



Microsoft Technology Center

Microsoft PowerApps, Power BI, & Flow

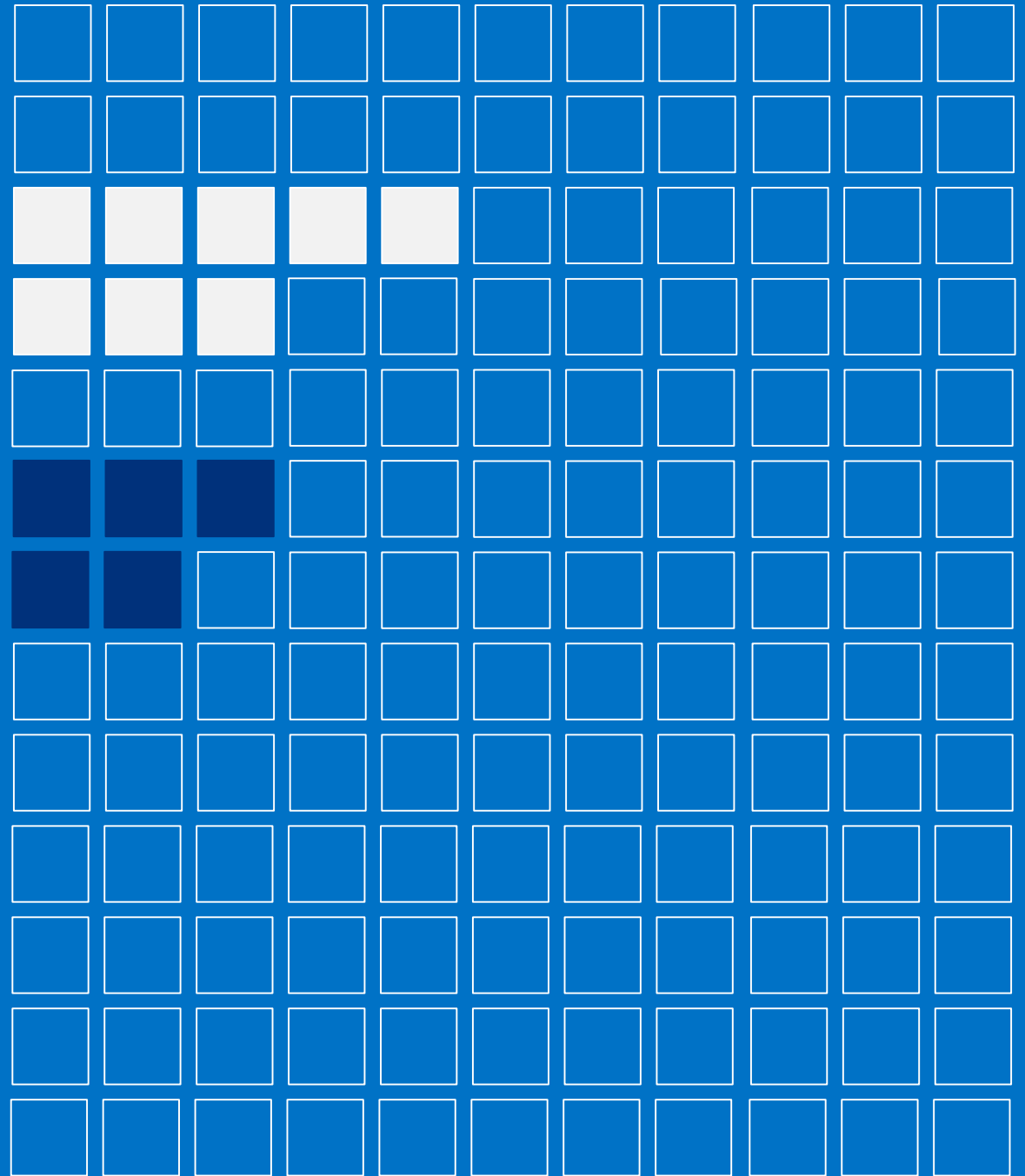
Turn business expertise into solutions with ease

