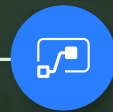




**Power
Platform
Saturday**



Microsoft

Power-up your BI project with **PowerApps**

Sławomir Drzymała

About me

Sławomir Drzymala

- **Business Intelligence Consultant**
- Speaker & member of Data Community
- Speaker at the conferences
- Organizer of the conference and the hackathons
- **Cofounder of seequality.net**
- Microsoft Technology enthusiast...



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seequality
the way to understand

INTRODUCTION

The problem and possible solutions

IT needs to meet the requirements

The problem

- Provide report configuration
- Configure hierarchies
- Upload flat files
- Check imported data and approve data
- Manage tabular access

**Meant to be used by team, product owner,
data stewards and some power users**

Possible workarounds / solutions

What could we do

- Manual interventions
- Fixes and hotfixes and/or change requests
- Multiple flat files and multiple flows
- Custom interfaces (ASP.NET / Flask)
- Master data services or any other 3rd party tools (Profisee)

It's either slow or costly or not robust...

- PowerApps?

Power-up your BI project with PowerApps



One platform, unlimited opportunity
Apps that mean business

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

BI project

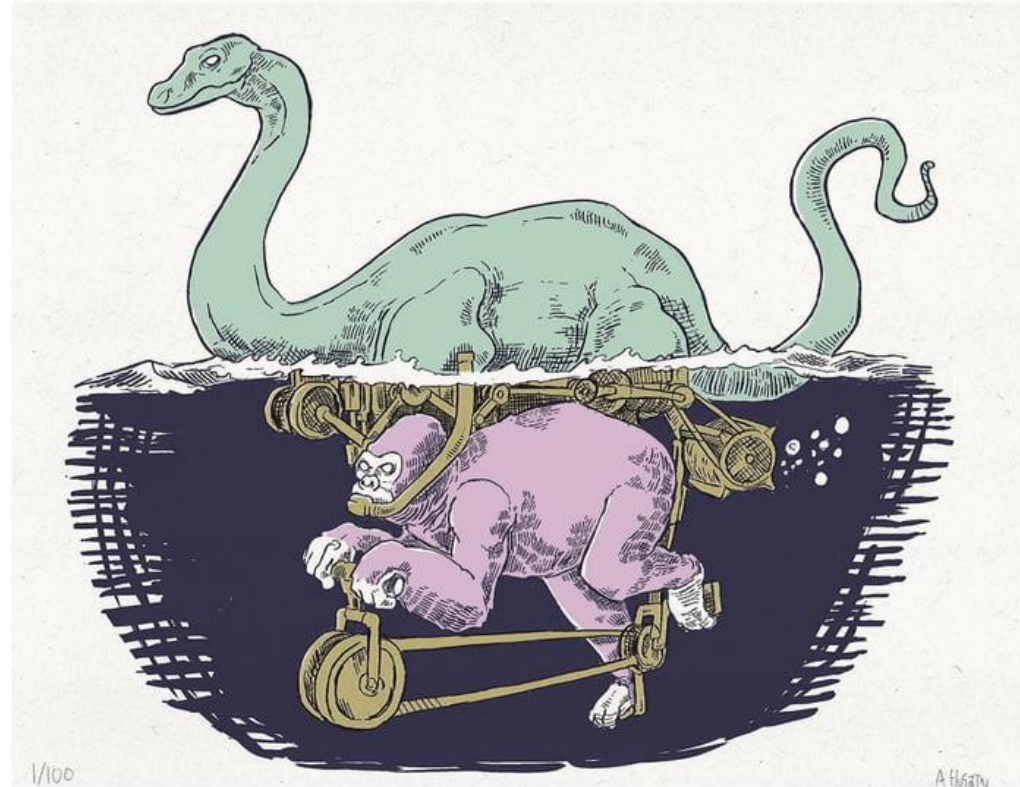
PowerApps

Overview

- **Platform to create the web apps in easy way**
- **Modern, good-looking and runs everywhere**
- Part of Office 365 ecosystem
- Integrated with many different sources
- Integrated with many different apps

Power Platform to extend BI project

PowerApps + PowerAutomate + PowerBI = ❤️



Disclaimer: I won't show all of the code, but I will share everything!

