Join

4

Johnn Hesseltine and Cesar Figueroa were invited to the meeting.

Johnn Hesseltine

and

Cesar Figueroa

were invited to the meeting.

4 February

Meeting started at 4/2 3:00 PM

4/2 3:00 PM Meeting started

Jonathan Aulson has temporarily joined the chat.

Jonathan Aulson

has temporarily joined the chat.

BRB guys... by Jonathan Aulson

Jonathan Aulson

4/2 3:17 PM

BRB guys...

back by Jonathan Aulson

Jonathan Aulson

4/2 3:19 PM

back

Link Branching and environment strategy - P... by Cesar Figueroa

4/2 4:10 PM

Cesar Figueroa

Branching and environment strategy - Power Platform | Microsoft Learn

Branching and environment strategy - Power Platform | Microsoft Learn

Learn about the default environment and branching strategy that ALM Accelerator for Power Platform employs to help you get started with ALM quickly.

learn.microsoft.com

Link Solution Architect series: Plan applic... by Cesar Figueroa

4/2 4:11 PM

Cesar Figueroa

Solution Architect series: Plan application lifecycle management for Power Platform - Training | Microsoft Learn

Solution Architect series: Plan application lifecycle management for Power Platform - Training

Solution architects for Microsoft Power Platform need to define the environment strategy and application lifecycle management (ALM) for transporting work from development to test to production.

learn.microsoft.com

Meeting ended: at 4/2 4:17 PM after 1 hour 17 minutes 33 seconds

4/2 4:17 PM Meeting ended: 1h 17m 33s

Attendance

Download the attendance report

Jonathan Aulson no longer has access to the chat.

Jonathan Aulson

no longer has access to the chat.

Someone can share with me the loop url? by Cesar Figueroa

4/2 4:31 PM

Cesar Figueroa

Someone can share with me the loop url?

To check the documentation that you have th... by Cesar Figueroa

4/2 4:31 PM

Cesar Figueroa

To check the documentation that you have there

11 February

Meeting started at 11/2 3:00 PM

11/2 3:00 PM Meeting started

Jonathan Aulson was invited to the meeting.

Jonathan Aulson

was invited to the meeting.

Meeting ended: at 11/2 3:30 PM after 30 minutes 28 seconds

11/2 3:30 PM Meeting ended: 30m 28s

Attendance

Download the attendance report

Meeting started at 11/2 3:38 PM

11/2 3:38 PM Meeting started

Hello Johnn Hesseltine can you join aga... by Cesar Figueroa

11/2 3:38 PM

Cesar Figueroa

Hello

Johnn

Hesseltine

can you join again please?

Lindsey Lee has temporarily joined the chat.

Lindsey Lee

has temporarily joined the chat.

We are building a solution on Dataverse tha... by Jonathan Aulson

Jonathan Aulson

11/2 4:14 PM

We are building a solution on Dataverse that leverages Power Automate. We want to understand if Dataverse is suitable for a solution serving 600+ users, and if so, how Power Automate licenses are handled to ensure the users may both see data and take actions that kick off flows?

Link Licenses and Pricing (Power Platform) by Cesar Figueroa, has an attachment.

11/2 4:29 PM

Cesar Figueroa

Licenses and Pricing (Power Platform)

Licenses and Pricing (Power Platform).docxTownePark > Billing Modernization

grabbing a drink... brb by Jonathan Aulson

Jonathan Aulson

11/2 4:32 PM

grabbing a drink... brb

back by Jonathan Aulson

Jonathan Aulson

11/2 4:34 PM

back

Meeting ended: at 11/2 5:02 PM after 1 hour 24 minutes 44 seconds

11/2 5:02 PM Meeting ended: 1h 24m 44s

Attendance

Download the attendance report

Lindsey Lee no longer has access to the chat.

Lindsey Lee

no longer has access to the chat.

12 February

Everyone I believe this snippet is beginni... by Johnn Hesseltine

Johnn Hesseltine

12/2 12:51 PM

Everyone I believe this snippet is beginning to speak to what we must do...

Is explicitly saying that we need 1 by 1 li... by Cesar Figueroa

12/2 12:52 PM

Cesar Figueroa

Is explicitly saying that we need 1 by 1 licenses per user

precisely. our architecture is effectively... by Johnn Hesseltine

Johnn Hesseltine

12/2 12:54 PM

precisely. our architecture is effectively "connection pooling" where many users are accessing a Microsoft Power Platform environment through a single point of contact (i.e. PowerBill via a managed backend as a non-licensed service principal).

I did a bit of Allata bot prompting and go ... by Christopher Thompson

Christopher Thompson

12/2 12:54 PM

I did a bit of Allata bot prompting and go this that sounds promising

the main question is we will suggest to the... by Cesar Figueroa

12/2 12:56 PM

Cesar Figueroa

the main question is we will suggest to the customer that because that will mean:

150 x (Flow License \* environment)   
   
600 (users) \* 15 (user base subscription)   
   
   
9000 + 600

Johnn Hesseltine12/2/25 12:54 PM

precisely. our architecture is effectively "connection pooling" where many users are accessing a Microsoft Power Platform environment through a single point of contact (i.e. PowerBill via a managed backend as a non-licensed service principal).

Begin Reference, I did a bit of Allata bot ... by Cesar Figueroa

12/2 12:57 PM

Cesar Figueroa

Christopher Thompson12/2/25 12:54 PM

I did a bit of Allata bot prompting and go this that sounds promising 📷

is the same idea but we aren't user power apps, we are using power automate licenses instead.

Also the Per App Plan looks like it covers ... by Christopher Thompson

Christopher Thompson

12/2 12:58 PM

Also the Per App Plan looks like it covers access to one specific environment only.