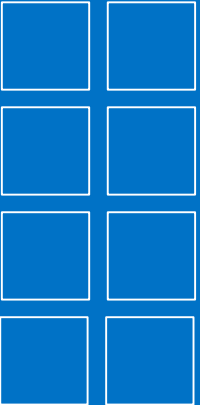
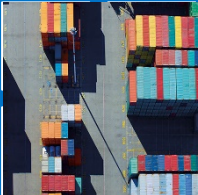
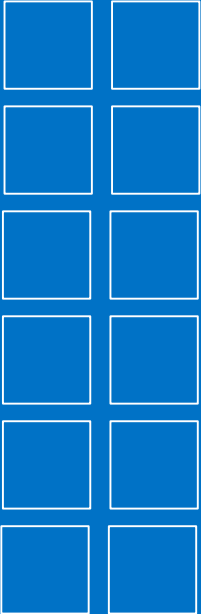
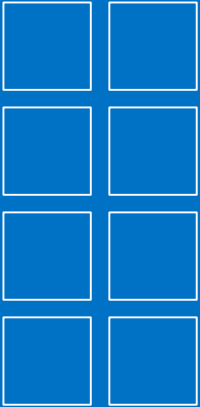
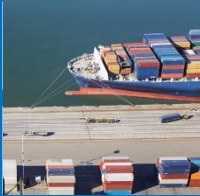
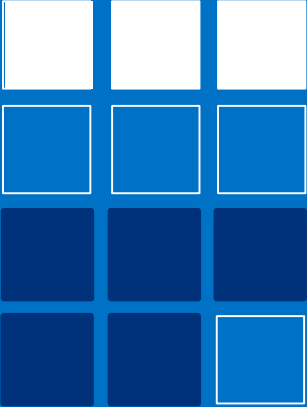
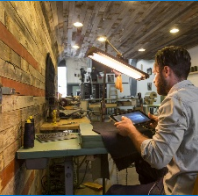
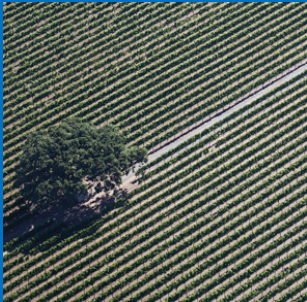
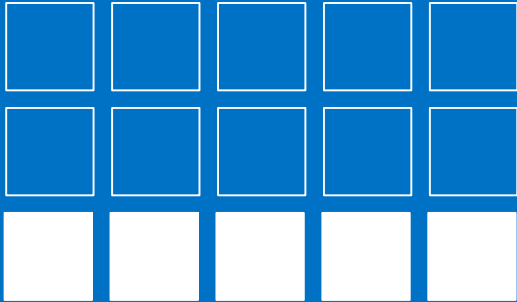


Only so many problems can be solved with
off-the-shelf SaaS

Custom software
development
is time consuming and costly

Everything else is a
missed opportunity
to optimize.





Wind turbine repair economics calculator

Customer: TransAlta, Industry: Energy

// Call Out Guidelines

Refresh

End Of Weekend

2016/08/22

08:00

Time

2016/08/16

Site

Soderglen Wind (GWW1)*

Turbines

2

Fault Code

3

Fault Description

Manual Stop

Action

Manual Start (VNC into Tower PC)

Up-Tower / Down-Tower

Up-Tower

Techs Required

3

Time To Bring Online

1

Max Speed

N.A

Avg. Speed

6.80

Labour Cost/ hr

65

Estimated Cost

195.0

Estimated Revenue

2062.25

Net Benefit/Cost

1867.25

List

Reset

Save

Graphs

Site

Turbines

Benefit

Soderglen Wind (GWW1)*

1

836.13

Remove

Edit

Cancel

Soderglen Wind (GWW1)*

Fault Code: 1

Dispatch

// Call Out Guidelines

Refresh

End Of Weekend Date Time

2016/07/04

08:00

Hour

16:00

Site

Soderglen

Turbines

0

Fault Code

1

Fault Description

Program start PLC

Action

replace UPS Batt's

Remote/Local

R/L

Techs Required

2

Time To Bring Online

3

Max Wind Speed

25

Labour Cost/hr

60

Estimated Cost

360.0

Estimated Revenue

0.0

Net Benefit/Cost

-360

Time To Reset: 00:01:45

Refresh

min

max

mostlikely

AESO Forecast

base_0

one_unit

two_unit

TA Price Forecast



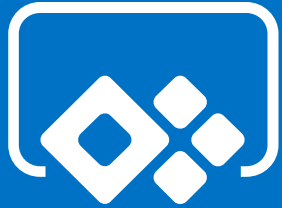
Connect to the data you're
already using and build on
the common data model