DEMO

SUMMARY

Cool, huh?

Application portfolio

Currently

- Fiscal period closing
- Report configuration
- Custom group mapping
- Multiple flat file import
- Analysis Services user management
- Master application

More applications to be done / in-progress

SUMMARY

What's cool?

What's cool

- **Easy to create**
- **Easy to access**
- **Easy to use**
- **Many great features**
- Great integration with many data sources
- Integration with Office 365 ecosystem
- Integration with Power BI

What's cool - language

- **Set**(variable, "value");
 - **Update**({variable: "value"});
 - **Refresh**('[schema].[tableName]')
 - **Navigate**(screenName, ScreenTransition.Fade)
 - **Distinct**('[schema].[table]', Attribute)
- ```
Patch(
 '[schema].[table]',
 First(
 Filter(
 '[schema].[table]', AttributeKey = TextInput1.Text
)
),
 {
 Attribute: TextInput2.Text
 }
);
```

# What's cool - there is much more

---

- Custom connectors
- Common data services
- Entities
- Model driven apps
- Business logic
- Integration with Dynamics 365



# What's cool – and the community

## Really helpful community

- Forum
- Twitter
- Meetups

















**For most of the problems you will find the answers and the code!**



# SUMMARY

What's not cool?

# PowerApps - not perfect as well

|                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>968</div> <div>Vote</div> <div><b>Share with external users</b><br/>tpatel on 07-15-2016 11:49 AM •<br/> <b>PLANNED</b> <a href="#">linhtran (PowerApps Staff)</a> responded</div> | <div>451</div> <div>Vote</div> <div><b>Opening for using the app outside your domain</b><br/>Migrated_User on 04-26-2016 04:20 AM •<br/> <b>UNDER REVIEW</b></div>                                                                         |
| <div>746</div> <div>Vote</div> <div><b>Printing</b><br/>Migrated_User on 04-26-2016 02:37 AM<br/> <b>STARTED</b> <a href="#">rc (PowerApps Staff)</a> responded</div>                   | <div>415</div> <div>Vote</div> <div><b>Save attachments to SharePoint list item</b><br/>KREI on 10-14-2016 01:26 PM •<br/> <b>COMPLETED</b> <a href="#">Audrie-MSFT (Administrator)</a> responded</div>                                    |
| <div>558</div> <div>Vote</div> <div><b>Attach a file to form</b><br/>michowl on 02-01-2017 09:56 PM •<br/> <b>COMPLETED</b> <a href="#">Audrie-MSFT (Administrator)</a> responded</div> | <div>401</div> <div>Vote</div> <div><b>Submit captured image to SharePoint List</b><br/>Jingjing on 06-13-2016 12:57 PM •<br/> <b>STARTED</b> <a href="#">sarafankit (PowerApps Staff)</a> responded</div>                                 |
| <div>331</div> <div>Vote</div> <div><b>QR-code scanning</b><br/>Larsen1000 on 10-06-2016 08:02 AM •<br/> <b>COMPLETED</b> <a href="#">FilipK (PowerApps Staff)</a> responded</div>  | <div>459</div> <div>Vote</div> <div><b>PowerApps must also see SQL Azure Queries, not only Tables</b><br/>Migrated_User on 04-26-2016 03:01 AM •<br/> <b>COMPLETED</b> <a href="#">EvanChakiMSFT (PowerApps Staff)</a> responded</div> |

More: <https://powerusers.microsoft.com/t5/PowerApps-Ideas>

# What's not cool

---

- **IDE...**
- Working with more complex applications
- Missing support for stored procedures
- **Working with source control**
- **Working with many environments**
  - Deploying (changing connections, flows)
  - Continuous integration
  - Data synchronization

# SUMMARY

Also important...