Christopher , you are on the right track an... by Johnn Hesseltine

Johnn Hesseltine

12/2 12:58 PM

Edited

Christopher

, you are on the right track and we need to continue pulling at this thread. as i read the Power Platform Licensing Guide more closely, there are several options including limited usage rights that come along with Microsoft/Office 365 licenses. we should also better understand the Power Apps per app pay-as-you-go and Power Apps per app licenses

Begin Reference, Also the Per App Plan look... by Cesar Figueroa

12/2 12:59 PM

Cesar Figueroa

Christopher Thompson12/2/25 12:58 PM

Also the Per App Plan looks like it covers access to one specific environment only. 📷

the difference about licenses in "Power Apps Premium" and "power Automate Premium" is that you can't consume data or flows outside of the Power App fronted vith the Licenses per App

I don't think the limited access will work,... by Christopher Thompson

Christopher Thompson

12/2 1:00 PM

I don't think the limited access will work, since it's saying that does not work with custom tables

so, in terms of next steps, i would like to... by Johnn Hesseltine

Johnn Hesseltine

12/2 1:07 PM

so, in terms of next steps, i would like to see the information structured in a matrix structure. in other words, the horizontal axis can be the licensing options to be considered (e.g. Microsoft 365, Office 365, Power Apps Subscription (not premium), Power Apps per app pay-as-you-go, Power Pages Authenticated Users, etc.) while the vertical axes can be the various access requirements (e.g. Dataverse Full Access, Dataverse Create and access custom tables, etc.)

1 Like reaction.

I think an interesting and compelling optio... by Johnn Hesseltine

Johnn Hesseltine

12/2 1:20 PM

I think an interesting and compelling option that we need to better understand is the Power Pages Authenticated Users option where users are allowed access to "low-code business websites" with authenticated access and predictable licensing. Notably, this license includes full Dataverse access and the creation of and access to custom tables. Power Pages licenses are offered in tiers based on the number of unique users. For example, for 600 users, the client could purchase 6 packs of 100 users each at $200/pack or $1,200/month, which is still a conversation we will need to have with the client BUT considerably lower than the $9000/month number we have been tossing around.

1 Exclamation mark reaction.

to be clear, i'm still not certain whether ... by Johnn Hesseltine

Johnn Hesseltine

12/2 1:26 PM

Edited

to be clear, i'm still not certain whether this is in fact the ultimate answer, but it's definitely encouraging. the bottom line is we need to understand ALL of the available options and then confidently recommend and articulate the BEST option for our client given what we understand about the use case. whether this is Power Apps Authenticated Users or not, i'm not sure and i'm not yet ready to make a final recommendation, but it should definitely be given our full consideration

1 Like reaction.

image by Cesar Figueroa

12/2 2:02 PM

Cesar Figueroa

is this the diagram that we want to share w... by Cesar Figueroa

12/2 2:02 PM

Cesar Figueroa

is this the diagram that we want to share with MS team?

Johnn Hesseltine Christopher Thompson by Cesar Figueroa

12/2 2:02 PM

Cesar Figueroa

Johnn

Hesseltine

Christopher

Thompson

yes, this is probably good enough. somethi... by Johnn Hesseltine

Johnn Hesseltine

12/2 2:05 PM

yes, this is probably good enough. something like this (after sanitization and perhaps a bit of simplification) would also work

Begin Reference, I think an interesting and... by Johnn Hesseltine

Johnn Hesseltine

12/2 2:19 PM

Edited

Johnn Hesseltine12/2/25 1:20 PM

I think an interesting and compelling option that we need to better understand is the Power Pages Authenticated Users option where users are allowed access to "low-code business websites" with authenticated access and predictable licensing. Notably, this license includes full Dataverse access and …

as i read more,

Christopher

, you may be on to something with the Power Apps Per App subscription for $5 per user/month, which comes to $3,000 (600 x $5) a month. i believe Power Pages is a completely separate concept that includes a low-code/no-code website building capability, which we are not using

i'm going to stop here, i need to move on t... by Johnn Hesseltine

Johnn Hesseltine

12/2 2:19 PM

i'm going to stop here, i need to move on to some other items, but i feel this group has more than enough to continue the analysis without me

okay, i lied, one more thing i would like t... by Johnn Hesseltine

Johnn Hesseltine

12/2 3:44 PM

okay, i lied, one more thing i would like to share here. we need clarity around the Power Apps Per App licensing. in particular, they define an "app" as a canvas or model-driven app, which is not what we are using. we have built a custom client application. so, what license is it that corresponds to our use case, which is the exact question we asked to Microsoft earlier today. the bottom line is our users simply need access to Dataverse and nothing else. what license allows us to accomplish this?

17 February

Everyone in the name of maximizing the eff... by Johnn Hesseltine

Johnn Hesseltine

17/2 3:57 PM

Edited

Everyone in the name of maximizing the efficiency of and value delivered by our weekly architecture syncs, I am asking that we have an agenda for tomorrow's (and, each subsequent) occurrence. There are really two things I am looking for ahead of tomorrow's occurrence. The first is simply a structure that we can follow each week and the second is particular items to be covered tomorrow within the context of the structure.

With respect to the structure, it could look something like the following, but I am going to stop short of prescribing something specific. I would like

Cesar

to define the structure of the conversation that we can all review and ultimately agree to.

Sample Agenda

1. Welcome and Meeting Objectives (5 minutes)  
 - Briefly remind the audience of the purpose of the meeting.  
 - Review the goals for the session (e.g., resolving open items, reviewing proposed solutions, grooming the backlog, assigning action items).

2. Review of Action Items from the Previous Meeting (10 minutes)  
 - Go through the action items assigned in the last meeting.  
 - Confirm progress, blockers, or completion of each item.  
 - Address any carryover items that require further discussion.