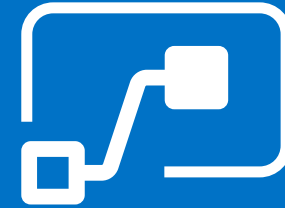
Create business apps and
automate workflows
without writing code



Securely publish to your
org for web and mobile
with full admin control



PowerApps



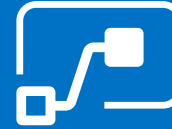
Microsoft Flow



Dynamics 365



Office 365



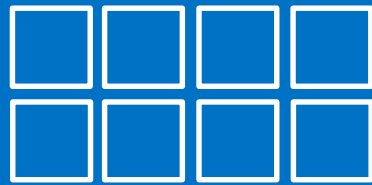
Flow



PowerApps



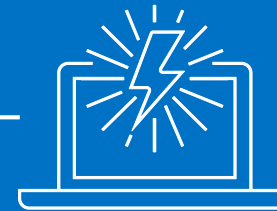
Power BI



Connectors and
Gateways

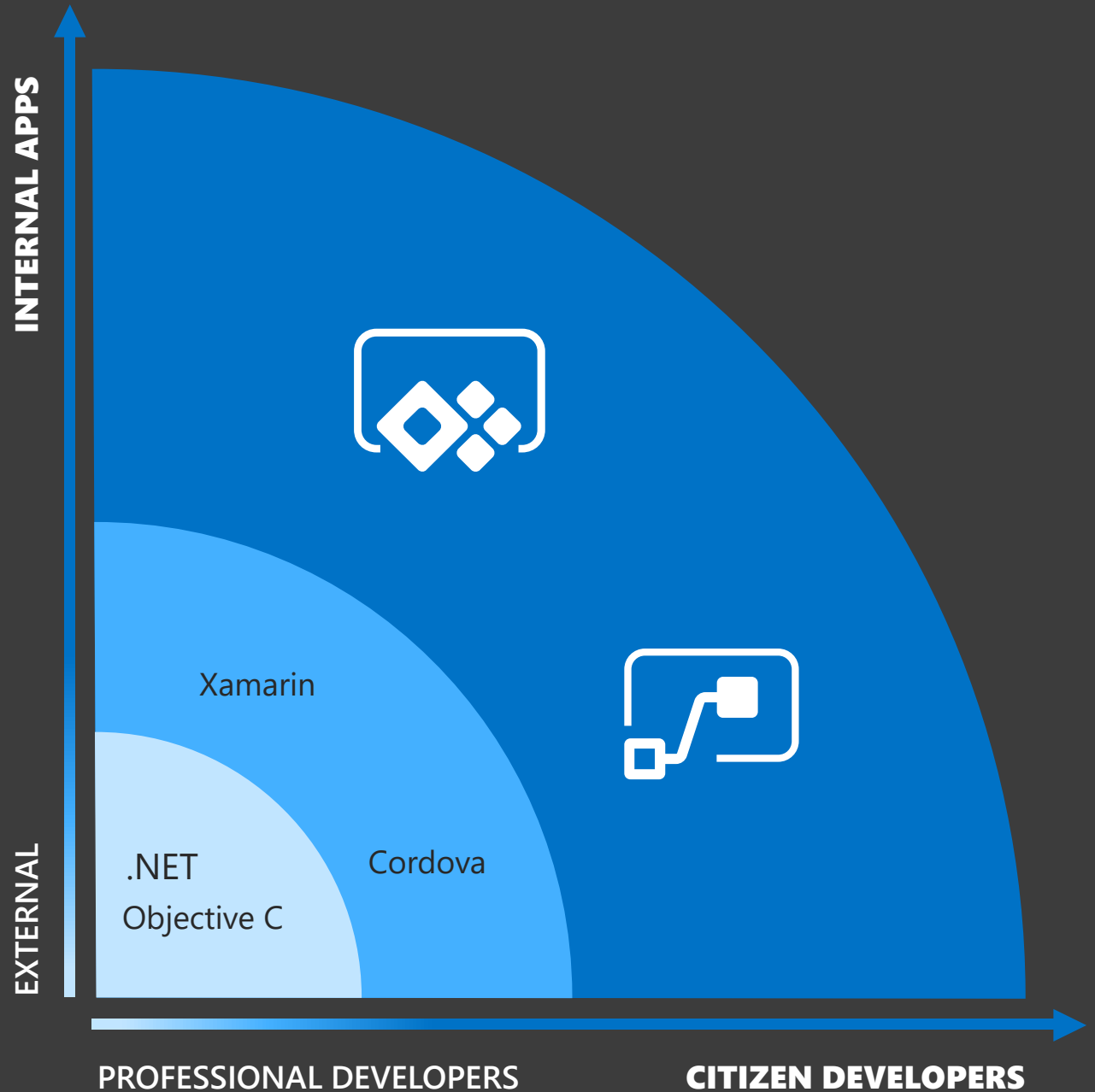


Common Data
Service



Pro dev
extensibility

The platform for
business apps
driven by analysts
and power users

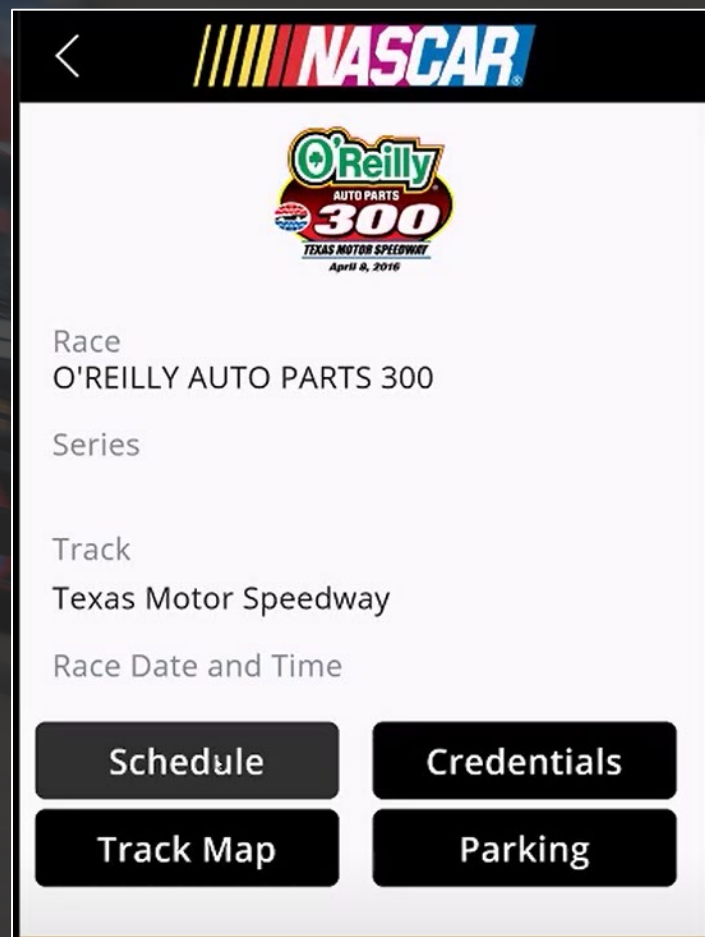
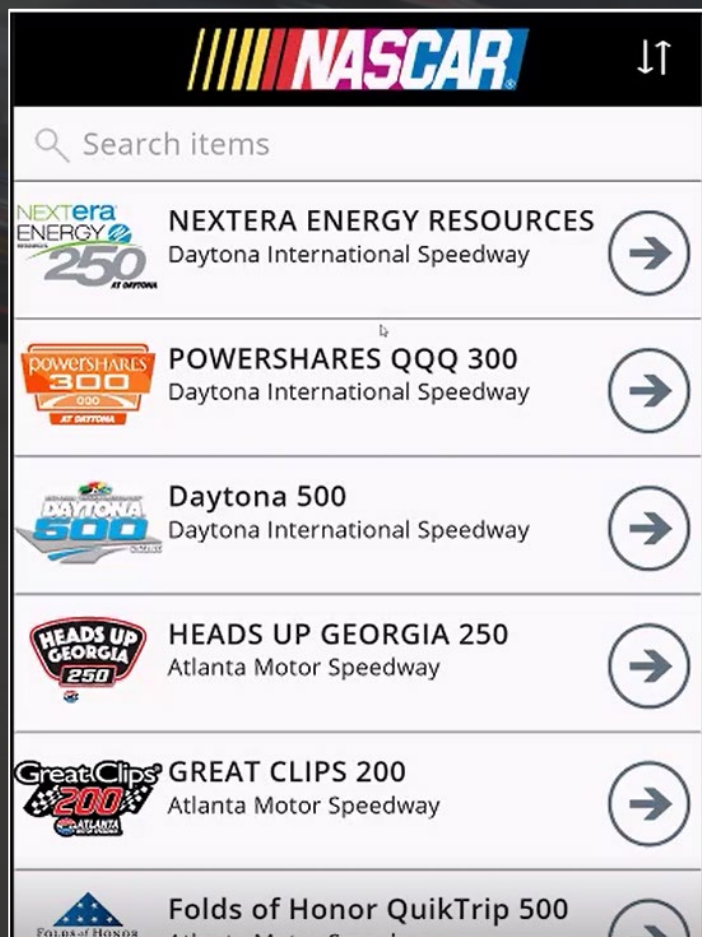