# Pricing – overview

## Licensing overview

General purpose, full Power Apps capabilities are licensed on a standalone basis. Additionally, limited Power Apps capabilities are included within various Office 365 and Dynamics 365 licenses. High level overview of the licensing structure is provided below.

|                  | Per user, per app                                                                                                                     | Per user                                                                                      | Seeded Power Apps                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Licensing scheme | Per user, per app                                                                                                                     | Per user                                                                                      | Through Office 365 and Dynamics 365 user licenses           |
| Description      | Allow individual users to run applications <sup>1</sup> for a specific business scenario based on the full capabilities of Power Apps | Equip users to run <b>unlimited applications</b> based on the full capabilities of Power Apps | Customize and extend Office 365 & Dynamics 365 applications |

<sup>1</sup> Each license allows end user to run 2 custom apps and access 1 custom portal

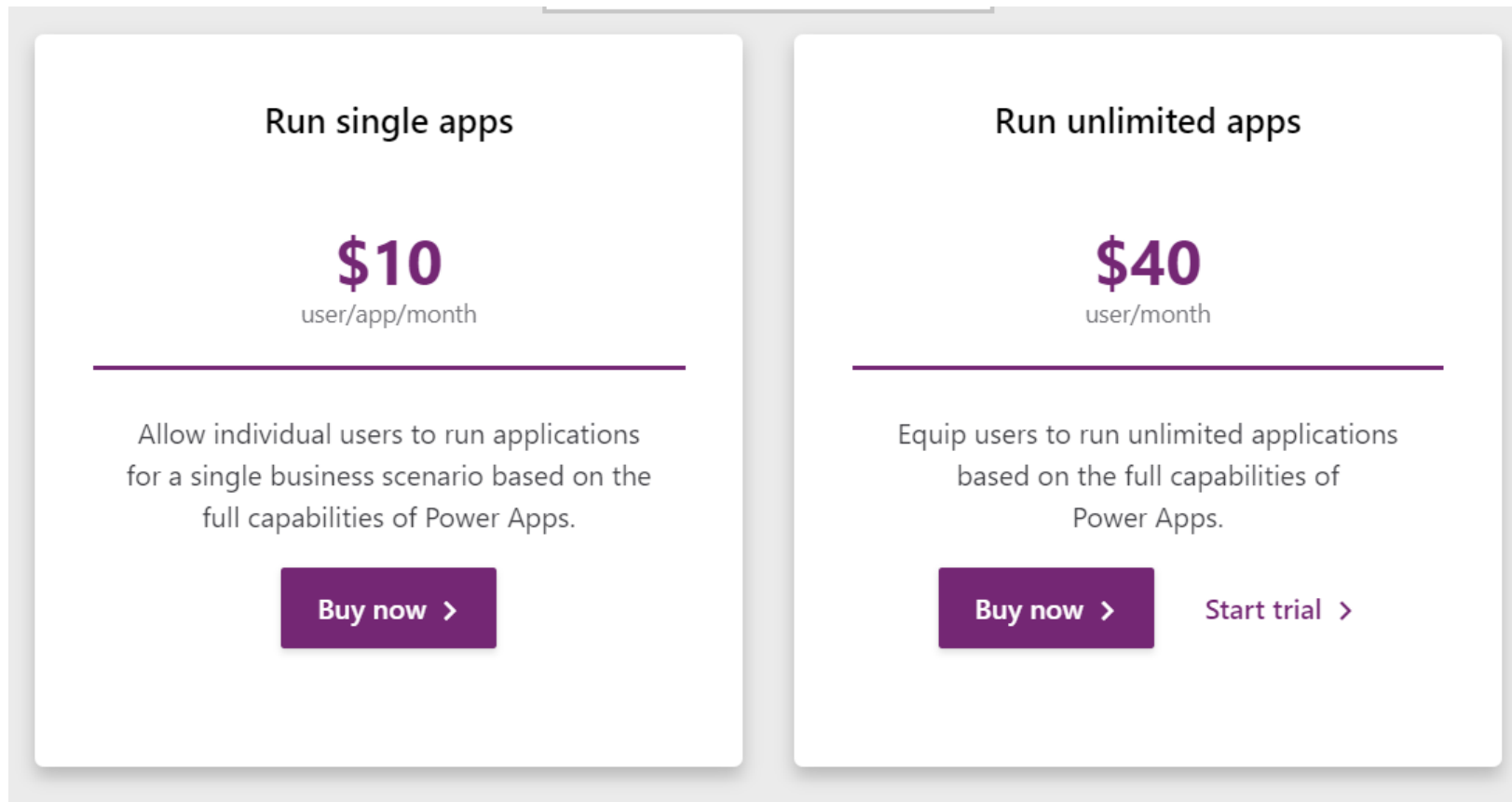
Vide: <https://docs.microsoft.com/en-us/power-platform/admin/pricing-billing-skus>

