

| Power Platform User Group Ireland

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Going beyond with Power Apps
Portals using Web API

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Agenda



1

Power Apps Portals – *the traditional approach*

2

Power Apps Portals – Web API

3

Web API Operations

4

Demo

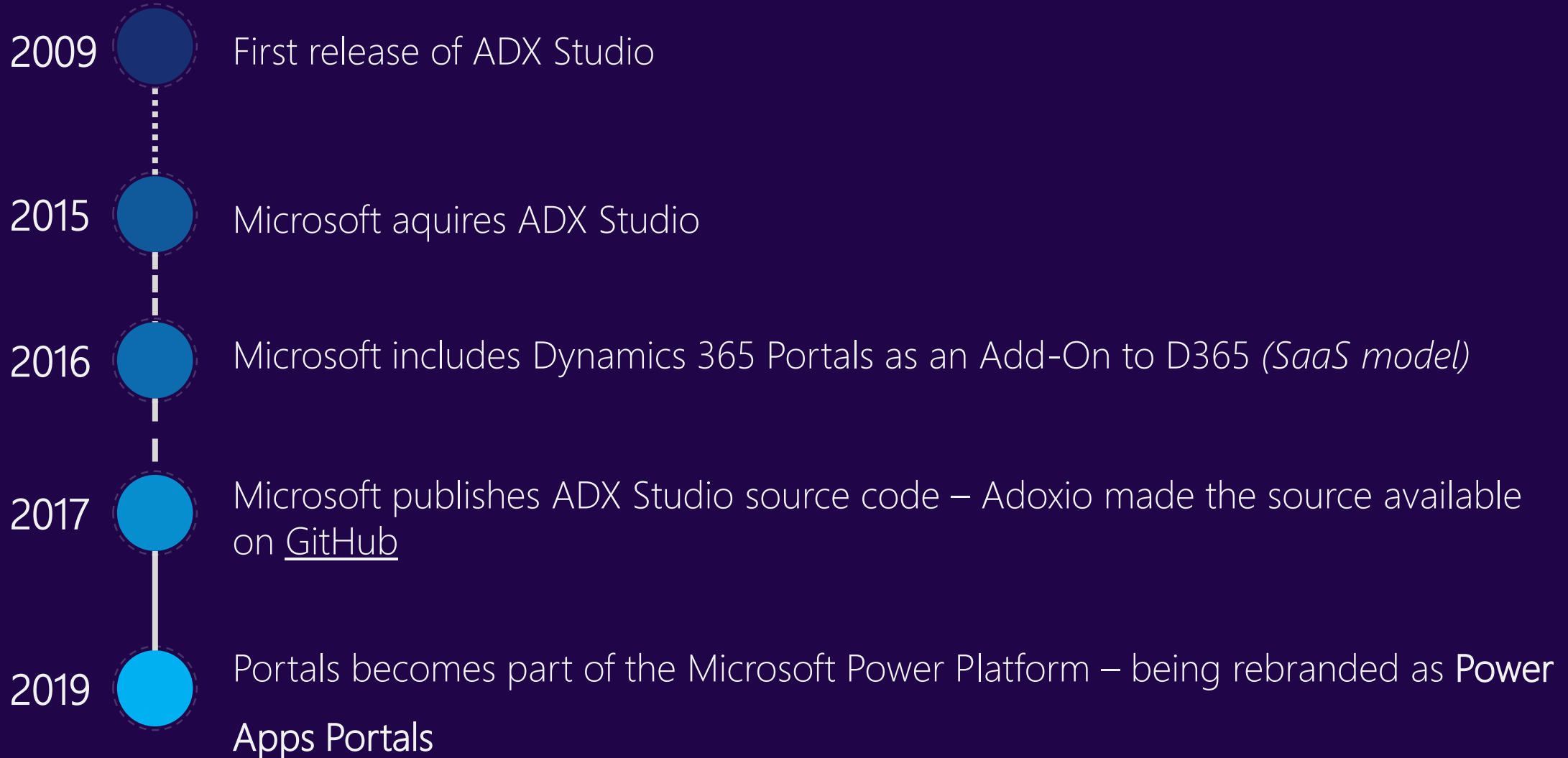
5

Q & A

| What is Power Apps Portals

- Portals are websites that you can customize to provide a more personalized experience to your customers
- Fully integrated with CDS/Dynamics 365
- Fully responsive design – leverages bootstrap v3
- Multi-Language support
- Local and External Authentication (*Contact record based / Azure / Open ID*)
- Now integrated with the Power Platform

| Power Apps Portals – *A bit of history*

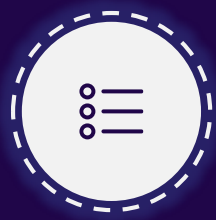


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| Power Apps Portals – *the traditional approach*