DEMO

Extending Office 365 and SharePoint

Event information quick reference

Customer: NASCAR

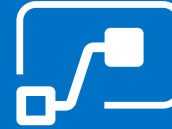




Dynamics 365



Office 365



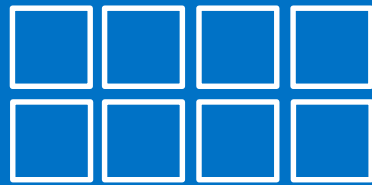
Flow



PowerApps



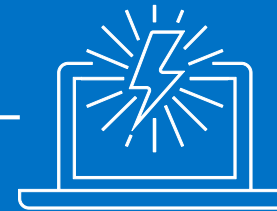
Power BI



Connectors and
Gateways



Common Data
Service



Pro dev
extensibility

COMMON DATA SERVICE



Flow



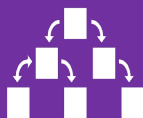
PowerApps



Power BI



Security Model



Common Data Model
and custom entities



Real time
sync



Operational data store



Data
API



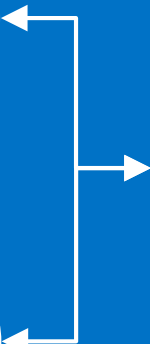
Pro development
tools



Cloud services



On-premise data



DEMO

Automating processes with
the Common Data Service
and connected apps

Industrial electric motor repair

Customer: Integrated Power Services, Partner: Confluent, Industry: Manufacturing

Job #: | Cust: | Serial#: **Ball Bearing Inspection @ Run Test**

Uneconomical Repair: No Test Run Performed: Yes Shaft Turns Free: Yes Select Meg or Gig Megohms: Run Voltage: 1500

Foot Planity (Check Indicates Soft Foot or Corrsion)

Condition: Pass <input type="button" value="v"/>	<input type="checkbox"/>	Condition: Pass <input type="button" value="v"/>	<input type="checkbox"/>
Result Measurement:		Result Measurement:	
Condition: Pigeon Toe <input type="button" value="v"/>	<input checked="" type="checkbox"/>	Condition: Rusted <input type="button" value="v"/>	<input checked="" type="checkbox"/>
Result Measurement:		Result Measurement:	

Foot Damage 1: ☐ Foot Damage 2: ☐

Phase Balance: A: 1.22 B: 2.221 C: 1.3456

ODE Vibration In / Sec: H: V: A:

DE Vibration In / Sec: H: V: A:

---Jump to Page---

DEMO

Insight to action:
Optimizing a beverage supply chain



Ask a question about your data

Customer View_Abu Dhabi

FMS CUSTOMER VIEW_OVERALL



Abu Dhabi MAR Kiel GmbH c/o HDW - Howaldtswerke -

January 2016

Cups Sold

25K

Total Revenue

€ 10.06K

Machines

15

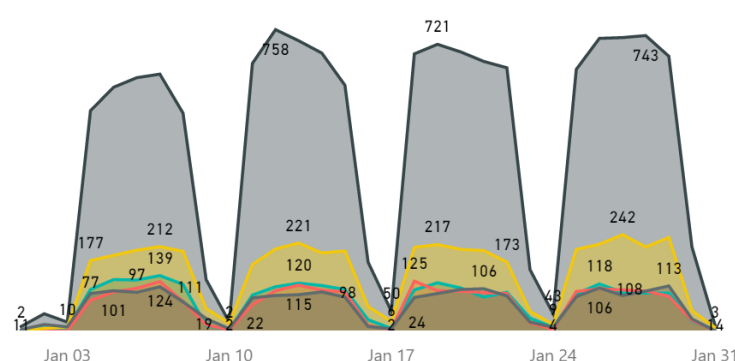
Products

12

Cups Sold over time by Product Category

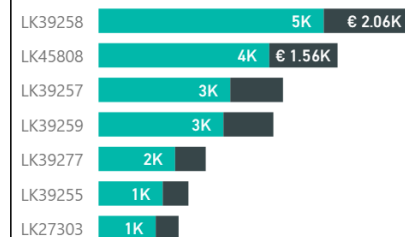
Product Categ...

- Klix Chocolate
- Klix Coffee
- Klix Soup
- Klix Speciality Coffee
- Klix Tea

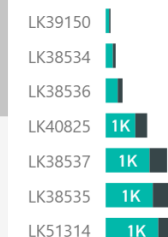


Tops and Flops by Machine

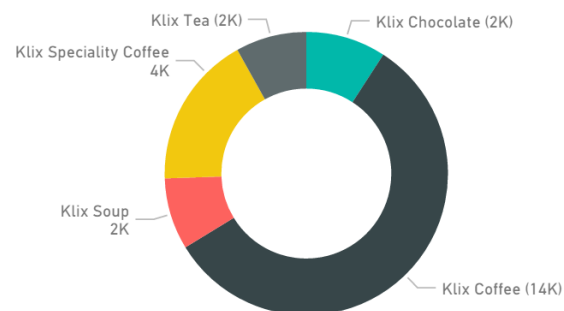
● Cups Sold ● Total Sales



● Cups Sold ● Total Sales



Overall Consumption by Product Category



Top Products based on Cups Sold



Stockout Readings by Machine and Product



Preview

Microsoft Azure

Function app

Report a bug

rycu@microsoft.com

MICROSOFT

Function app

PowerAppsAzureFunction

Search my functions

+ New Function

⚡ GetAvailableTime

</> Develop

⚡ Integrate

⚙ Manage

🔍 Monitor

⚡ HttpTriggerCSharp1

⚡ HttpTriggerCSharp2

🔧 Function app settings

⚡ Quickstart

🔄 Refresh

Code (run.csx)

Save

Run

Function Url:

https://powerappsazurefunction.azurewebsites.net/api/GetAvailableTime?code=tyf5l0sf559i5yybfzmjyrjnwitpnajss

```
1 using System.Net;
2
3 public static async Task<HttpResponseMessage> Run(HttpRequestMessage req, TraceWriter log)
4 {
5     log.Info($"C# HTTP trigger function GetAvailableTime processed a request. RequestUri={req.RequestUri}");
6
7     // parse query parameter
8     string name = req.GetQueryNameValuePairs()
9         .FirstOrDefault(q => string.Compare(q.Key, "tailnum", true) == 0)
10         .Value;
11
12     // Get request body
13     dynamic data = await req.Content.ReadAsAsync<object>();
14
15     // Set name to query string or body data
16     name = name ?? data?.name;
17
18     return name == null
```

2016-11-08T15:35:03.401 Function completed (Success, Id=4/dad344-a0cd-48b5-ba35-6ab/58b0a58c)

2016-11-08T16:23:38.028 Function started (Id=cdd55fe9-ecc6-4061-a241-910e64c4b923)

2016-11-08T16:23:38.044 C# HTTP trigger function GetAvailableTime processed a request. RequestUri=https://powerappsazurefunction.azurewebsites.net/a

