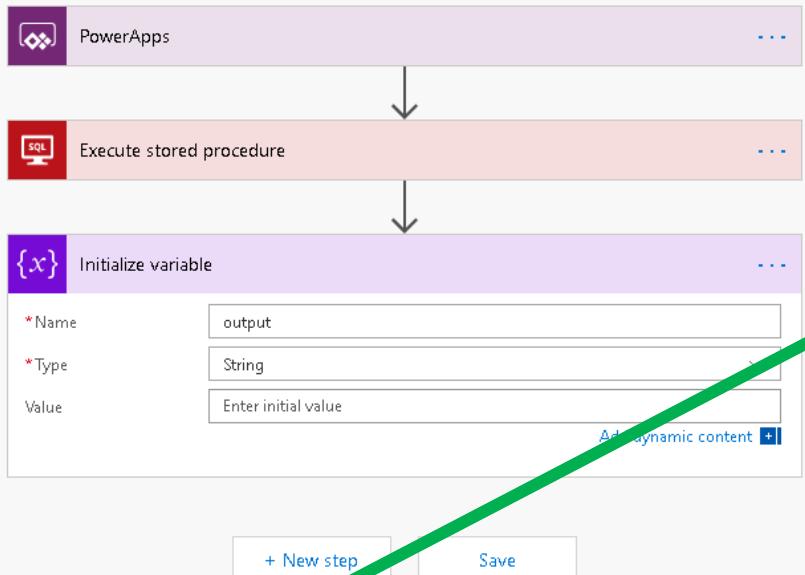
Flow

Hiram Fleitas  
fleitasarts.com (default)

AddLead

Save Flow Checker Test

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



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

Dynamic content Expression

fx body('Execute\_stored\_procedure')?['resul

OK

String functions See more

concat(text\_1, text\_2, ...)  
Combines any number of strings together

Collection See more

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 See more

if(expression, valueIfTrue, valueIfFalse)  
Returns a specified value based on whether the expressio...

IT WON'T FAIL BECAUSE OF ME

PowerApps Leads - Saved (Unpublished) - Po Edit your flow | Microsoft Flow Edit your flow | Microsoft Flow + us.flow.microsoft.com/manage/environments/5dceb218-1634-4296-bdc3-8614602f009c/flows/new?newFlowName=AddForm&trigger=providers%2FMicrosoft.ProcessSimple%2FoperationGroups%2FPowerAp... Paused

Apps Popular Fleitas Arts Education USCG UPCIC Dba2.0 - Get data f... MD Cheatsheet Code Tags Other bookmarks

Flow AddForm Save Flow checker Test

Home Action items My flows Create Templates Connectors Data Entities Connections Custom connectors Gateways AI Builder Solutions Learn

AddForm

PowerApps Execute stored procedure (V2)

{x} Initialize variable

- \*Name: output
- \*Type: String
- Value: fx body(..) x

+ New step Save

Dynamic content Expression

body('Execute\_stored\_procedure\_(V2)?['resultsets']')

body('Execute\_stored\_procedure\_(V2)?[body]')

Update

Execute stored procedure (V2)

Body

OutputParameters

ResultSets

ReturnCode

PowerApps

- Executestoredprocedure(V2)\_Amount
- Executestoredprocedure(V2)\_BalanceDue
- Executestoredprocedure(V2)\_BillTo

A red arrow points from the text "body('Execute\_stored\_procedure\_(V2)?['resultsets']')" to the "Value" field of the "Initialize variable" step. Another red arrow points from the text "body('Execute\_stored\_procedure\_(V2)?[body]')" to the "Value" field of the "Initialize variable" step.

body('Execute\_stored\_procedure\_(V2)?['resultsets']')

body('Execute\_stored\_procedure\_(V2)?[body]')

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished) - Po

Create your flow | Microsoft Flow

American Flag

# 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: body(..)

Rename Add a comment Settings Configure run after Peek code Delete

+ New step Save

IT WON'T FAIL BECAUSE OF ME

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

https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/new?gallery=public&template=05ed784f63df4ac7b8ccb465005d6068

Hiram Fleitas fleitasarts.com (default)

# 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' (code view)

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

Done

+ New step Save

The screenshot shows a Microsoft Flow interface with a 'PowerApps' step followed by an 'Execute stored procedure' step. A code view window is open for the 'Initialize variable' step, showing the following JSON code:

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

A green box highlights the 'value' field of the variable definition, which contains the expression '@{body('Execute\_stored\_procedure')?['resultsets']}'. The 'Done' button is visible at the bottom of the code view window.

# Flow

AddForm

Save Flow checker Test

PowerApps

Execute stored procedure (V2)

'Initialize variable' (code view)

```
1 {
2 "inputs": {
3 "variables": [
4 {
5 "name": "output",
6 "type": "String",
7 "value": "@{body('Execute_stored_procedure_(V2')?['resultsets'])}"
8 }
9]
10 }
11 }
```

Done

Home Action items My flows Create Templates Connectors Data Entities Connections Custom connectors Gateways AI Builder Solutions Learn

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished) - Po

Edit your flow | Microsoft Flow

American Flag

# Flow

AddLead • Saved

Save Flow Checker Test

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

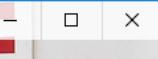
+ New step Save

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

The flow consists of four sequential steps:

- Step 1: PowerApps (purple box)
- Step 2: Execute stored procedure (red box)
- Step 3: Initialize variable (purple box)
- Step 4: Respond to PowerApps (purple box)

The "Respond to PowerApps" step includes input fields for "result" and "output".



https://us.flow.microsoft.com/manage/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/flows/9f680b62-a840-47d8-8444-da7ddfc244ec/details

Flow

AddLead

AddLead

Create one or more actions to happen when a button or link in PowerApps is selected. To use this flow from a PowerApp, select the control you want to trigger the flow and go to the Action tab in the PowerApps ribbon and select Flows.

Edit description

CONNECTIONS See all >

SQL Server localhost

TEMPLATES

Analytics

ENTITIES

RUN HISTORY See all >

|  | Succeeded      | 42 minutes ago | 1 second  |
|--|----------------|----------------|-----------|
|  | Test Succeeded | 44 minutes ago | 1 second  |
|  | Succeeded      | 9 hours ago    | 0 seconds |
|  | Succeeded      | 9 hours ago    | 1 second  |
|  | Succeeded      | 9 hours ago    | 1 second  |

OWNERS See all >

Hiram Fleitas hiram@fleitasarts.com

Add another owner

Office 365 email attachments to OneDrive for Business

PowerApps button

reminder in 10 minutes

forecast for my current location

OneDrive for Business

PowerApps

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

PowerApps Environment: fleitasarts.com (default)

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

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

Tree view

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

Data

Flows associated with 'grpAdd'

No flows have been selected.

Flows

AddLead

Create a new flow

GROUP grpAdd

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Multiple Width Height

Padding Multiple Multiple Top Bottom Multiple Multiple Left Right

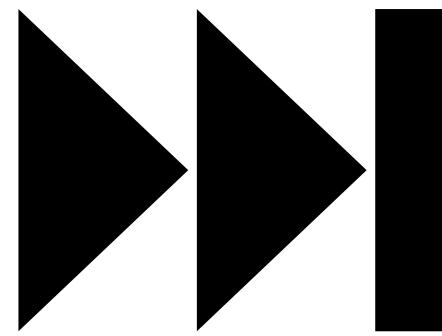
Color A

Border Multip

Auto disable on select On

Disabled color A

Hover color A



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) +

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

Action

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

Tree view

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

Name Email Address Lead ID

AddLead CheckLead DeleteLead LinkLead

Create a new flow

Flows associated with 'grpAdd'  
No flows have been selected.

Properties Rules Advanced

Display mode Edit

Visible On

Position Multiple X Multiple Y

Size Multiple Multiple Width Height

Padding Multiple Multiple Top Bottom Left Right

Color A

Border Multip

Auto disable on select On

Disabled color A

Hover color A



## PowerApps

File Home Insert View Action

Leads - Saved (Unpublished)



?

Navigate ▾ Collect ▾ Remove ▾ On select Flows

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

Name

Email

Address

Lead ID

Home

grpLink

## Data

Flows associated with 'grpLink'

No flows have been selected.

## Flows

- AddLead
- CheckLead
- DeleteLead
- LinkLead

① 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 Multiple Width Height

Padding

Multiple Multiple Top Bottom

Color

Border

Auto disable on select

On

Disabled color

Hover color



## PowerApps

File Home Insert View Action

UpdateContext(context)

New screen

Theme

Open Sans

context: A record that specifies new values for some or all of the context variables in the current screen. For example: { Price: Price + 1 }

OnSelect

fx

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 |



## grpAdd

## Properties Rules Advanced

Display mode

Edit

Visible

On

Position

Multiple X Multiple Y

Size

Multiple Width Height

Padding

Multiple Top Bottom Left Right

Color

A

Border

Multip

Auto disable on select

On

Disabled color

A

Hover color

A

Home

grpAdd

- + 40 % ↻

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

https://us.create.powerapps.com/studio/ PowerApps Home Insert View Action Leads - Saved (Unpublished) New screen Theme Open Sans 21 / A Fill Border Reorder Align Group Text If(vOutLead.result = "{}", "", vOutLead.result)

Tree view X

Search

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

popLabel Properties Rules Advanced

Text: No value  
Font: Open Sans  
Font size: 21  
Font weight: Normal  
Font style: / U   
Text alignment:   
Auto height: Off  
Line height: 1.2  
Overflow: Hidden  
Display mode: Edit

Visible: Off  
Position: X: 0 Y: 60  
Size: Width: 640 Height: 902

IT WON'T FAIL BECAUSE OF ME

Environment: fleetasarts.com (default)



Lead Details

Profile Picture: 

Save Lead: 

Name:

Email:  dmoney@icloud.com

Address:

Lead ID:

Map: 

Action Buttons:    



Name

dmoney@icloud.com

Address

Lead ID

Palm Springs Events

Lead ID: 1001

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



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps

Leads - Saved (Unpublished) - Po

Edit your flow | Microsoft Flow

American Flag

Star Bell Download Gear Help

Profile

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

Save Flow Checker Test

Home Approvals My flows Templates Connectors Data Learn

PowerApps Execute stored procedure Initialize variable Respond to PowerApps

Downward arrows indicating flow direction

+ New step

Save

IT WON'T FAIL BECAUSE OF ME

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

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

Flow

CheckLead

Home Approvals My flows Templates Connectors Data Learn

+ New step Save

PowerApps Execute stored procedure Initialize variable Respond to PowerApps

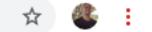
I'll perform the trigger action

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

Succeeded 8 hours ago  
Succeeded 8 hours ago  
Succeeded 9 hours ago

Save & Test Cancel

The screenshot shows the Microsoft Flow editor interface. On the left is a navigation sidebar with options like Home, Approvals, My flows, Templates, Connectors, Data, and Learn. The main workspace displays a workflow titled 'CheckLead' with four steps: 'PowerApps', 'Execute stored procedure', 'Initialize variable', and 'Respond to PowerApps'. To the right of the workspace is a 'Test Flow' panel. It contains a radio button for 'I'll perform the trigger action' and another for 'Using data from previous runs', which is selected. Below these are three log entries: 'Succeeded 8 hours ago', 'Succeeded 8 hours ago', and 'Succeeded 9 hours ago'. At the bottom of the test panel are 'Save & Test' and 'Cancel' buttons.