3. Open Questions and Issues (10 minutes)  
 - Discuss any unresolved questions or issues that have arisen since the last meeting.  
 - Prioritize items that require immediate attention or decision-making.  
 - Assign ownership for follow-up if necessary.

4. Review and Groom the Architecture and Design Backlog (15 minutes)  
 - Backlog Review:  
 - Review the current architecture and design backlog, including new and existing items.  
 - Ensure all backlog items are well-defined, with clear descriptions, acceptance criteria, and priorities.  
 - Grooming and Refinement:  
 - Refine backlog items as needed (e.g., clarify requirements, break down large items into smaller tasks).  
 - Remove outdated or irrelevant items.  
 - Reprioritization:  
 - Reassess priorities based on current project needs, timelines, and dependencies.  
 - Ensure the most critical items are ready for upcoming sprints or development cycles.

5. Proposed Solutions and Feedback (15 minutes)  
 - Solution Architect/Technical Lead Presentation: Cesar (and, perhaps others?) presents proposed approaches to solving key open items.  
 - Example topics:  
 - Resiliency Improvements: Options for failover and multi-region availability for the Azure Static Web App.  
 - ALM Enhancements: Proposed environment structure (e.g., isolated dev environments, pre-prod environments) and deployment pipeline strategies (Power Platform pipelines vs. Azure DevOps pipelines).  
 - Feedback and Discussion: Team provides feedback, asks clarifying questions, and suggests refinements.  
 - Next Steps: Agree on the next steps for refining and implementing the proposed solutions.

6. Special Topics (Optional, 5 minutes)  
 - Discuss any ad hoc or special topics that require attention (e.g., new challenges, upcoming deadlines, cross-team dependencies).  
 - Examples:  
 - Addressing new requirements or changes in scope.  
 - Planning for upcoming phases of the project.

7. Assign Action Items and Next Steps (10 minutes)  
 - Summarize key decisions made during the meeting.  
 - Assign action items to specific team members with clear deadlines.  
 - Confirm ownership of any follow-up tasks or research required before the next meeting.

8. Wrap-Up and Closing (5 minutes)  
 - Recap the key takeaways from the meeting.  
 - Confirm the date and time for the next sync.  
 - Allow time for any final questions or comments.

With respect to particular items to be covered tomorrow within the context of the structure, we have not yet had a high-level current state architecture review with

Cesar

. If not tomorrow, definitely need to get this on the calendar, unless somebody else has already delivered this overview and I was not a part.

Thoughts?

My only two pieces of feedback are 1) I thi... by Jonathan Aulson

Jonathan Aulson

17/2 4:06 PM

My only two pieces of feedback are 1) I think we need clear visibility into the "Architecture and Design Backlog" in terms of exact user stories. I propose we discuss how to identify this during our next call. And 2) my experience is that story grooming could take more time than is allotted here... we may want to think about either extending the meeting out to 90 minutes and/or alternating agenda weeks where backlog grooming occurs only on the weeks in between sprint start days.

Love the direction this is heading though by Jonathan Aulson

Jonathan Aulson

17/2 4:06 PM

Love the direction this is heading though

my thought with respect to no. 1 is that th... by Johnn Hesseltine

Johnn Hesseltine

17/2 4:10 PM

my thought with respect to no. 1 is that the "Architecture and Design Backlog" is more of a logical concept and simply a view of the overall backlog where "Tag = Architecture & Design"

with respect to no. 2, it could be that this is simply a part of backlog grooming already on our calendars, but i can also see a world where we do this as a part of the architecture sync but only every other week as you described

1 Like reaction.

bottom line is i would like this weekly syn... by Johnn Hesseltine

Johnn Hesseltine

17/2 4:11 PM

Edited

bottom line is i would like this weekly sync to be very well defined, deliberate and intentional. this should be our north star, and i am happy to hear ideas on how we might get there

and, we can of course iterate and refine ov... by Johnn Hesseltine

Johnn Hesseltine

17/2 4:13 PM

Edited

and, we can of course iterate and refine over time as appropriate, but i think what i shared before (and the feedback already provided) is a nice place to start

Looks good for me. Jonathan Aulson I'm ... by Cesar Figueroa

17/2 4:28 PM

Cesar Figueroa

Looks good for me.

Jonathan

Aulson

I'm still working on the topics for tomorrow. I will let you know when I finish the proposed agenda

1 Like reaction.

in addition, i believe the meeting organize... by Johnn Hesseltine

Johnn Hesseltine

17/2 4:29 PM

in addition, i believe the meeting organizer is currently

Christopher

. this may be a good time to cancel the original series and have

Cesar

create a new recurring series with the series agenda

Begin Reference, in addition, i believe the... by Christopher Thompson

Christopher Thompson

17/2 4:30 PM

Johnn Hesseltine17/2/25 4:29 PM

in addition, i believe the meeting organizer is currently Christopher. this may be a good time to cancel the original series and have Cesar create a new recurring series with the series agenda

I was thinking the same thing. I can make him a co-organizer as well if we want to keep this history intact

1 Like reaction.

good point. perhaps that is the best approa... by Johnn Hesseltine

Johnn Hesseltine

17/2 4:30 PM

good point. perhaps that is the best approach

1 Like reaction.

18 February

Meeting ended: at 18/2 4:14 PM after 1 hour 14 minutes 1 second

18/2 4:14 PM Meeting ended: 1h 14m 1s

Attendance

Download the attendance report

Link Power Platform ALM.docx by Cesar Figueroa, has an attachment.