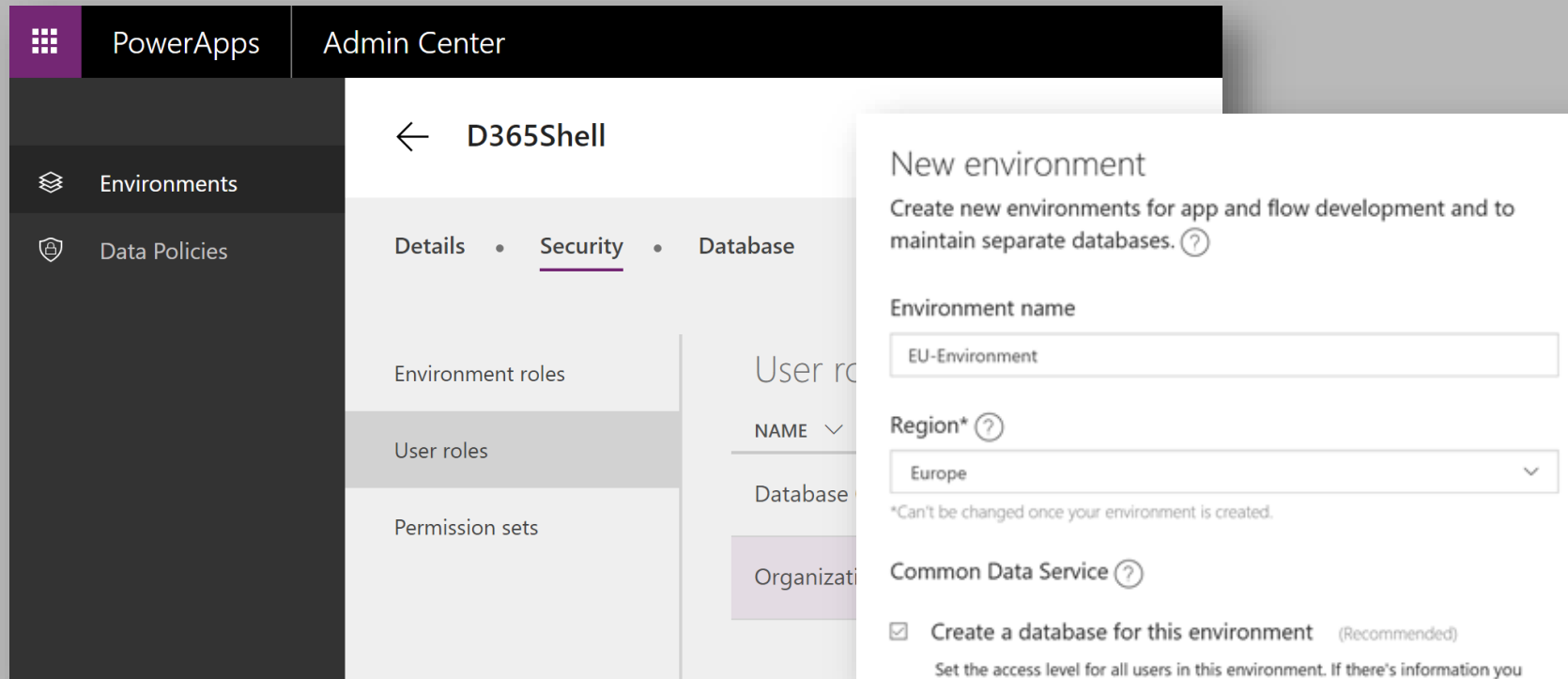
2016-11-08T16:23:38.123 Function completed (Success, Id=cdd55fe9-ecc6-4061-a241-910e64c4b923)