Flow

CheckLead

Edit

Hiram Fleitas  
fleitasarts.com (default)

Home

Your flow ran successfully.

Approvals

My flows

Templates

Connectors

Data

Learn



IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - Saved (Unpublished) - Po 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 ▾

Execute\_stored\_procedure

SQl



## Flow

← CheckLead



Home

Your flow ran successfully.



Approvals

My flows

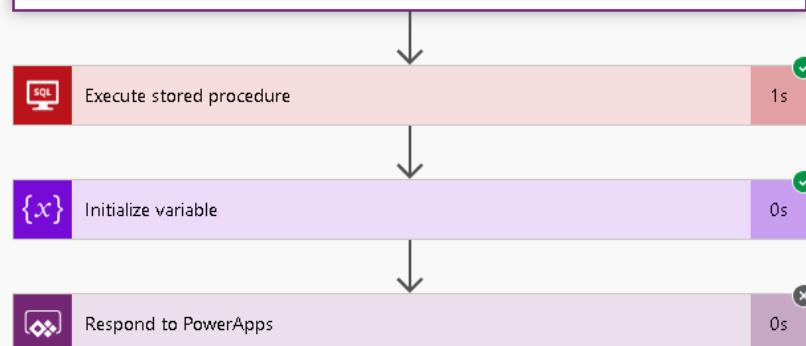
Templates

Connectors

Data

Learn

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

[Show less ^](#)