18/2 4:16 PM

Cesar Figueroa

Power Platform ALM.docx

Power Platform ALM.docxTownePark > Billing Modernization

Here are my notes if someone wants to see t... by Cesar Figueroa

18/2 4:16 PM

Cesar Figueroa

Here are my notes if someone wants to see the other topics

just a note for this group to file away for... by Johnn Hesseltine

Johnn Hesseltine

18/2 5:37 PM

just a note for this group to file away for later, no immediate action to be taken. but i found this ideas in this graphic to be interesting. in particular, with respect to the development environment, the idea that a "build pipeline instantiates a pristine development environment daily." i wonder why not continuously on every merge to a mainline development branch rather than only once a day.

another interesting concept is the Configur... by Johnn Hesseltine

Johnn Hesseltine

18/2 5:40 PM

another interesting concept is the Configuration Migration tool which can be used to transport configuration and test data from one environment to another. It provides the means to capture such data, use that data in source control, and use that data to automate testing. Don't just rely on an environment for isolation: use source control instead > https://learn.microsoft.com/en-us/power-platform/alm/configure-and-deploy-tools

The key concepts here are

the capturing of test data

source controlling of test data

transporting test data from one environment to another

using the test data to automate testing

Configuration Migration tool in Power Platform - Power Platform

Learn about transporting configuration data and test data from one environment to another in Power Platform.

learn.microsoft.com

I will take a look on those documents by Cesar Figueroa

18/2 5:45 PM

Cesar Figueroa

I will take a look on those documents

👍 just leisurely reading for now, no actio... by Johnn Hesseltine

Johnn Hesseltine

18/2 5:47 PM

👍 just leisurely reading for now, no action to take, at least not today. just want to start familiarizing ourselves with the concepts

19 February

Everyone something that needs to be placed... by Johnn Hesseltine

Johnn Hesseltine

19/2 2:43 PM

Edited

Everyone something that needs to be placed on this group's radar is addressing our current state approach to CI/CD. It could be this is already "on our radars" and in fact we have a user story already created. In that case, what I am about to describe is simply additional detail (and, perhaps acceptance criteria) that must be added. I will say, there is likely an opportunity to decompose into finer grained user stories once we fully understand the scope of "addressing our current state approach to CI/CD."

Regardless, the summary is we have 2 Azure pipelines, today. One is responsible for deploying the app (react frontend + api backend) to our development SWA environment and the other deploys the app to BOTH our release and production environments.

The latter deploys to release and production from the same branch (master). What this means is there is no ability to deploy a release candidate to a pre-production environment (e.g. TEST, STAGE, etc.) using our Azure pipelines. Today, as currently configured, the moment we merge changes to the master branch we have invoked a production deployment of the app. Until addressed, this means all development as well as QA and UAT testing must be carried out in our development environment. For this reason, I believe this item to be relatively urgent and this urgency should be reflected in the prioritization and planning.

This is a visualization of our current state (also available in our Finance Systems Modernization board in Miro)...

Let me know whether there are questions about what was said here.

2 Like reactions.

2

20 February

Everyone I just read a bit I had never see... by Johnn Hesseltine

Johnn Hesseltine

20/2 11:16 AM

Edited

Everyone I just read a bit I had never seen before. "A process-flow can be associated to a maximum of 25 cloud flows." > https://learn.microsoft.com/en-us/power-platform/admin/power-automate-licensing/deep-dive-on-specific-license#power-automate-process-license

Do we know how many cloud flows are associated with our top-level process flow where the process license has been allocated (i.e. Statement Generation)?

We have 51 cloud flows on the Billing Solut... by Cesar Figueroa

20/2 11:33 AM

Cesar Figueroa

We have 51 cloud flows on the Billing Solution, I'm checking which are associated with tha main process

A lot of those are duplicate versions that ... by Christopher Thompson

Christopher Thompson

20/2 11:35 AM

A lot of those are duplicate versions that are no longer in use. We'll probably have to manually check which ones are no longer in use

yeah, i am looking for the count with dupli... by Johnn Hesseltine

Johnn Hesseltine

20/2 11:38 AM

yeah, i am looking for the count with duplicates eliminated

Begin Reference, Everyone something that ... by Jonathan Aulson

Jonathan Aulson

20/2 11:49 AM

Johnn Hesseltine19/2/25 2:43 PM

Everyone something that needs to be placed on this group's radar is addressing our current state approach to CI/CD. It could be this is already "on our radars" and in fact we have a user story already created. In that case, what I am about to describe is simply additional detail (and, perhaps acc…

1020

(unrelated to current conversation... just FYI)

1 Sign of the horns reaction.

Begin Reference, yeah, i am looking for the... by Christopher Thompson

Christopher Thompson

20/2 11:51 AM

Johnn Hesseltine20/2/25 11:38 AM

yeah, i am looking for the count with duplicates eliminated

I'm counting 24

Charlie Alan GIF by Adult Swim (GIF Image) by Johnn Hesseltine

Johnn Hesseltine

20/2 12:01 PM

But we will need to create more cloud flow ... by Cesar Figueroa

20/2 12:03 PM

Cesar Figueroa

But we will need to create more cloud flow for forecasting right? So propably we will need to buy another Process License?

perhaps. if Forecasting is to be considere... by Johnn Hesseltine

Johnn Hesseltine

20/2 12:07 PM

Edited

perhaps. if Forecasting is to be considered an entirely separate business process, they yes, we will likely license the process independent of and separate from Invoicing

1 Like reaction.

25 February

Meeting started at 25/2 2:58 PM

25/2 2:58 PM Meeting started

Link https://learn.microsoft.com/en-us/powe... by Christopher Thompson

Christopher Thompson

25/2 3:25 PM

https://learn.microsoft.com/en-us/power-query/dataflows/get-best-of-standard-dataflows

Field mapping considerations for standard dataflows - Power Query | Microsoft Learn

Learn how to get the best outcomes when you create dataflows that write their output to Dataverse.

learn.microsoft.com

image by Christopher Thompson

Christopher Thompson

25/2 3:28 PM

Meeting ended: at 25/2 4:30 PM after 1 hour 31 minutes 45 seconds

25/2 4:30 PM Meeting ended: 1h 31m 45s

Attendance

Download the attendance report

Some points: We conducted a simple test wit... by Cesar Figueroa, has an attachment.