Pause

Clear

Copy Logs

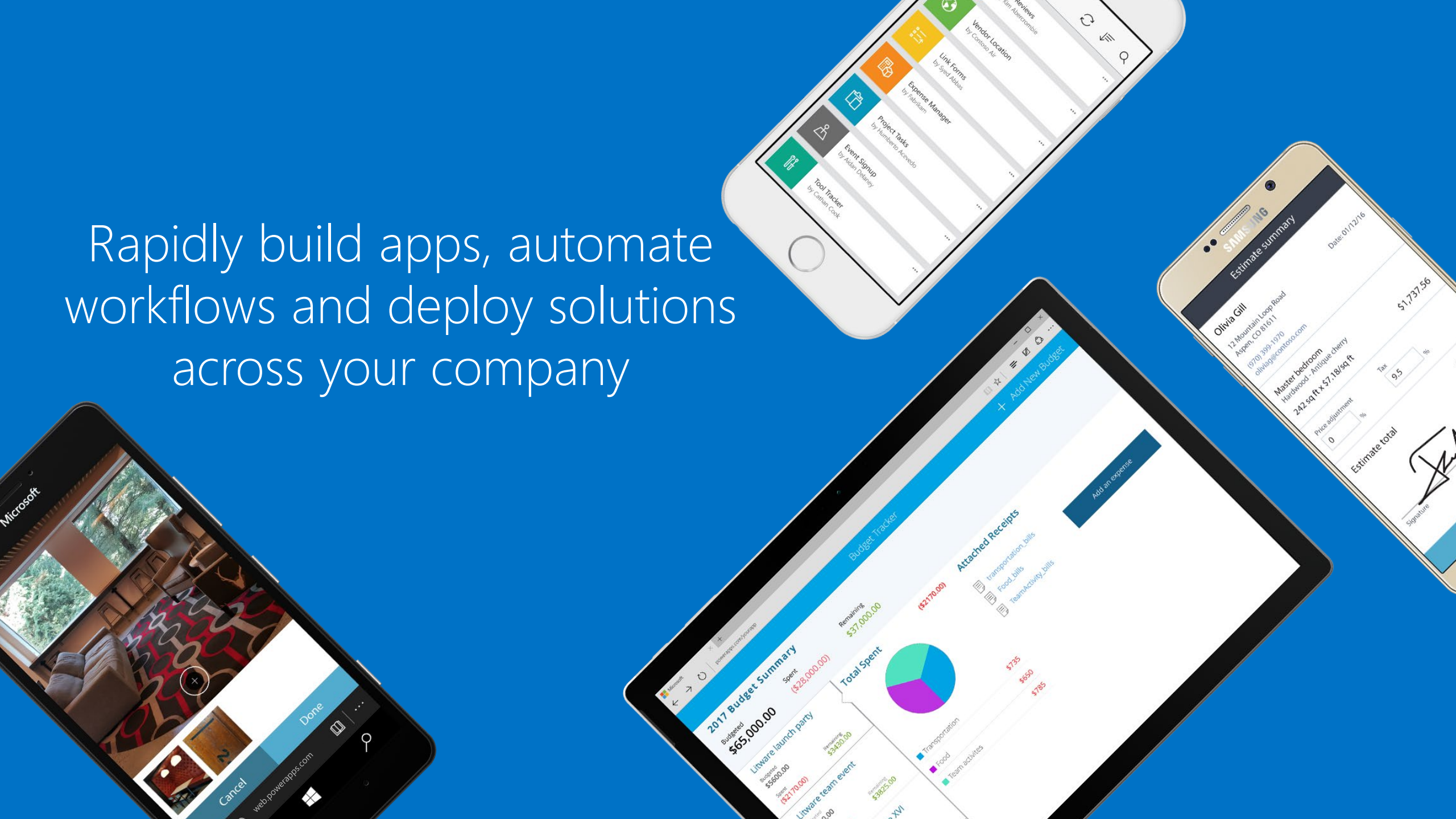
Close

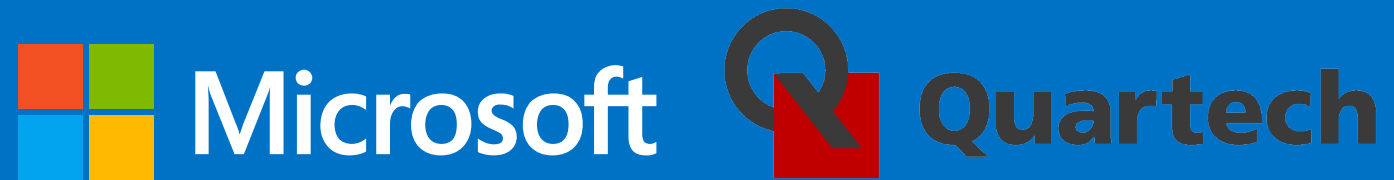


Enterprise-grade security
and administration across
multiple environments

- ✓ Declare role-based permissions
- ✓ Manage apps, users, and data policies
- ✓ All users access data using the permissions they already have in connected sources

Rapidly build apps, automate workflows and deploy solutions across your company





For more information, visit: www.Quartech.com/technologies/microsoft-dynamics-365/