← 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 }] }}
```

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

Flow

CheckLead

Edit

Home Approvals My flows Templates Connectors Data Learn

{x} Initialize variable 0s

INPUTS

Name: output  
Type: String  
Value: {"Table1":[{"TicketId":2001,"LeadId":1001}]}

Respond to PowerApps 0s

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



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

Hiram Fleitas  
fleitasarts.com (default)

Home

Approvals

My flows

Templates

Connectors

Data

Learn

CheckLead > Run history

|  | Start time                   | Duration | Status         |  |
|--|------------------------------|----------|----------------|--|
|  | May 5, 12:33 PM (31 min ago) | 00:00:01 | Succeeded      |  |
|  | May 5, 12:31 PM (33 min ago) | 00:00:01 | Test succeeded |  |
|  | May 5, 3:32 AM (9 h ago)     | 00:00:00 | Succeeded      |  |
|  | May 5, 3:32 AM (9 h ago)     | 00:00:01 | Succeeded      |  |
|  | May 5, 3:32 AM (9 h ago)     | 00:00:01 | Succeeded      |  |



## Flow

[+ New](#) [Run now](#) [Edit](#) [Share](#) [Save As](#) [...](#)[Search](#)[Home](#)[Approvals](#)[My flows](#)[Templates](#)[Connectors](#)[Data](#)[Learn](#)

## Flows

[My flows](#)[Team flows](#)[Business process flows](#)

| 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 |

|                                       |
|---------------------------------------|
| <a href="#">Run now</a>               |
| <a href="#">Edit</a>                  |
| <a href="#">Share</a>                 |
| <a href="#">Save As</a>               |
| <a href="#">Send a copy (Preview)</a> |
| <a href="#">Export</a>                |
| <a href="#">Run history</a>           |
| <a href="#">Analytics</a>             |
| <a href="#">Turn flow off</a>         |
| <a href="#">Delete</a>                |
| <a href="#">Details</a>               |



Home



Approvals

Usage   Errors

Select range

Last 30 days



My flows

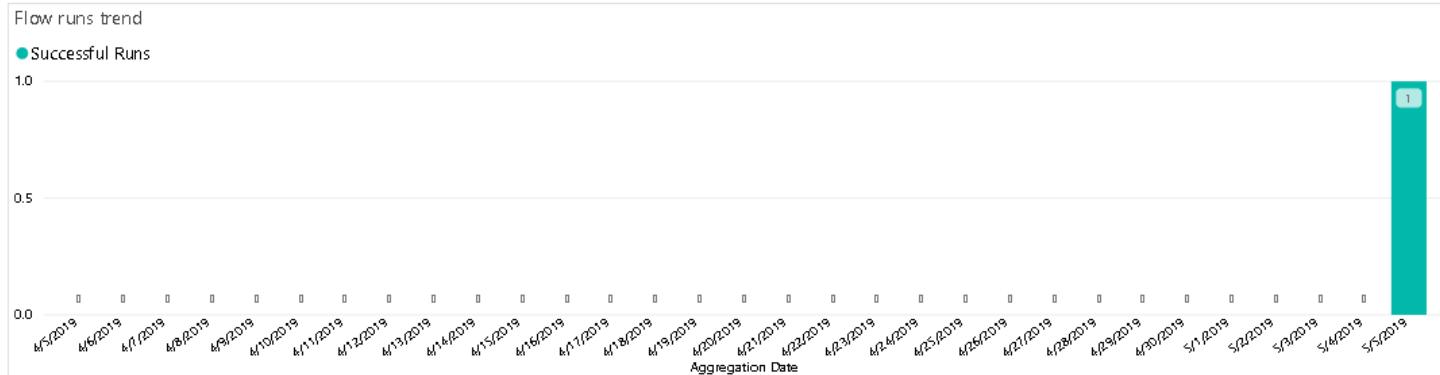
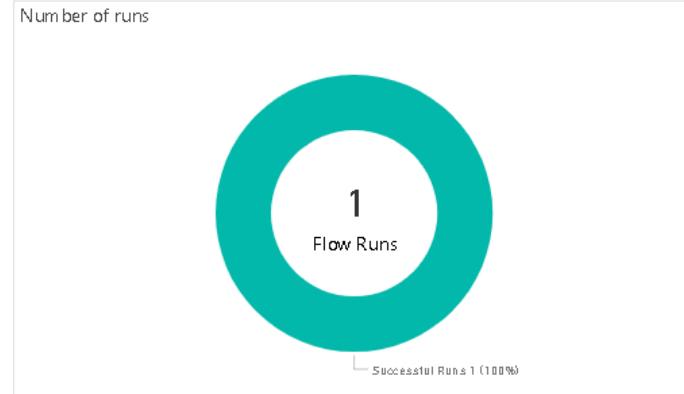
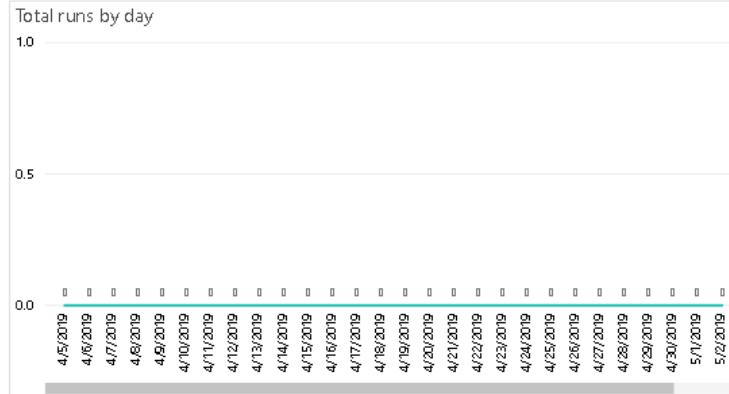
Templates

Connectors

Data



Learn



DEMO

four

# Data Gateway





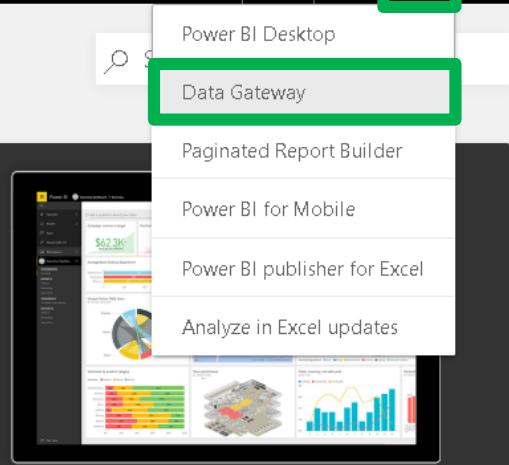
Good afternoon, Hiram

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



Retweets

- Home
- Favorites >
- Recent >
- Apps
- Shared with me
- Workspaces >
- My Workspace >



Get Data

<https://go.microsoft.com/fwlink/?LinkId=698861>



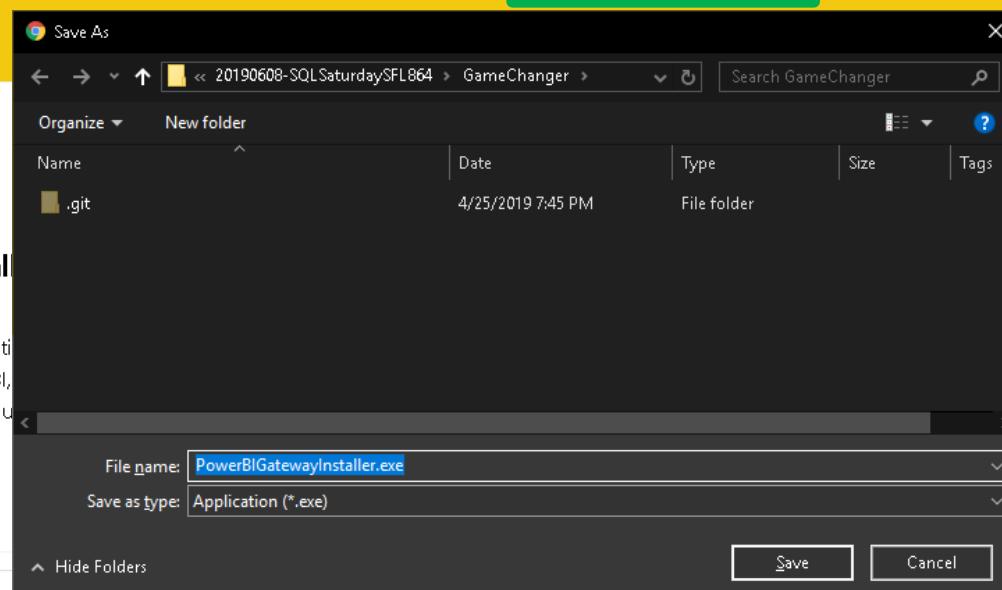
# Keep your dashboards and reports up-to-date with your on-premises data sources

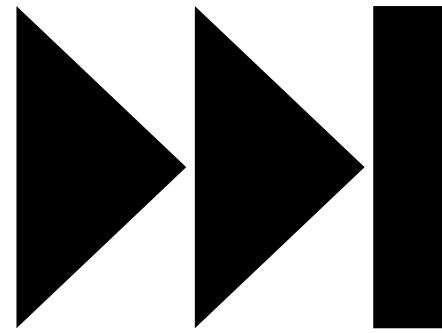


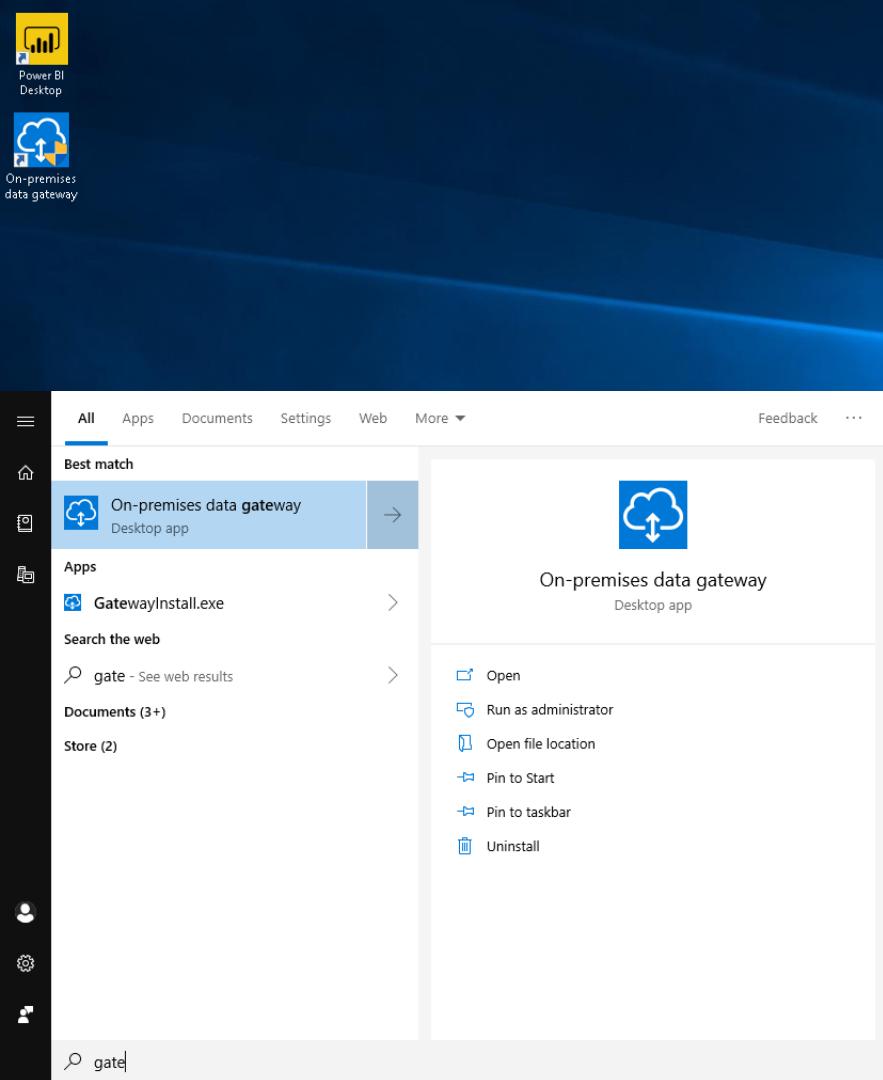
## One gateway for all services

Install once and deploy multi 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  
DesktopOn-premises  
data gateway

## On-premises data gateway

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

[Next](#) [Cancel](#)

# Microsoft Azure

Microsoft  
← hiram@fleitasarts.com

### Enter password

••••••••••

[Forgot my password](#)

[Sign in](#)

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)

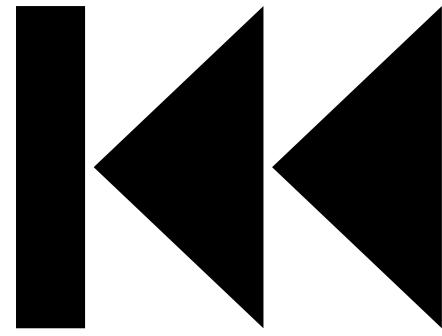
Help us improve the on-premises data gateway by sending usage information to Microsoft.  
[Read the privacy statement online](#)

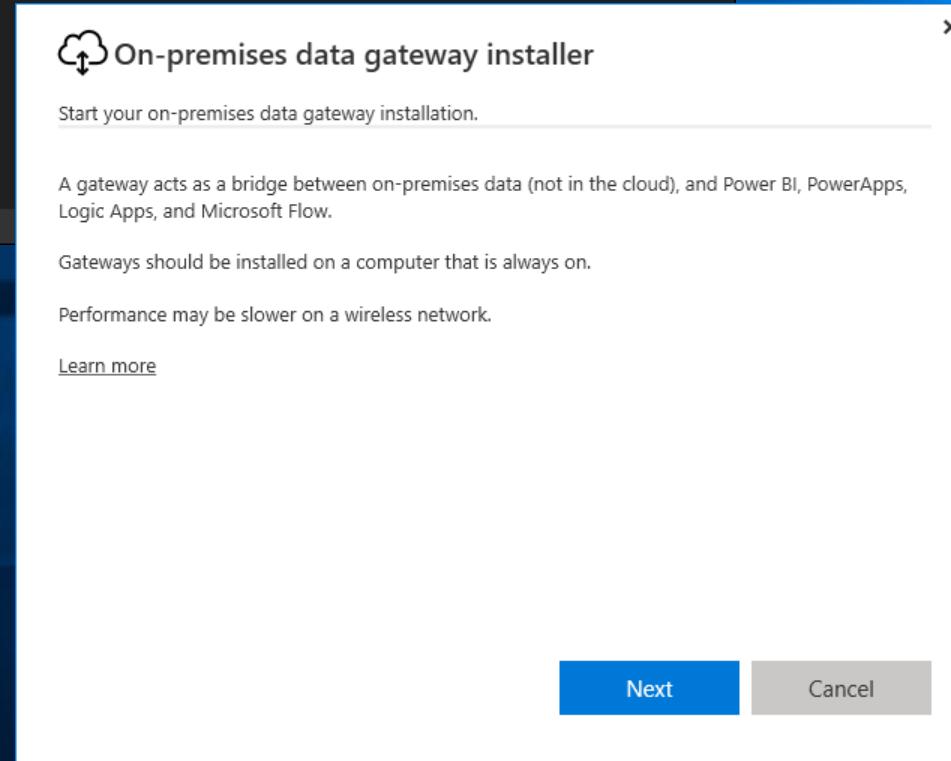
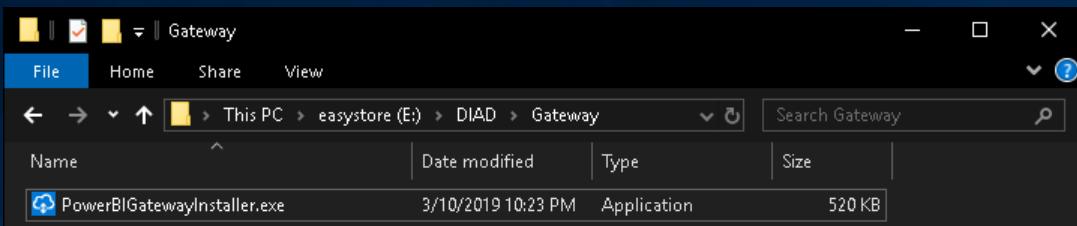
**Logic Apps, Azure Analysis Services** [Create a gateway in Azure](#)  
East US 2

**PowerApps, Microsoft Flow** Default environment Ready

**Power BI** Default environment Ready

[Close](#)



Power BI  
DesktopOn-premises  
data gateway



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

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

A horizontal progress bar consisting of a long blue segment followed by a shorter grey segment, indicating the time remaining for the installation process.

Next

Cancel



Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installation

### 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.

?

x

Next

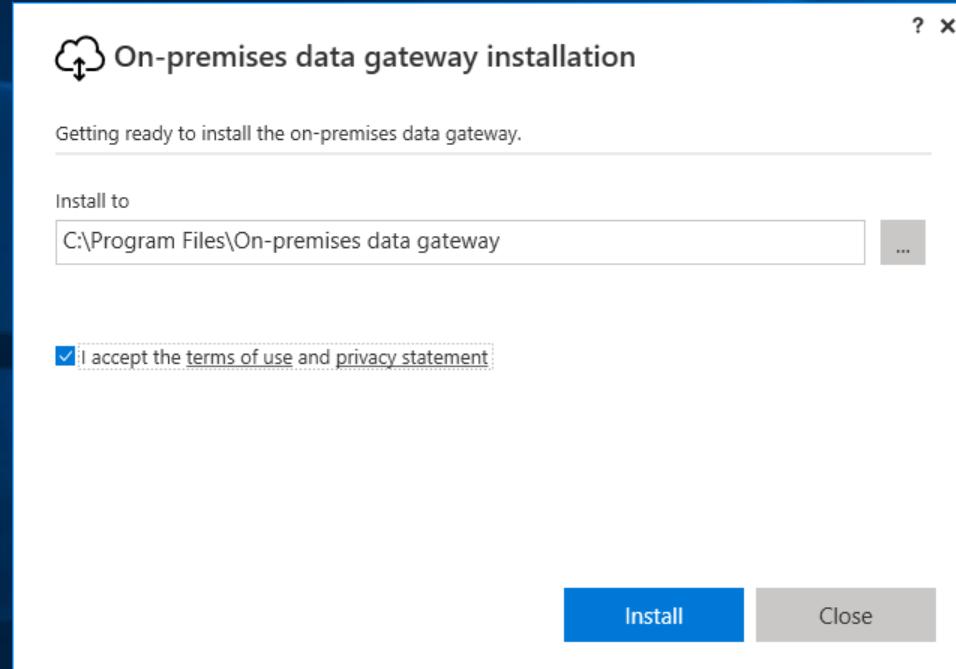
Cancel



Power BI  
Desktop



On-premises  
data gateway





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway installation

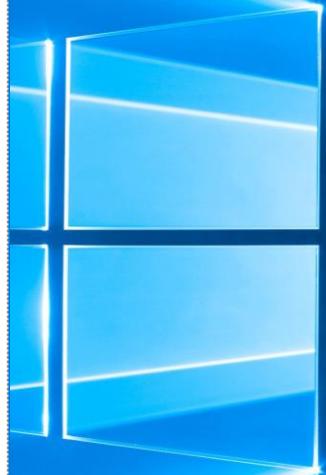
? x

Installing your on-premises data gateway.

Please wait



Cancel





Power BI  
Desktop



On-premises  
data gateway



## On-premises data gateway



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

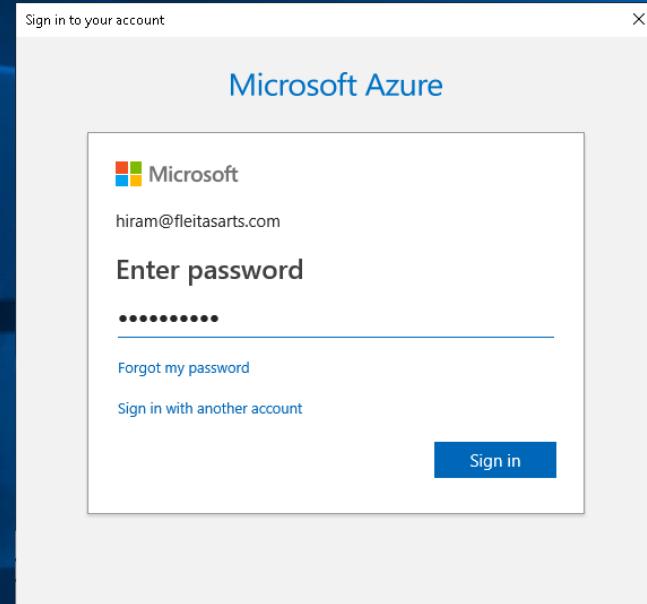
Cancel



Power BI  
Desktop



On-premises  
data gateway



Power BI  
DesktopOn-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)

\*\*\*\*\*

ⓘ 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** Default environment Ready

**Power BI** Default environment Ready

[Close](#)



Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