25/2 7:58 PM

Cesar Figueroa

Some points:

We conducted a simple test with

Christopher

Thompson

to validate the import from a .csv file using Dataflow, which was the pending activity in defining the automatic backup process. The test was successful, so I removed the pending activity, created the corresponding documentation in Loop, and closed the task, although the story remains open. the documentation is here: Automated Backup Strategy.loop

Jonathan

Aulson

Johnn

Hesseltine

Based on the discussions we had during the meeting, the image of the first iteration changed slightly. We decided to include the QA Sandbox alongside the release branch in the first iteration. We agreed that even if everything is manual at this stage, it is something we urgently need. Therefore, starting tomorrow, I will work on bringing that image to life. I created some tasks such as:

Create the release branch

Install and set up XRMToolbox

Create the Developer Environment - Cesar Figueroa

Import data into the Developer Environment

Import Power Automate objects into the Developer Environment

We still have some pending points that we couldn't address during the discussion, so I will schedule a meeting tomorrow to finalize what was left pending due to a lack of time.

Automated Backup Strategy.loop

i thought we tried using Dataflow in februa... by Johnn Hesseltine

Johnn Hesseltine

25/2 8:08 PM

i thought we tried using Dataflow in february and we were not successful. am i mistaken?

I was not able to get it to work at the tim... by Christopher Thompson

Christopher Thompson

25/2 8:38 PM

I was not able to get it to work at the time, I'm not sure if it was due to the environment type or if I just missed the correct options when setting up the Dataflow. Either way I think it's worth a second shot, since we can get another set of eyes on it and take the time to fully understand how it all works.

agreed, but please be sure we also understa... by Johnn Hesseltine

Johnn Hesseltine

25/2 9:45 PM

agreed, but please be sure we also understand what is being done differently this time around such that we learn from whatever misunderstanding we had the last time we attempted this

4 March

Meeting started at 4/3 3:00 PM

4/3 3:00 PM Meeting started

Link https://make.powerapps.com/environment... by Cesar Figueroa

4/3 3:43 PM

Cesar Figueroa

https://make.powerapps.com/environments/3ae07371-4283-e4ed-950b-3fcd44f28019/solutions/69d41c53-fa47-4d44-b649-8669f4f16314

Meeting ended: at 4/3 4:01 PM after 1 hour 1 minute 19 seconds

4/3 4:01 PM Meeting ended: 1h 1m 19s

Attendance

Download the attendance report

Hello, I was thinking in something like thi... by Cesar Figueroa

4/3 7:33 PM

Cesar Figueroa

Hello, I was thinking in something like this:

I will talk tomorrow with Johnathan to see ... by Cesar Figueroa

4/3 7:35 PM

Cesar Figueroa

I will talk tomorrow with Johnathan to see if we can schedule a meeting with TownePark Team to discuss that data integration

and I will check the current status of the ... by Cesar Figueroa

4/3 7:35 PM

Cesar Figueroa

and I will check the current status of the QA team in terms of the data that they are looking

Begin Reference, I will talk tomorrow with ... by Johnn Hesseltine

Johnn Hesseltine

4/3 8:19 PM

Cesar Figueroa4/3/25 7:35 PM

I will talk tomorrow with Johnathan to see if we can schedule a meeting with TownePark Team to discuss that data integration

Cesar

, before we meet with the Towne Park team please schedule an internal sync to review this diagram. i would also like to understand what messages and/or requests you intend on communicating to the towne park team.

With respect to the diagram, is this a proposed future state? is a single non-prod database server to be shared by every non-prod environment what you are recommending here? who is the intended audience for this diagram?

5 March

Hello Johnn Hesseltine , to be honest, t... by Cesar Figueroa

5/3 11:00 AM

Edited

Cesar Figueroa

Hello

Johnn

Hesseltine

, to be honest, that version of the diagram was not intended to be the final scenario; it's more of an intermediary status. What I would actually like to propose is having three data servers: one for dev, one for QA, and one for production, where the QA server would be consumed by shared environments that are not meant for development, such as QA, UAT, and Training.

Then, a Dev server for the shared development environment and isolated environments, and a production environment.

And what we need from the client is to plan the creation of these servers and gateways. At the moment, there are already discussions about having static data for QA, so in addition to those discussions, we would need to mention this separation and the creation of the new gateways.

The proposal would look something like this:

I will schedule a meeting tomorrow morning ... by Cesar Figueroa

5/3 5:20 PM

Cesar Figueroa

I will schedule a meeting tomorrow morning to talk about this again

are there any gotchas that may come along w... by Johnn Hesseltine

Johnn Hesseltine

5/3 5:29 PM

are there any gotchas that may come along with multiple environments sharing the same storage account? for example, suppose Site Numbers were used as a part of the path to the location of a particular blob, is is possible that reports for a Site may be overwritten inadvertently?

Begin Reference, are there any gotchas that... by Cesar Figueroa

5/3 11:09 PM

Edited

Cesar Figueroa

Johnn Hesseltine5/3/25 5:29 PM

are there any gotchas that may come along with multiple environments sharing the same storage account? for example, suppose Site Numbers were used as a part of the path to the location of a particular…

That’s a good point! To minimize the risk of data being overwritten across different environments, we can implement a multi-tenant strategy where the environment is included as part of the identifier. For example, we can structure the blob storage paths like this: /qa/{site\_id}/reports/{filename}, /uat/{site\_id}/reports/{filename}, and so on.  
  