# Pricing – O365

| Functionalities                                                       | Power Apps for Office 365 |
|-----------------------------------------------------------------------|---------------------------|
| Create, run and share apps                                            | Yes                       |
| Run canvas apps in context of Office 365                              | Yes                       |
| Connect to Office 365 data                                            | Yes                       |
| Connect to cloud services using standard connectors                   | Yes                       |
| Run apps in a browser or Power Apps mobile for iOS and Android        | Yes                       |
| Run Canvas apps offline                                               | Yes                       |
| Support for data policies established by the Office 365 administrator | Yes                       |
| Access on-premises data or use premium or custom connectors           | -                         |
| Data storage and management in Common Data Service                    | -                         |



# Pricing – costs



The image shows two pricing cards for Power Apps. The left card is titled 'Run single apps' and features a large purple '\$10' with 'user/app/month' underneath. A horizontal purple line separates the price from the description: 'Allow individual users to run applications for a single business scenario based on the full capabilities of Power Apps.' At the bottom is a purple button with 'Buy now >'. The right card is titled 'Run unlimited apps' and features a large purple '\$40' with 'user/month' underneath. A horizontal purple line separates the price from the description: 'Equip users to run unlimited applications based on the full capabilities of Power Apps.' At the bottom are two purple buttons: 'Buy now >' and 'Start trial >'.

| Plan               | Price | Unit           | Description                                                                                                             | Buttons                  |
|--------------------|-------|----------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Run single apps    | \$10  | user/app/month | Allow individual users to run applications for a single business scenario based on the full capabilities of Power Apps. | Buy now >                |
| Run unlimited apps | \$40  | user/month     | Equip users to run unlimited applications based on the full capabilities of Power Apps.                                 | Buy now >, Start trial > |

# Security

---

- Environments
- Connectors
  - Built-in
  - On-Premises Gateways
  - CDS Security
- Inside App
  - Naïve
  - Environment
  - Role based using Graph API
- There might be an issue when using SQL Server

# SUMMARY

Verdict

# Verdict

---

- They could be better and improved, but...
- **This can really power-up Business Intelligence or any other – project**
- The integrations and features are just awesome
- **Already seems to be a nice option for small applications in any-size BI project**
- **Let's power users help to build the BI / share responsibility**
- Start trying and check for updates!

# Verdict

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# Before we end the session

---



## QUESTIONS

# Before the end

---

- Question 1

**What is the former name of Power Automate?**



# Before the end

---

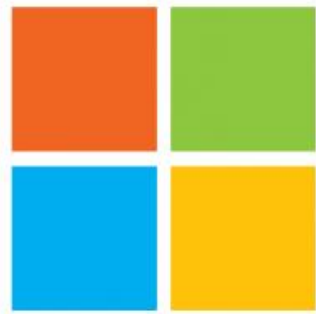
- Question 2

**What are the origins of Power BI?**

Where it was available and what was the name of the components?

# Thank you, our Sponsor!

---



# Microsoft

# Fill out an evaluation

---

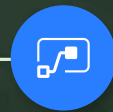
Help us make PPSWarsaw better

<https://aka.ms/ppswarsaw>





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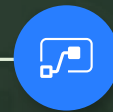


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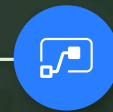


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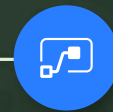
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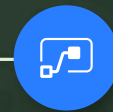
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