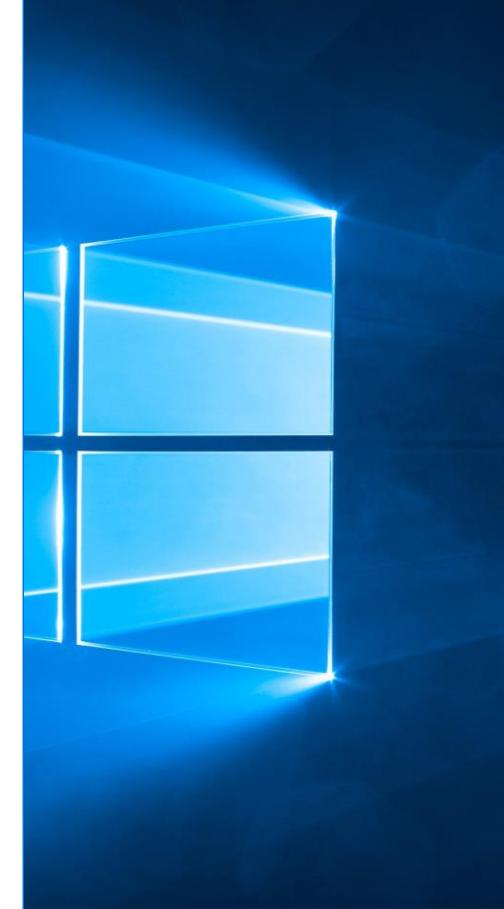
?

X

|                  |                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status           | Restart the gateway                                                                                                                                                                                                   |
| Service Settings | <p>It is recommended to restart the gateway everytime you make changes to the gateway configuration files.</p> <p><a href="#">Restart now</a></p>                                                                     |
| Diagnostics      |                                                                                                                                                                                                                       |
| Network          |                                                                                                                                                                                                                       |
| Connectors       | <p>Gateway service account</p> <p>Change the service account your gateway is running as. The gateway is currently running as NT SERVICE\PBIEgwService.</p> <p>You need to be signed in to change service account.</p> |

Sign in

Close



Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway



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

Service Settings

Diagnostics

Network

Connectors

Network status: Connected

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

[Check now](#)

HTTPS mode

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?

Close

The screenshot shows the 'On-premises data gateway' configuration window from Power BI Desktop. The 'Network' tab is selected. It displays the network status as 'Connected' and provides a link to check if the gateway can reach outside the network. A toggle switch for 'HTTPS mode' is turned on. A modal dialog box is displayed in the foreground, asking for confirmation to apply changes and restart the gateway. The 'Apply & Restart' button is highlighted with a dashed border. The background features a blue Windows 10 desktop environment with a blurred window title bar.

Power BI  
DesktopOn-premises  
data gateway

## On-premises data gateway

?

X

Status

Service Settings

Diagnostics

Network

Connectors

Custom data connectors

[Learn more](#)

Load custom data connectors from folder:

C:\Users\PBIEgwService\Documents\Power BI Desktop\Custom

...

Folder not found.

Ensure the gateway service account has permission to access the selected folder.  
The gateway service account is NT SERVICE\PBIEgwService.

Close

DEMO

# five

# Siri



AT&T LTE 11:02 PM 71%

< PowerAppsRLS ▾

total ...

90

accounts ...

9

- Siri shortcut  
Create a Siri shortcut for opening this dashboard
- Q&A
- Invite
- Favorite
- Comment

AT&T LTE 11:02 PM 71%

Cancel



## Add to Siri

Add a custom phrase Siri can use to tell Power BI to run this shortcut.

When I say:

Open PowerAppsRLS 

Do:

Open your dashboard in Power BI

**Add to Siri**

[Cancel](#)

## Edit Shortcut

When I say:

Growth by country| 

Do:



Open your dashboard in Power BI

**Save Shortcut**

**Delete Shortcut**

country's

countryman



Show growth by [country](#)

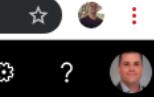


DEMO

six

# Publish & Share Security Governance

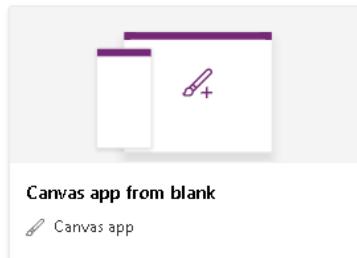




## Build business apps, fast

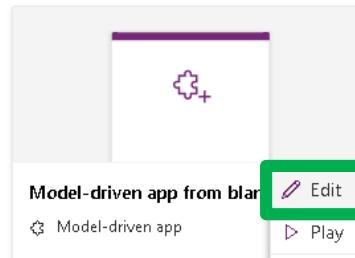
Create apps that connect to your data and work across web and mobile. [Learn about PowerApps](#)

### Make your own app



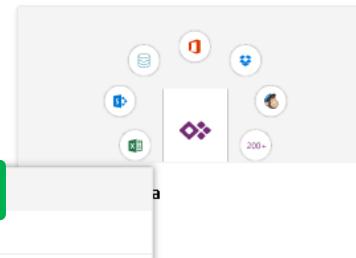
Canvas app from blank

Canvas app



Model-driven app from blank

Model-driven app



PowerApps Training for Office

Canvas app

[All templates →](#)

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

... 2 wk ago

Owner

Type

### Recent apps

Shared with me

Name

Leads



[All apps →](#)



Microsoft PowerApps Leads - Saved (Unpublished) - Po +

IT WON'T FAIL BECAUSE OF ME

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 green arrow points upwards from the 'Save' button in the sidebar to the 'Publish' button in the main content area, highlighting the transition from saving locally to publishing the app.





## App settings

New

Open

Account

Connections

Flows

App settings

Save

Save as

Share

Collections

Media

Variables



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

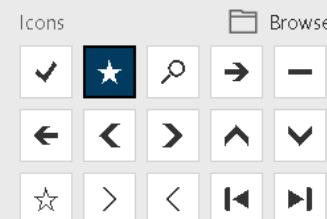
Preview



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|

Microsoft PowerApps Leads - Saved (Unpublished) - Po +

IT WON'T FAIL BECAUSE OF ME