This ensures that each environment has its own isolated data, preventing accidental overwrites.

If the client were to create a separate ser... by Cesar Figueroa

5/3 11:10 PM

Cesar Figueroa

If the client were to create a separate server for each connection, administration would become challenging, and they would need to constantly replicate data for maintenance purposes.  
  
Instead, the approach I considered is to separate environments intuitively based on their purpose—Development, QA, or Production—while handling schema separation at a logical level using this multi-tenant strategy. This way, we maintain data integrity while keeping the infrastructure simple and scalable.

14 March

Meeting ended: at 14/3 3:05 PM after 1 hour 5 minutes 33 seconds

14/3 3:05 PM Meeting ended: 1h 5m 33s

Attendance

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18 March

Meeting started at 18/3 2:00 PM

18/3 2:00 PM Meeting started

<?xml version="1.0" encoding="utf-8"?><soap... by Christopher Thompson

Christopher Thompson

18/3 3:18 PM

Edited

<?xml version="1.0" encoding="utf-8"?><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"><soap:Body><RunMapDataTableResponse xmlns="http://tempuri.org"><RunMapDataTableResult>SmartConnect could not be loaded: Could not create session factory.</RunMapDataTableResult></RunMapDataTableResponse></soap:Body></soap:Envelope>

Meeting ended: at 18/3 3:18 PM after 1 hour 18 minutes 26 seconds

18/3 3:18 PM Meeting ended: 1h 18m 26s

Attendance

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25 March

Meeting started at 25/3 2:00 PM

25/3 2:00 PM Meeting started

Here’s a technical breakdown of the limit... by Jonathan Aulson

Jonathan Aulson

25/3 3:07 PM

Here’s a technical breakdown of the limitations and workarounds for your scenario:

Short Answer   
No, you cannot natively restrict AppRoleAssignment.ReadWrite.All to a specific group of users or resource group in Azure AD. This permission grants tenant-wide access to manage app role assignments. However, you can use Azure AD administrative units or custom logic to approximate this restriction.

Why It’s Not Directly Possible   
1. AppRoleAssignment.ReadWrite.All is Tenant-Wide   
 - This Microsoft Graph permission allows the service principal to assign app roles (e.g., User.ReadWrite.All) for any user, group, or enterprise app in the tenant.   
 - Azure AD lacks native scoping for this permission (e.g., to a specific group or resource group).

2. Resource Groups ≠ Azure AD Groups   
 - Resource groups (Azure) and Azure AD groups (identity) are separate concepts. App role assignments apply to Azure AD objects, not Azure resource groups.

Workarounds   
Option 1: Use Azure AD Administrative Units   
- What: Administrative units let you segment users/groups into "containers" and delegate admin rights over them.   
- How:   
 1. Create an administrative unit for the target users/groups.   
 2. Assign the service principal a role scoped to the administrative unit (e.g., User Administrator restricted to the unit).   
- Limitation:   
 - Administrative units only work for user/group management, not app role assignments. AppRoleAssignment.ReadWrite.All remains tenant-wide.

Option 2: Build a Proxy Layer with Logic   
- What: Create a custom API (e.g., Azure Function) that acts as a middleman.   
- How:   
 1. Grant the service principal access to the API (not directly to Microsoft Graph).   
 2. In the API, validate if the target user is in the allowed group before calling Microsoft Graph’s appRoleAssignment endpoint.   
 3. Use Microsoft Graph SDK to perform the assignment only if validation passes.   
- Tools:   
 - Azure Functions (host the logic).   
 - Microsoft Graph SDK (to interact with Azure AD).   
 - Azure AD Groups (to validate membership).   
- Value:   
 - Enforces group-based restrictions programmatically.

Option 3: Least-Privilege Alternative   
- What: Avoid granting AppRoleAssignment.ReadWrite.All entirely. Instead:   
 1. Pre-assign app roles to the allowed group in the enterprise app.   
 2. Use User.ReadWrite.All (scoped to the group via administrative units) to manage user attributes.   
- Limitation:   
 - Only works if you don’t need dynamic role assignments.

Security Recommendations   
1. Audit and Monitor: Use Azure AD audit logs to track all app role assignments made by the service principal.   
2. Temporary Permissions: Use Azure AD Privileged Identity Management (PIM) to activate AppRoleAssignment.ReadWrite.All only when needed.   
3. Zero Trust: Treat the service principal as a highly privileged identity. Restrict its use to specific IP ranges or managed identities.

Summary   
Azure AD’s permissions model doesn’t support scoping AppRoleAssignment.ReadWrite.All to specific groups. Your best options are:   
1. Use a proxy layer with custom logic.   
2. Replace AppRoleAssignment.ReadWrite.All with less privileged permissions + administrative units.   
3. Tightly monitor and govern the service principal’s activity.

If neither works, consider rearchitecting the app to avoid requiring tenant-wide app role assignment permissions.

Meeting ended: at 25/3 3:13 PM after 1 hour 12 minutes 52 seconds

25/3 3:13 PM Meeting ended: 1h 12m 52s

Attendance

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1 April

Meeting ended: at 1/4 3:26 PM after 1 hour 26 minutes 11 seconds

1/4 3:26 PM Meeting ended: 1h 26m 11s

Attendance

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3 April

Options to Connect Azure Function to On-Pre... by Cesar Figueroa

3/4 1:09 PM

Edited

Cesar Figueroa

Options to Connect Azure Function to On-Premise System:  
  
1. Power Automate + On-premises Data Gateway (Your current solution)  
• How it works: A flow in Power Automate connects to your on-prem system via a secure gateway. The Static Web App calls the flow via HTTP.  
• Pros: No firewall changes, low-code, secure, quick to set up.  
• Cons: Limited flexibility for custom logic or complex APIs; premium connector required for HTTP trigger.  
  