Entity Form /
Web Form



Entity List



Retrieve Data
via oData /
FetchXML

Official ways to perform operations against CDS

| Power Apps Portals – *Alternative Techniques*

Companion App



Not a feature – but a concept

Web Service developed and hosted by you

Interaction via JS/Ajax in Portals

<https://github.com/koolin/dynamics-portal-buddy>

Portal Actions



Fake CDS entity with Plug-in on Retrieve
Multiple

Web Page / Web Template with FetchXML
passing a CDS Action to the Plug-in

<https://www.thrives.be/technical/call-a-dynamics-365-custom-action-from-crm-portals/>

Power Apps Portals Web API



One of the most voted Power Apps Ideas

Announced on 2020 Release Wave 1

Currently in preview / General Availability – Feb 2021

Official documentation: <https://docs.microsoft.com/en-us/powerapps/maker/portals/web-api-overview>

Power Apps Portals – Web API



Built to
enhance UI/UX



Similar to CDS
Web API



G.A. Feb 2021



Operations available:
Create / Update / Delete
Associate / Disassociate



Version 9.2.6.41
or higher



Portal entities are not
supported (adx_)



CSRF Token



Wrapper available
from Microsoft

Power Apps Portals – Web API: Security

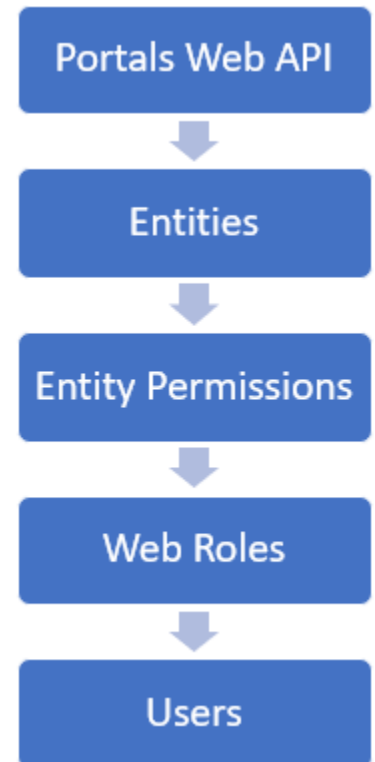


Request header should have Contact Id (when available) for auditing purposes:

<https://protection.office.com/unifiedauditlog>

Authentication is managed by the application session – calls must include CSRF Token

Authorisation is based on Entity Permissions



| Power Apps Portals – Site Settings

Webapi/<entity name>/enabled – true

Webapi/<entity name>/fields

attribute logical names, separated by comma

* for all attributes

Webapi/error/innererror – true

| Web API Operations



Create
POST



Associate
POST



Update
PATCH



Update single
attribute
PUT



Clear attribute
value
DELETE

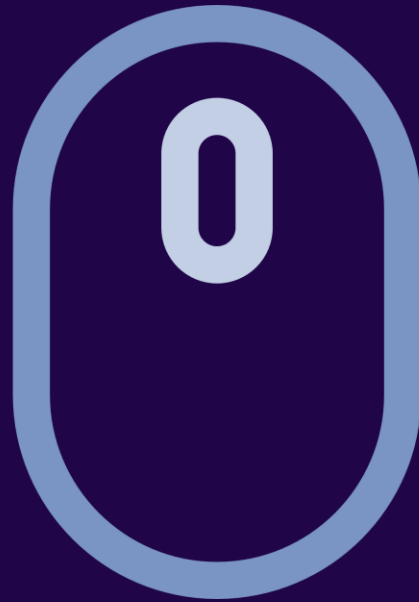


Delete record
DELETE



Disassociate
DELETE

| Demo



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| Q & A



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xRMVirtual User Group

Join us October 15 at 8AM EST/12PM UTC for the first Fall Into Power Apps Portals

Join our group of experts from
Microsoft and the Power Platform
community to discuss all things
Power Apps Portals!

No need to register – just join the sessions here!
<https://365l.ink/FallIntoPortals2020>

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