← 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 screenshot of the Microsoft PowerApps Studio interface showing a 'Save' dialog for a 'Leads' app. The dialog displays the environment as 'fleitasarts.com (default)', the save date as '5/23/2019, 12:58:32 AM', and a confirmation message '✓ All changes are saved.' Below the message are two buttons: 'Publish' (in a purple bar) and 'See all versions'. A green arrow points upwards from the bottom of the dialog towards the 'Publish' button. The left sidebar lists various options like New, Open, Account, etc., with 'Save' currently selected.



## Save

## Leads

Environment: fleitasarts.com (default)

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

All changes are saved.

Publish

See all versions

App settings

Save

Save as

Share

Collections

Media

Variables

## 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



## 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](#)[New](#)[Open](#)[Account](#)[Connections](#)[Flows](#)[App settings](#)[Save](#)[Save as](#)[Share](#)[Collections](#)[Media](#)[Variables](#)

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 Christina

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 ⓘ

Make sure your users have access to the data used in your app, including gateways, APIs, connectors, and entities.

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

A green arrow points from the bottom right of the main content area towards the 'Share' button at the bottom right of the sharing dialog.

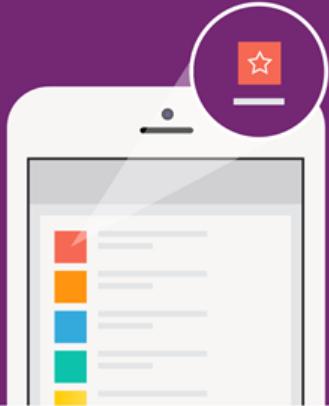


## Productivity



# 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](#)PowerApps ▾  
MY APPS

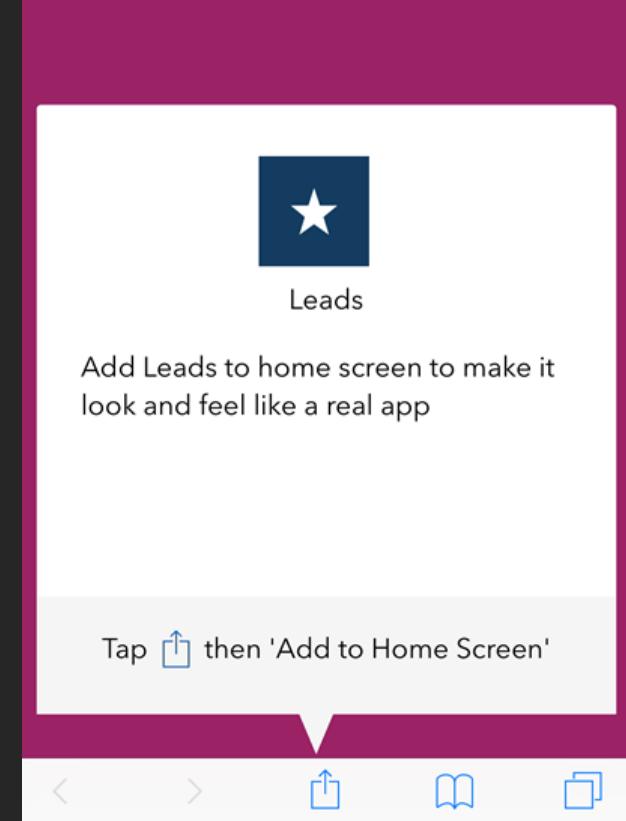
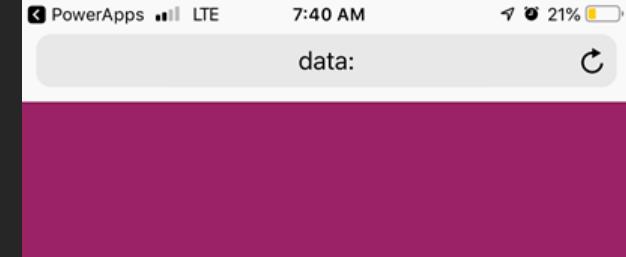
Leads

Hiram Fleitas

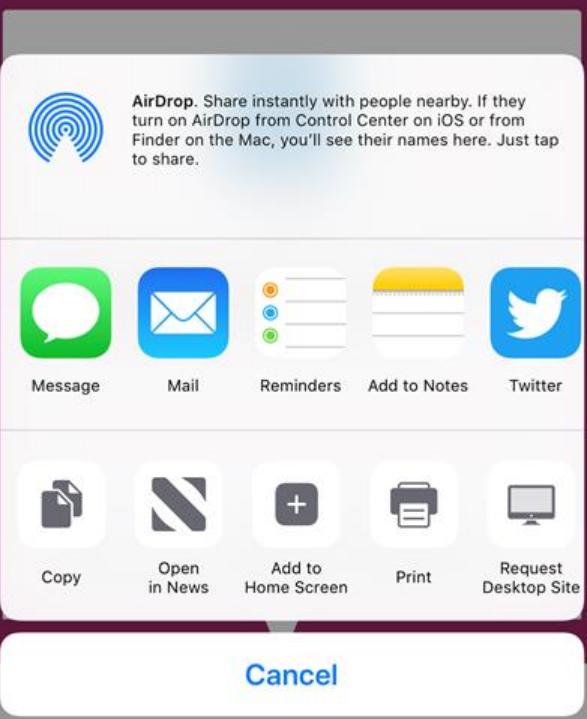
fleitasarts.com (default)

...

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



data:



Cancel

Add to Home Screen

Add

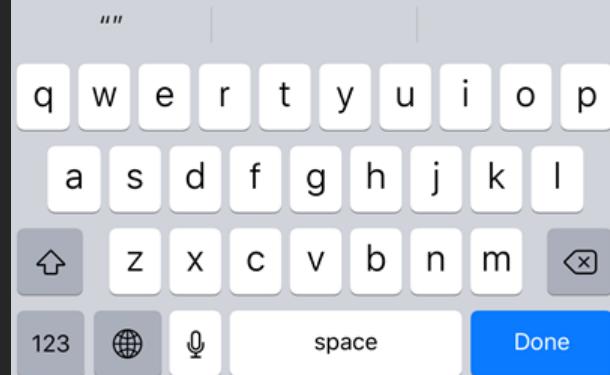


Leads



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:



Bing Maps ⓘ Pre...  
Bing Maps

✓ Signed in ⋮



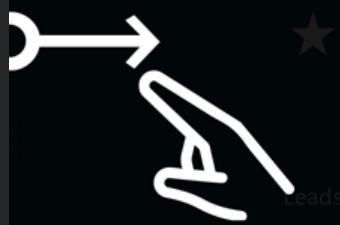
SQL Server  
localhost

✓ Signed in ⋮



Location

Swipe from the left edge to close app

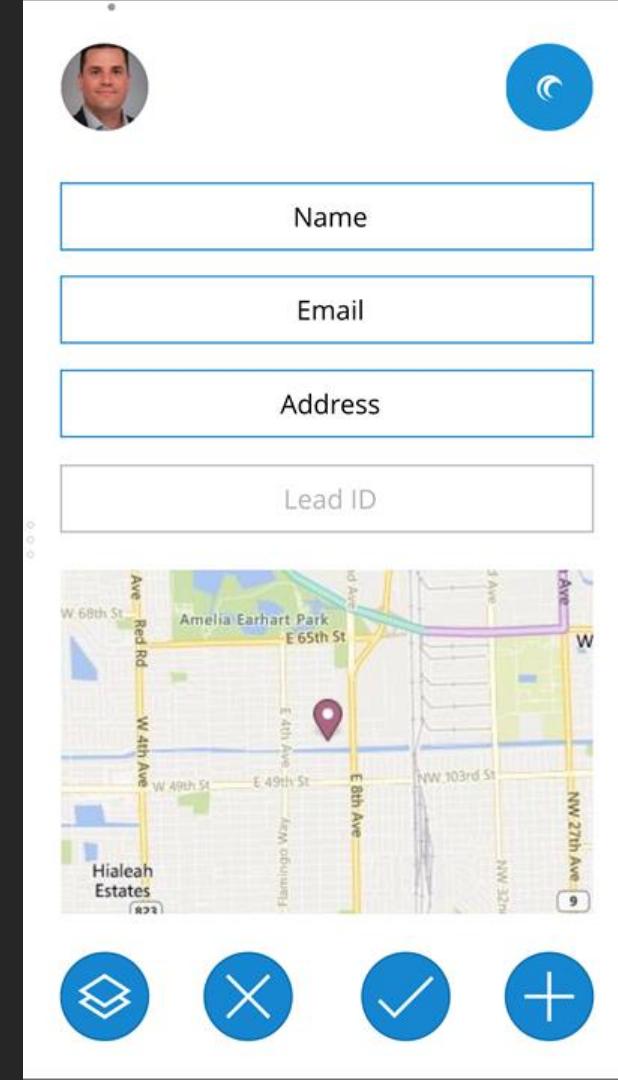
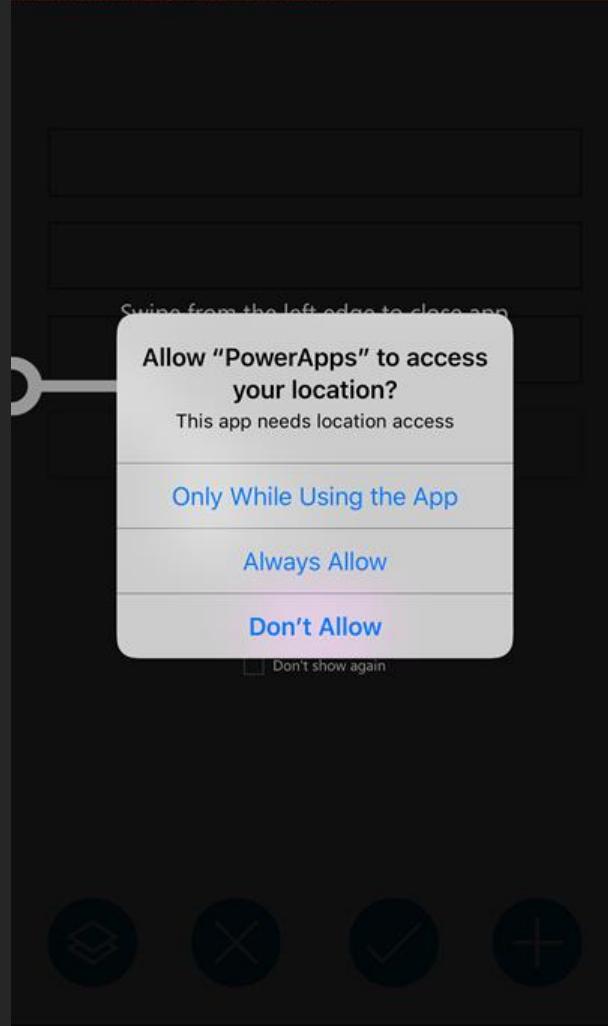


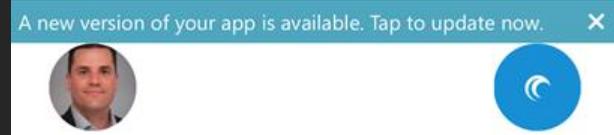
Got it

Don't show again

Allow

Don't Allow



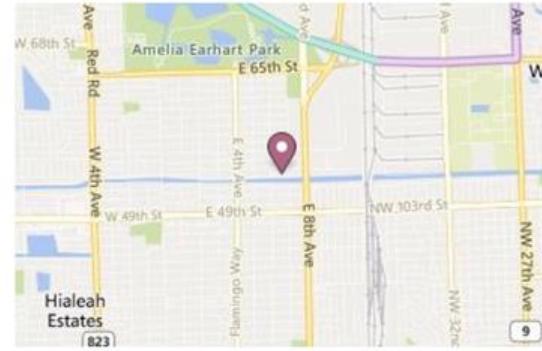


Name

Email

Address

Lead ID



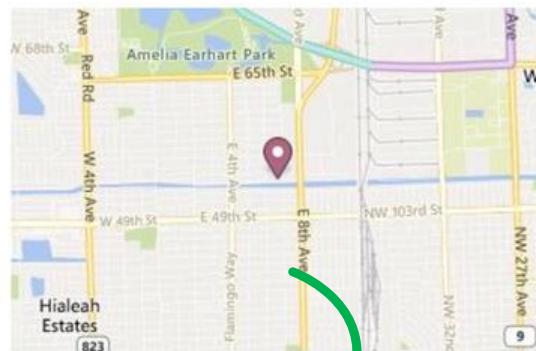


Name

Dmoney@icloud.com

Address

Lead ID



Name

Dmoney@icloud.com

Address

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





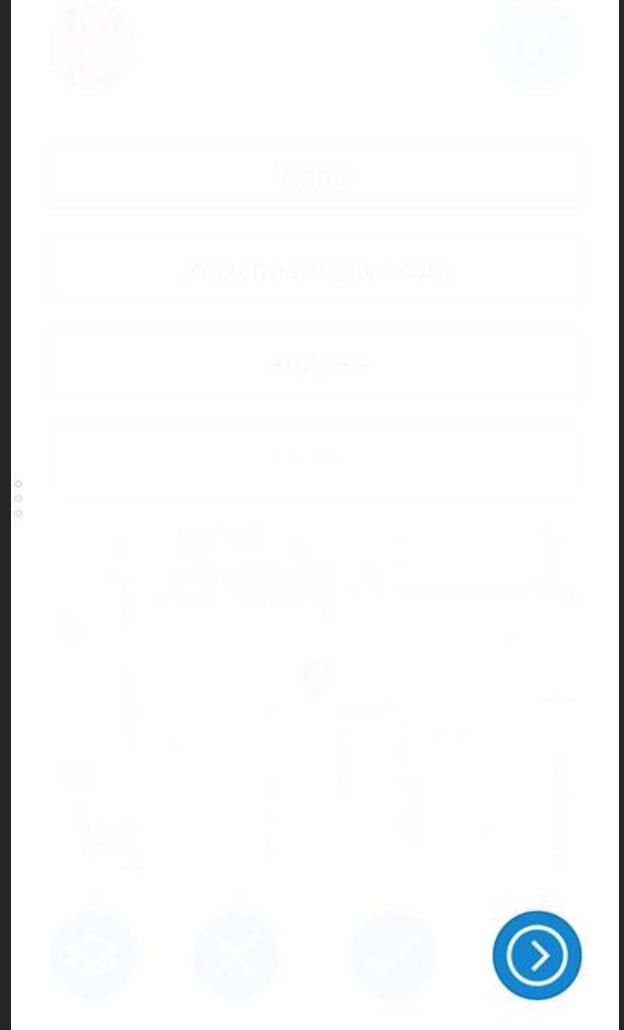
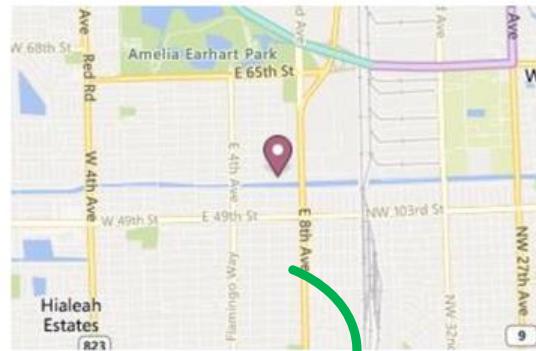
Tony

Wakeboard@live.com

Address

Lead ID

...  
...



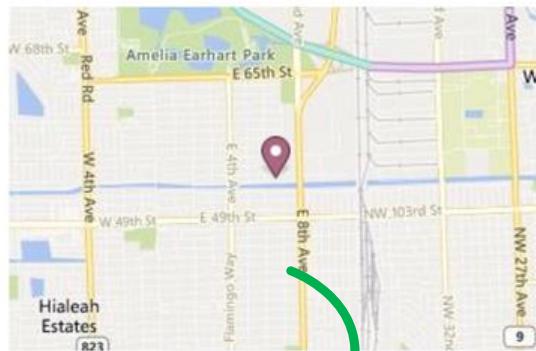


Jackie

Hr@icloud.com

Address

Lead ID



Name

Hr@icloud.com

Address

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

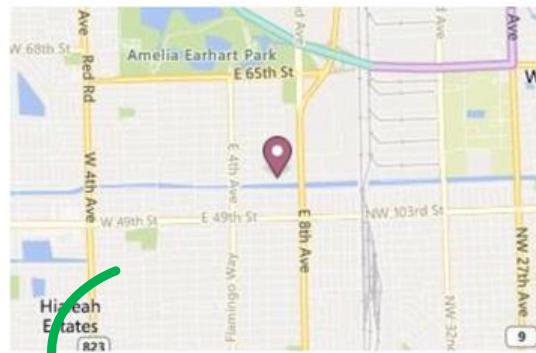


Tony

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

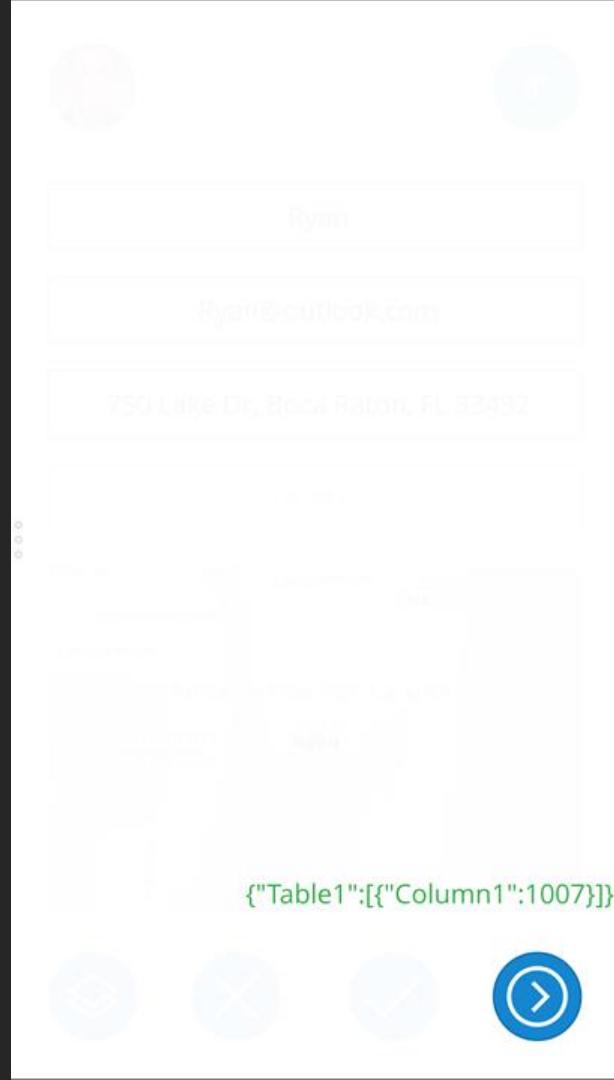
Lead ID



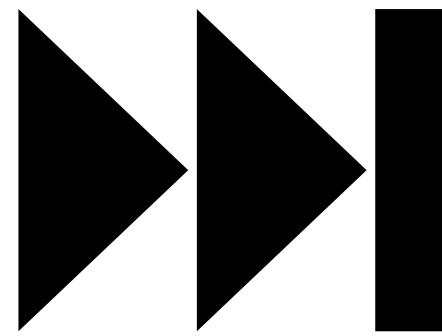
Ryan

Ryan@outlook.com

750 Lake Dr, Boca Raton, FL 33432

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







← → ⌂ ⌂ Leads - PowerApps × Microsoft PowerApps +

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

PowerApps Environment fleitasarts.com (default) ⌂ ⌂ ⌂ ?

☰

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**Apps**

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

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

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps Leads - PowerApps Microsoft PowerApps

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

PowerApps

Environment fleitasarts.com (default)

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

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Apps > Leads

Details Versions Connections Flows Analytics (preview)

| 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        |           |         |

IT WON'T FAIL BECAUSE OF ME

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

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

PowerApps

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

Search

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Environment fleitasarts.com (default)

Apps > Leads

Details Versions **Connections** Flows Analytics (preview)

| Name                                      |
|-------------------------------------------|
| Bing Maps<br>Bing Maps (preview)          |
| hiram@fleitasarts.com<br>Office 365 Users |
| localhost<br>SQL Server                   |

IT WON'T FAIL BECAUSE OF ME

Microsoft PowerApps X

Leads - Saved (Unpublished) - Po X

Microsoft PowerApps X

+

← → C Home 🔒 https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/apps/daece9ba-da58-4f99-8093-5f997efe6e12/flows ☆ ...