⸻  
  
2. Azure Function + Hybrid Connection  
• How it works: Azure Function (on App Service Plan) uses Hybrid Connection to reach on-prem systems over a secure tunnel.  
• Pros: Full control over code and logic, secure, supports custom protocols.  
• Cons: Requires App Service Plan (not Consumption), setup can be more involved.  
  
⸻  
  
3. Azure Function in VNet + VPN/ExpressRoute  
• How it works: Azure Function in a VNet connects to your on-prem network via a site-to-site VPN or ExpressRoute.  
• Pros: Enterprise-grade, scalable, works with existing network infrastructure.  
• Cons: Higher cost, more complex to configure and maintain.  
  
⸻  
  
4. Exposing On-Prem System via Public API (secured)  
• How it works: On-prem system exposes an API via public IP, secured by firewall rules, TLS, and authentication.  
• Pros: Simple and direct.  
• Cons: Riskier from a security perspective, not recommended unless tightly controlled.  
  
⸻  
  
Best Approach Recommendation  
  
Best fit for most scenarios (especially if already using Microsoft ecosystem):  
→ Power Automate + On-premises Data Gateway  
  
Why?  
• It’s secure, easy to manage, and integrates natively with other Microsoft tools.  
• You’re already using it successfully.  
• No need to open firewall ports or manage VPNs.  
• Good enough for business workflows and data access.  
  
⸻  
  
If in the future you need more control, custom logic, or to handle high-volume traffic, you could evolve toward:  
  
→ Azure Function with Hybrid Connection or VNet Integration

FYI: I also found the limitations in the us... by Cesar Figueroa

3/4 5:24 PM

Cesar Figueroa

FYI: I also found the limitations in the use of Dataflow:

A dataflow refresh can run for a maximum of 24 hours.

A dataflow can be refreshed up to 48 times per 24 hours (once every 30 minutes).

Each query/partition has a maximum run duration of four hours.

For each refresh, there's a concurrency limit of four queries/partitions that can refresh simultaneously.

Power Query Online refresh limits apply for each user. More information:  
  
https://learn.microsoft.com/en-us/power-query/dataflows/what-licenses-do-you-need-in-order-to-use-dataflows#power-apps-licenses

What licenses do you need to use dataflows - Power Query

Describes the various licenses you need for various apps for you to use either analytical or standard dataflows.

learn.microsoft.com

I added that here: Link Data Replication P... by Cesar Figueroa, has an attachment.

3/4 5:26 PM

Cesar Figueroa

I added that here: Data Replication Process.loop

Data Replication Process.loop

8 April

Hello, I don’t have open questions right no... by Cesar Figueroa

8/4 12:30 PM

Cesar Figueroa

Hello, I don’t have open questions right now, I need the time to continue with the ALM process , so for today I will cancel this meeting

1 Like reaction.

Is that ok? Jonathan Aulson Johnn Hessel... by Cesar Figueroa

8/4 12:31 PM

Cesar Figueroa

Is that ok?

Jonathan Aulson

Johnn Hesseltine

Unless Aulson sees today's conversation a... by Johnn Hesseltine

Johnn Hesseltine

8/4 1:25 PM

Unless

Aulson

sees today's conversation as necessary in order to enable the successful completion of the current sprint or even a future sprint, I am okay with cancelling today.

1 Like reaction.

15 April

Meeting ended: at 15/4 3:06 PM after 1 hour 7 minutes 3 seconds

15/4 3:06 PM Meeting ended: 1h 7m 3s

Attendance

Download the attendance report

Link EDW Budget data architecture by Christopher Thompson

Christopher Thompson

15/4 3:06 PM

EDW Budget data architecture

Microsoft Loop - Think, plan and create together

loop.cloud.microsoft

Johnn - I believe we found that the cost ... by Jonathan Aulson, has an attachment.

Jonathan Aulson

15/4 3:16 PM

Johnn

-

I believe we found that the cost for additional space in Dataverse tenant is $3/month/GB.

Here is Cesar's document where he lists expected row counts for Forecasting:

Site Statistic BudgetActuals and Forecasting Data.loop

In terms of our current data capacity, I only have this information from 2/28. I can request a refresh of this screenshot from Guy if you feel its needed (lmk if so)

Site Statistic BudgetActuals and Forecasting Data.loop

I believe this covers what you asked for in... by Jonathan Aulson

Jonathan Aulson

15/4 3:17 PM

I believe this covers what you asked for in terms of follow up, lmk if I missed anything

22 April

I can't attend the first 30 minutes of this... by Jonathan Aulson

Jonathan Aulson

22/4 3:58 PM

I can't attend the first 30 minutes of this tomorrow, but I'm betting you guys will survive

1 Like reaction.

23 April

Hello team, I would like to provide a qui... by Cesar Figueroa, has an attachment.

23/4 11:51 AM

Cesar Figueroa

Hello team,

I would like to provide a quick update on the progress made regarding the proposed architecture to enable access from our Azure-hosted applications to the on-premise SQL database, as an alternative to our current solution based on Power Automate.

Summary of progress:

I have documented an initial solution using Azure App Service with Hybrid Connections, which allows a centralized API to securely connect to the on-premise database.

This API can be used to interact with the data without relying on Power Automate.

An initial draft of the proposal has been created in the Loop page, which includes the technical overview, implementation details, testing strategy, and deployment considerations.

Initial comparison of approaches:

Hybrid Connections (App Service): Offers a simple and effective solution for accessing specific on-premise resources. It requires minimal configuration.