PowerApps

Environment fleitasarts.com (default) ↓ 🔔 ⚙️ ?

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

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Solutions

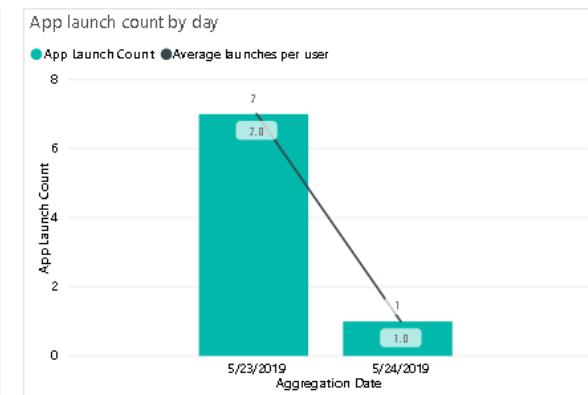
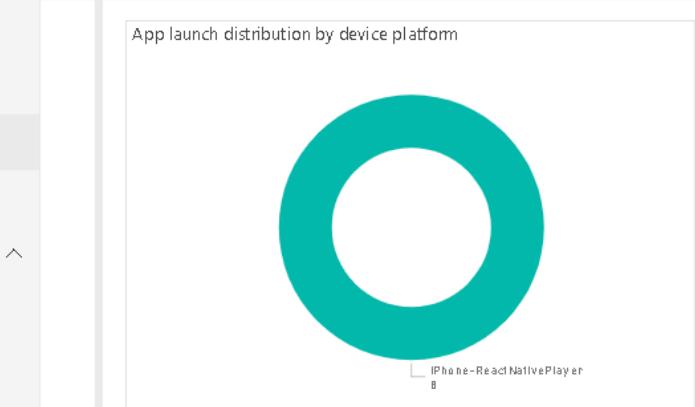
## Apps > Leads

Details Versions Connections Flows Analytics (preview)

| Name       |
|------------|
| CheckLead  |
| LinkLead   |
| AddLead    |
| DeleteLead |

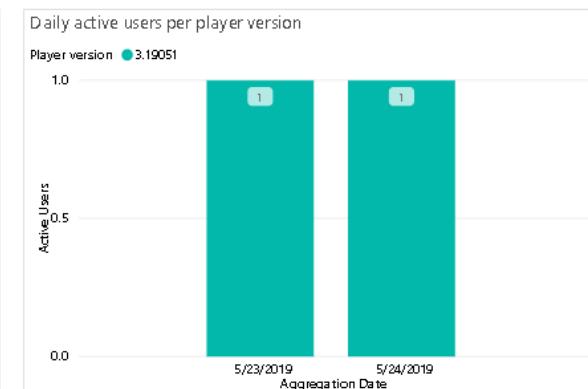
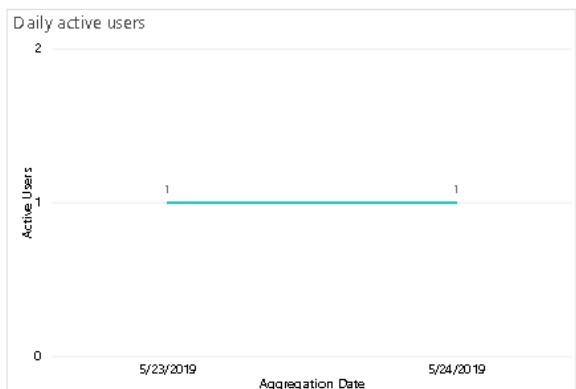


## PowerApps

Environment  
feilitarts.com (default)[Edit](#) [Play](#) [Share](#) [Export package \(preview\)](#) [Analytics \(preview\)](#) [Settings](#) [Delete](#)[Home](#)[Learn](#)[Apps](#)[Create](#)[Data](#)

Device platform

- Select all
- iPhone-ReactNativePlayer



App version

- Select all
- 3.19051

Country or region

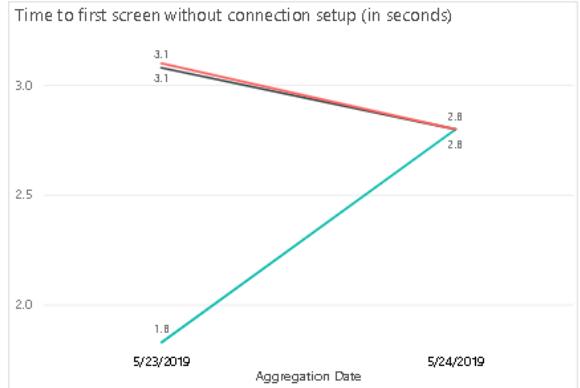
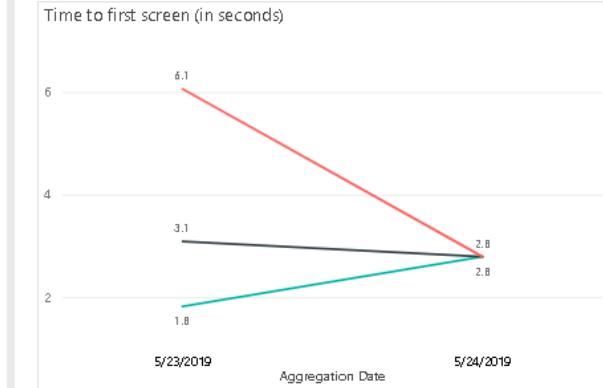
- Select all
- United States



## PowerApps

Environment  
feilitarts.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](#)



Device platform

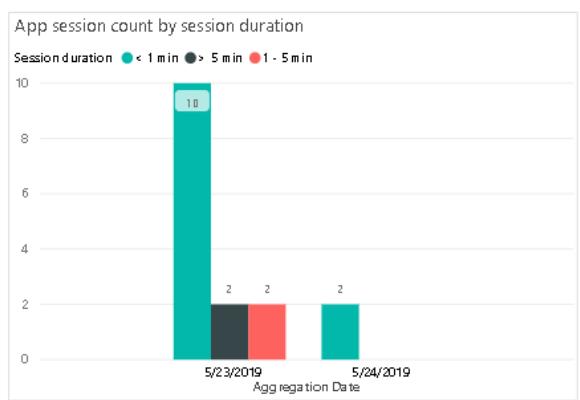
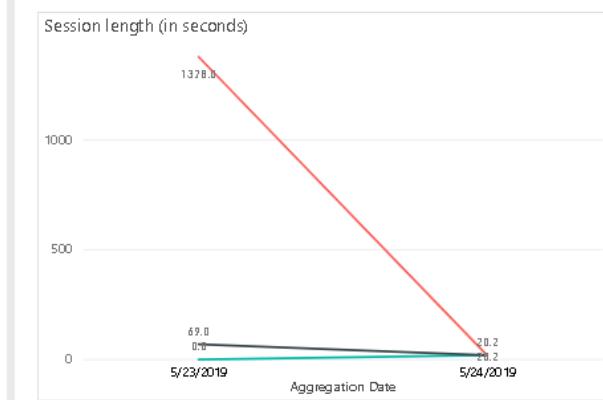
- Select all
- iPhone-ReactNativePlayer

App version

- Select all
- 3.19051

App open scenario

- Select All
- Regular open



Country or region

- Select all
- United States

[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 launches across the world



Device platform

- Select all
- iPhone-ReactNativePlayer

App launches by country

United States

0 1 2 3 4 5 6 7 8

App version

- Select all
- 3.19051

IT WON'T FAIL BECAUSE OF ME

The screenshot shows the Microsoft PowerApps interface. At the top, there are three tabs: "Microsoft PowerApps", "Leads - Saved (Unpublished) - Po", and "Microsoft PowerApps". The central content area displays the "Gateways" page under the "PowerApps" environment. The environment name is "fleitasarts.com (default)". A search bar is at the top right. On the left, a sidebar menu includes "Home", "Learn", "Apps", "Create", "Data", "Entities", "Connections", "Custom connectors", "Gateways" (which is selected and highlighted in purple), "Business logic", "Flows", and "Solutions". The main content area shows a table titled "Gateways" with one entry: "Hiram" with contact information "hiram@fleitasarts.com". A "New gateway" button is at the top left of the main content area.

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

PowerApps

Environment  
fleitasarts.com (default)

Search

New gateway

## Gateways

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

Canvas

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

IT WON'T FAIL BECAUSE OF ME

The screenshot shows the Microsoft PowerApps interface with the following details:

- Top Navigation:** Three tabs are visible: "Microsoft PowerApps" (active), "Leads - Saved (Unpublished) - Po" (inactive), and "Microsoft PowerApps".
- Header:** The URL is <https://web.powerapps.com/environments/Default-800d472c-8288-4f27-8978-f726a7a3d1f0/logicflows>. The environment is listed as "fleitasarts.com (default)".
- Left Sidebar:** A navigation menu with icons and labels: Home, Learn, Apps, Create, Data (with sub-items Entities, Connections, Custom connectors, Gateways), Business logic (with sub-item Flows selected), and Solutions.
- Main Content Area:** The title is "Flows". Below it, three tabs are shown: "My flows" (selected), "Team flows", and "Business process flows".

|  | Name       | Modified | Type    |
|--|------------|----------|---------|
|  | CheckLead  | 2 wk ago | Instant |
|  | DeleteLead | 2 wk ago | Instant |
|  | LinkLead   | 2 wk ago | Instant |
|  | AddLead    | 2 wk ago | Instant |
- Top Right:** A search bar labeled "Search" and several small icons for notifications, settings, and help.

≡

- Home
- Favorites
- Recent
- Apps
- Shared with me
- Workspaces
- My Workspace

## 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            | 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... |        |

[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](#)[Need help?](#)[Feedback](#)



## Office 365 Security &amp; Compliance



Home &gt; 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

 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... |        |
| 2019-05-24 11:46:28 |            | hiram@fleitasarts.com     | Edited app   | daece9ba-da58-4f99-80... |        |
| 2019-05-24 11:09:41 |            | hiram@fleitasarts.com     | Launched app | daece9ba-da58-4f99-80... |        |
| 2019-05-23 21:08:04 |            | christina@fleitasarts.com | Launched app | daece9ba-da58-4f99-80... |        |
| 2019-05-23 21:07:24 |            | christina@fleitasarts.com | Launched app | daece9ba-da58-4f99-80... |        |
| 2019-05-23 20:59:04 |            | hiram@fleitasarts.com     | Launched app | daece9ba-da58-4f99-80... |        |
| 2019-05-23 17:02:45 |            | hiram@fleitasarts.com     | Launched app | daece9ba-da58-4f99-80... |        |
| 2019-05-23 17:02:45 |            | hiram@fleitasarts.com     | Launched app | daece9ba-da58-4f99-80... |        |

## 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](#)[Need help?](#)[Feedback](#)



## 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            | 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... |        |

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

flow

Enabled legacy workflow

## Power BI activities

|                                             |                                     |                                                  |
|---------------------------------------------|-------------------------------------|--------------------------------------------------|
| Generated Power BI dataflow SAS token       | Created Power BI dataflow           | Updated Power BI dataflow                        |
| Deleted Power BI dataflow                   | Viewed Power BI dataflow            | Exported Power BI dataflow                       |
| Set scheduled refresh on Power BI dataflow  | Requested Power BI dataflow refresh | Received Power BI dataflow secret from Key Vault |
| Attached dataflow storage account           | Migrated dataflow storage location  | Updated dataflow storage assignment permissions  |
| Set dataflow storage location for workspace | Took ownership of Power BI dataflow | Canceled Power BI dataflow refresh               |

## 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](#)[Need help?](#)[Feedback](#)



https://protection.office.com/unifiedauditlog

## 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                                                         |                                                                                           | Results 21 results found |                |                       |              |                                             |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------|----------------|-----------------------|--------------|---------------------------------------------|
|                                                                |                                                                                           | Date ▾                   | IP address     | User                  | Activity     | Item                                        |
| Activities                                                     | Created flow, ... (7) ▾                                                                   | 2019-05-23 08:15:20      | 73.204.201.129 | hiram@fleitasarts.com | Deleted flow | <a href="#">https://admin.flow.micro...</a> |
| Start date                                                     | 2019-04-13 <input type="button" value="Calendar"/> 00:00 <input type="button" value="▼"/> | 2019-05-05 12:31:48      | 73.204.201.129 | hiram@fleitasarts.com | Edited flow  | <a href="#">https://admin.flow.micro...</a> |
| End date                                                       | 2019-05-25 <input type="button" value="Calendar"/> 00:00 <input type="button" value="▼"/> | 2019-05-05 03:24:42      | 73.204.201.129 | hiram@fleitasarts.com | Edited flow  | <a href="#">https://admin.flow.micro...</a> |
| Users                                                          | Show results for all users                                                                | 2019-05-05 03:21:56      | 73.204.201.129 | hiram@fleitasarts.com | Created flow | <a href="#">https://admin.flow.micro...</a> |
| File, folder, or site <span style="color: #0078D4;">(1)</span> | Add all or part of a file name, folder name, or URL.                                      | 2019-05-05 03:19:51      | 73.204.201.129 | hiram@fleitasarts.com | Deleted flow | <a href="#">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...</a> |
|                                                                |                                                                                           | 2019-05-05 03:18:55      | 73.204.201.129 | hiram@fleitasarts.com | Edited flow  | <a href="#">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                           | Date                | IP address     | User                  | Activity     | Item                        | Detail |
|--------------------------------------|---------------------|----------------|-----------------------|--------------|-----------------------------|--------|
| Viewed Power BI dashboard ... (38) ▾ | 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](#)[Need help?](#)[Feedback](#)



## 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": "fb32b502-2c42-495f-a...
 "DatasetName": "Social"
 }]
```