VPN Gateway with VNet Integration: Provides a more robust and scalable architecture for broader access to on-premise systems, but requires additional coordination with infrastructure teams and more extensive setup, and that can be a problem to handle with the TownePark team.

Next steps:

To ensure we have a fully detailed and well-documented version of the proposal, I will continue working on it over the next few days. With this in mind, I propose that we reschedule our current meeting to the next week, allowing time to finalize the technical details and provide a more complete presentation for review and discussion.

Please feel free to review the current draft in the Loop page and share any feedback in the meantime. I will continue to keep you informed as the work progresses.

Draft: EDW Budget data architecture II.loop

EDW Budget data architecture II.loop

Have we talked about Hybrid Connections and... by Johnn Hesseltine

Johnn Hesseltine

23/4 2:57 PM

Have we talked about Hybrid Connections and Azure App Services before? This sounds vaguely familiar

24 April

Begin Reference, Have we talked about Hybri... by Johnn Hesseltine

Johnn Hesseltine

24/4 8:26 AM

Johnn Hesseltine23/4/25 2:57 PM

Have we talked about Hybrid Connections and Azure App Services before? This sounds vaguely familiar

Cesar

?

Begin Reference, Cesar?, Johnn Hesseltine, ... by Cesar Figueroa

24/4 8:27 AM

Cesar Figueroa

Johnn Hesseltine24/4/25 8:26 AM

Cesar?

I reviewed my notes and I didn't presented that idea formally yet but I posted a message listing that idea here in the chat a couple of weeks ago

Begin Reference, Options to Connect Azure F... by Cesar Figueroa

24/4 8:28 AM

Cesar Figueroa

Cesar Figueroa3/4/25 1:09 PM

Options to Connect Azure Function to On-Premise System: 1. Power Automate + On-premises Data Gateway (Your current solution) • How it works: A flow in Power Automate connects to your on-prem system via a secure gateway. The Static Web App calls the flow via HTTP. • Pros: No firewall changes, …

here

29 April

Meeting ended: at 29/4 3:13 PM after 1 hour 14 minutes 35 seconds

29/4 3:13 PM Meeting ended: 1h 14m 35s

Attendance

Download the attendance report

6 May

i will be there shortly by Johnn Hesseltine

Johnn Hesseltine

6/5 1:59 PM

i will be there shortly

Meeting started at 6/5 2:00 PM

6/5 2:00 PM Meeting started

Link users-management-fn.azurewebsites.net/... by Cesar Figueroa

6/5 2:28 PM

Cesar Figueroa

users-management-fn.azurewebsites.net/api/budget-data?code=5KVxF6odlnUHNZExkw-6QzHk1JDuW0\_43Ta5Lgx72Te0AzFuei9qgw==

Meeting ended: at 6/5 2:52 PM after 52 minutes 46 seconds

6/5 2:52 PM Meeting ended: 52m 46s

Attendance

Download the attendance report

13 May

Meeting ended: at 13/5 3:17 PM after 1 hour 17 minutes 36 seconds

13/5 3:17 PM Meeting ended: 1h 17m 36s

Attendance

Download the attendance report

Tuesday

Everyone , do we have content for today? by Johnn Hesseltine

Johnn Hesseltine

Tuesday 1:51 PM

Everyone, do we have content for today?

yes by Cesar Figueroa

Tuesday 1:51 PM

Cesar Figueroa

yes

I have one topic to discuss by Cesar Figueroa

Tuesday 1:51 PM

Cesar Figueroa

I have one topic to discuss

1 Like reaction.

Meeting started at Tuesday 2:00 PM

Tuesday 2:00 PM Meeting started

Recording started automatically per the organizer's setting

Tuesday 2:00 PM Recording started automatically per the organizer's setting

Meeting ended: at Tuesday 3:04 PM after 1 hour 3 minutes 33 seconds This meeting contains recordings, Architecture Weekly Sync, 20 May 2025 2:00 PM - 3:00 PM, Press Enter to view more

Tuesday 3:04 PM Meeting ended: 1h 3m 33s

Architecture Weekly Sync20 May 2025 2:00 PM - 3:00 PM

View recap

Content

Transcript

Attendance

Agenda and notes

+2

1h 3m 28s

Expires in 54 days

Recording has stopped.

Tuesday 3:04 PM Recording has stopped.

Recording has been saved to Christopher Thompson's OneDrive

Tuesday 3:06 PM Recording has been saved to Christopher Thompson's OneDrive

Today

Hello team, Today, while reviewing the appl... by Cesar Figueroa

9:54 AM

Edited

Cesar Figueroa

Hello team,

Today, while reviewing the application, I found an issue: the SSL certificate did not automatically renew for the custom domain: powerbill.townepark.com

As a result, when accessing the application in production, we’re receiving the following error:

Upon reviewing the error, I found that the root cause is that the certificate expired on 2025-05-25 17:59:59. In theory, the renewal should have been automatic, but this did not happen.

After reviewing potential solutions, the only one I found is to force the renewal by recreating the custom domain record meaning deleting the expired record and recreating it: https://statics.teams.cdn.office.net/evergreen-assets/safelinks/1/atp-safelinks.html

Since this involves deleting the resource, I wanted to check with you all first:

Has this happened before?

Can I go ahead with the deletion and recreation of the custom domain?

At the moment, some browsers (like Chrome) are not allowing access to production via the custom domain, while Edge is still allowing access but with a warning.

As a backup plan, we could use the default domain: ambitious-grass-00554670f.5.azurestaticapps.net.

Johnn Hesseltine Jonathan Aulson by Cesar Figueroa

9:54 AM

Cesar Figueroa

Johnn

Hesseltine

Jonathan

Aulson