Need help?Feedback



## 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 for 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.

Search

[+ New alert policy](#)

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. |

## New alert policy

## Name \*

Edited Flow

## Description

## Alert type

Custom

## Send this alert when...\*

## Activities \*

Edited flow

## Users:

Show results for all users

[Need help?](#)[Feedback](#)



## Office 365 Security &amp; Compliance



Home &gt; 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.

Search

## 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

Need help?

Feedback

## 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

[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

[Need help?](#)[Feedback](#)



## Microsoft 365 compliance

[Home](#)[Alerts](#)[Monitoring & reports](#)[Classification](#)[Policies](#)

## Solutions

[eDiscovery](#)[Supervision](#)[Data subject requests](#)[Permissions](#)[More resources](#)

## Assess

## Microsoft Compliance Score

**Total score: 2926/4536**

This score reflects your organization's data protection posture and cloud service compliance with various standards and regulations. Improve your score in Compliance Manager.

**ISO 27001:2013** 794 / 1078**NIST 800-53** 1868 / 2832**GDPR** 264 / 626 Assessment score  Incomplete actions

## Cloud app compliance

**Review cloud app co...**

Some of your cloud apps might not meet compliance requirements for these regulations

**GDPR****HIPAA****ISO-27001****SOC1****FINRA** Non-compliant apps  Non-compliant apps

## Users with the most shared files

Users currently sharing the most files from cloud apps

| User | Files shared |
|------|--------------|
|------|--------------|

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

[Need help?](#)[Feedback](#)



Service Trust Portal

Compliance Manager

Trust Documents

Industries &amp; Regions

More

[Help](#)

# Compliance Manager

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

**Office 365 - GDPR**[Actions](#)Created  
5/5/2019Modified  
5/5/2019

## Compliance Score

**Customer Managed Actions**

0 of 65

**Microsoft Managed Actions**

49 of 49

## Default Group

**Office 365 - NIST 800-53**[Actions](#)Created  
5/5/2019Modified  
5/5/2019

## Compliance Score

**Customer Managed Actions**

0 of 215

**Microsoft Managed Actions**

853 of 853

## Default Group

**Office 365 - ISO 27001:2013**[Actions](#)Created  
5/5/2019Modified  
5/5/2019

## Compliance Score

**Customer Managed Actions**

0 of 60

**Microsoft Managed Actions**

232 of 232

**Default Group**

Assessment Status

**Default Group**

Assessment Status

**Default Group**

Assessment Status



## 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 & 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](#)

[Search for users](#)

Search for users

...

Recommendations

Let users classify their content

Let users classify their content



✓ 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

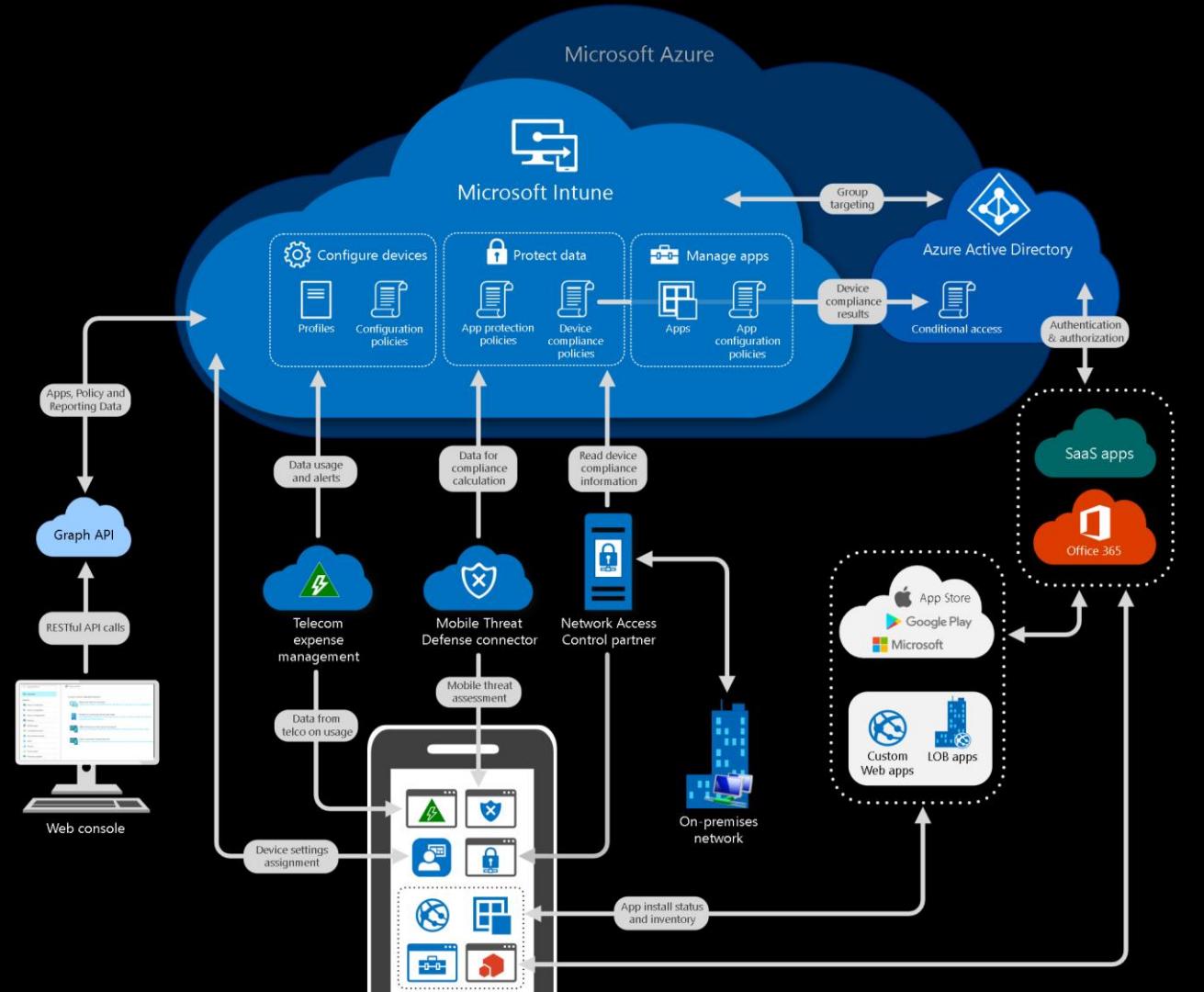
[Microsoft Secure Score](#)

**Total score: 69/707**

This score reflects the collective security state of your identities, data, and applications.

[Need help?](#)

[Feedback](#)



End

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

IT WON'T FAIL BECAUSE OF ME

Microsoft | PowerApps

Sign in | Sign up free

Apps that mean business

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

GET STARTED FREE >

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

# Summary

1. Azure Data Studio Notebook
2. PowerApps
3. Microsoft Flow
4. Data Gateway
5. Siri
6. Publish & Share – Security

# Resources

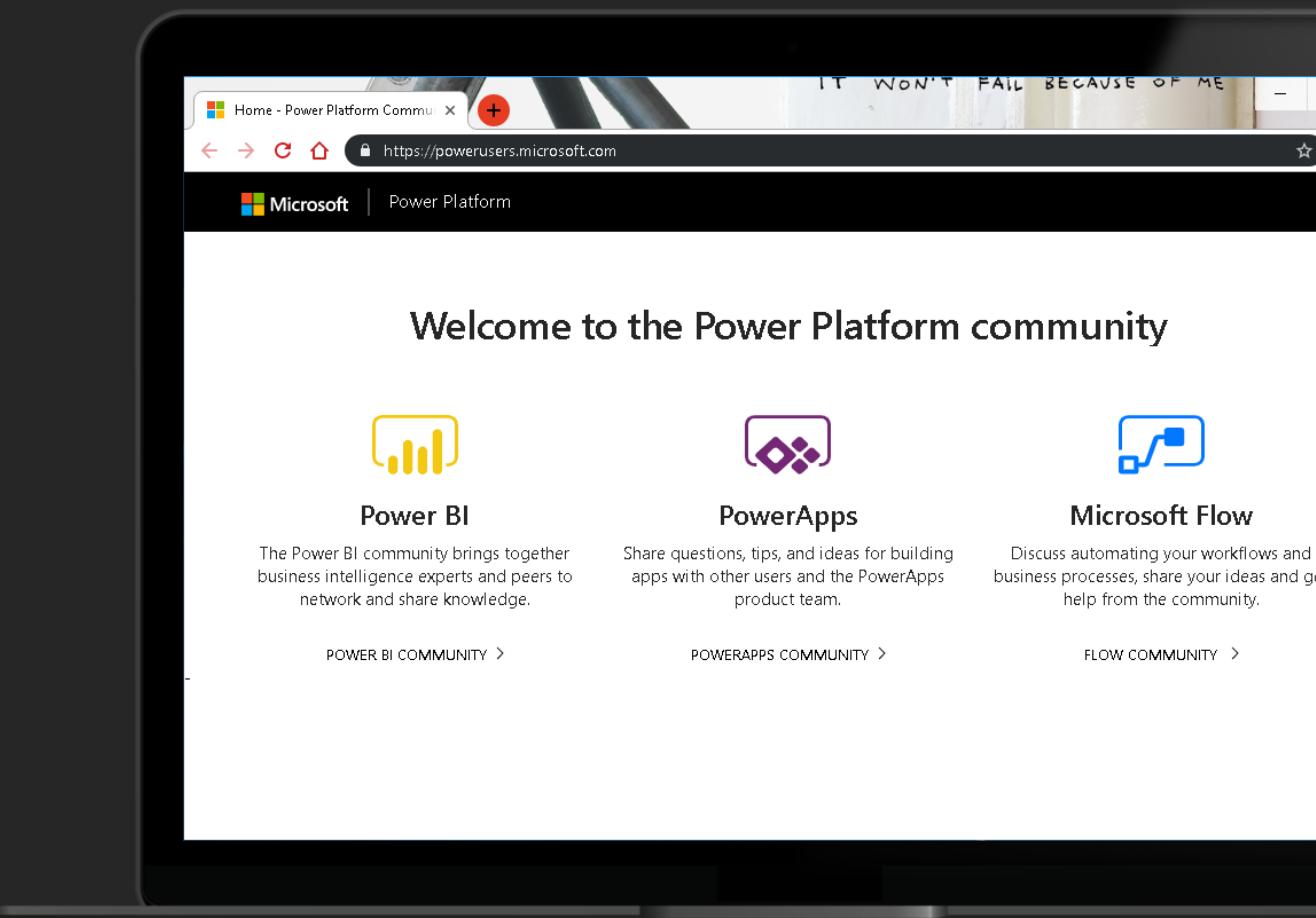
1. [fleitasarts.com](http://fleitasarts.com)
2. [github.com/hfleitas/pbifest2019](https://github.com/hfleitas/pbifest2019)
3. [Microsoft Learn](#)
4. [Pricing](#)
5. [Integrating Bing Maps with GPS](#)
6. [Scrolling Screen](#)
7. [Display User Profile Photo](#)

# Resources

8. Modal (Pop-up) Screen
9. Image Circle Crop
10. Siri Shortcuts
11. Sample canvas apps (Expense Report, Help Desk, Meeting Capture)
12. Webinar Listing
13. ROI Case Study

# Community

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



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

[POWER BI COMMUNITY >](#)

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

[POWERAPPS COMMUNITY >](#)

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

[FLOW COMMUNITY >](#)



Link to Eval:

[bit.ly/pbifest19](https://bit.ly/pbifest19)

Your participation is very important.

# Hiram Fleitas

## Owner, Fleitas Arts



@hiramfleitas



hiram@fleitasarts.com



fleitasarts.com



/hfleitas



hiramfleitas

Thank  
You

