

Migrating from BizTalk Server to Azure Logic Apps

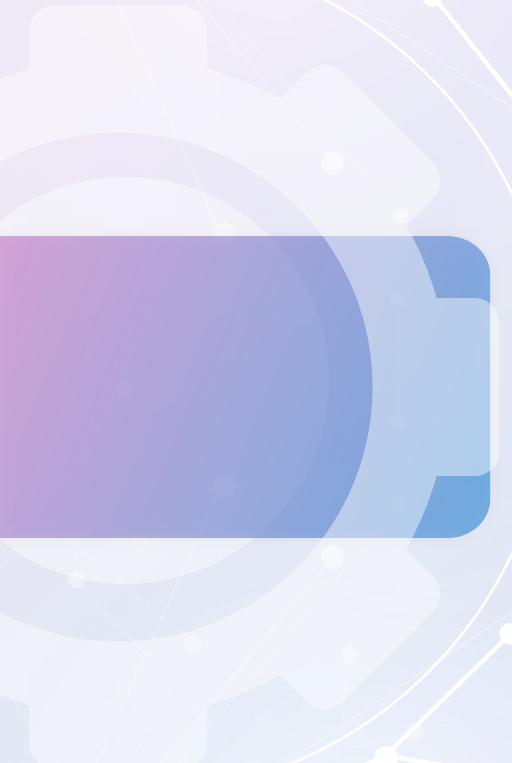
February 2025

 @hcamosu

 <https://www.linkedin.com/in/hcamposu>

 <https://www.youtube.com/@hcamosu>





Why Migrate?

Why Migrate?

Azure

Global Deployments

Consumption based pricing

Modern IPaaS Capabilities

Reusability of BizTalk Artifacts

The Best of Both Worlds

Hybrid Patterns

SaaS Connectivity

- Take advantage of a holistic cloud computing platform with Azure Logic Apps
- Innovate in the cloud with Azure Integration Services (AIS)

More regions than any other cloud provider

- Don't buy for peak: Accrue value as you grow
- Avoid hardware and infrastructure costs
 - Magic Quadrant Leader for 6 consecutive years
 - Azure Integration Services allows features to grow in the direction you want

Logic Apps allows extensive reusability of BizTalk artifacts

Leverage BizTalk Server and Host Integration Server capabilities in Logic Apps

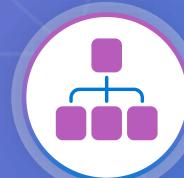
Hybrid Integration while leveraging Cloud native patterns

Over 1,000 out-of-box connectors

BizTalk Server 2020 End of Life



BizTalk Server 2020 follows the Fixed Lifecycle Policy.



This applies to the following editions:
Branch, Developer, Enterprise, Standard

Support dates

Listing

Start Date

Mainstream
End Date

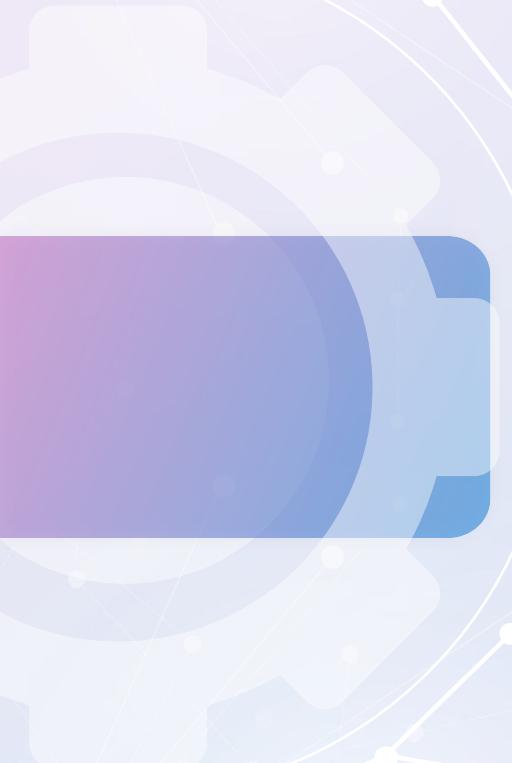
Extended
End Date

BizTalk Server 2020

Feb 1, 2020

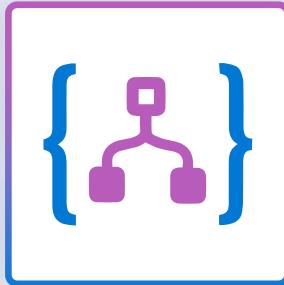
Apr 11, 2028

Apr 9, 2030



Getting Started

Our Goal



**Make Azure Logic Apps the
quickest and most cost-
effective option for
customers migrating from
BizTalk Server.**

Migration Principles



BizTalk Server and Azure Logic Apps have different architectures. Our goal is to provide capabilities that address core integration needs with Logic Apps and modernization capabilities with Azure Integration Services (AIS).



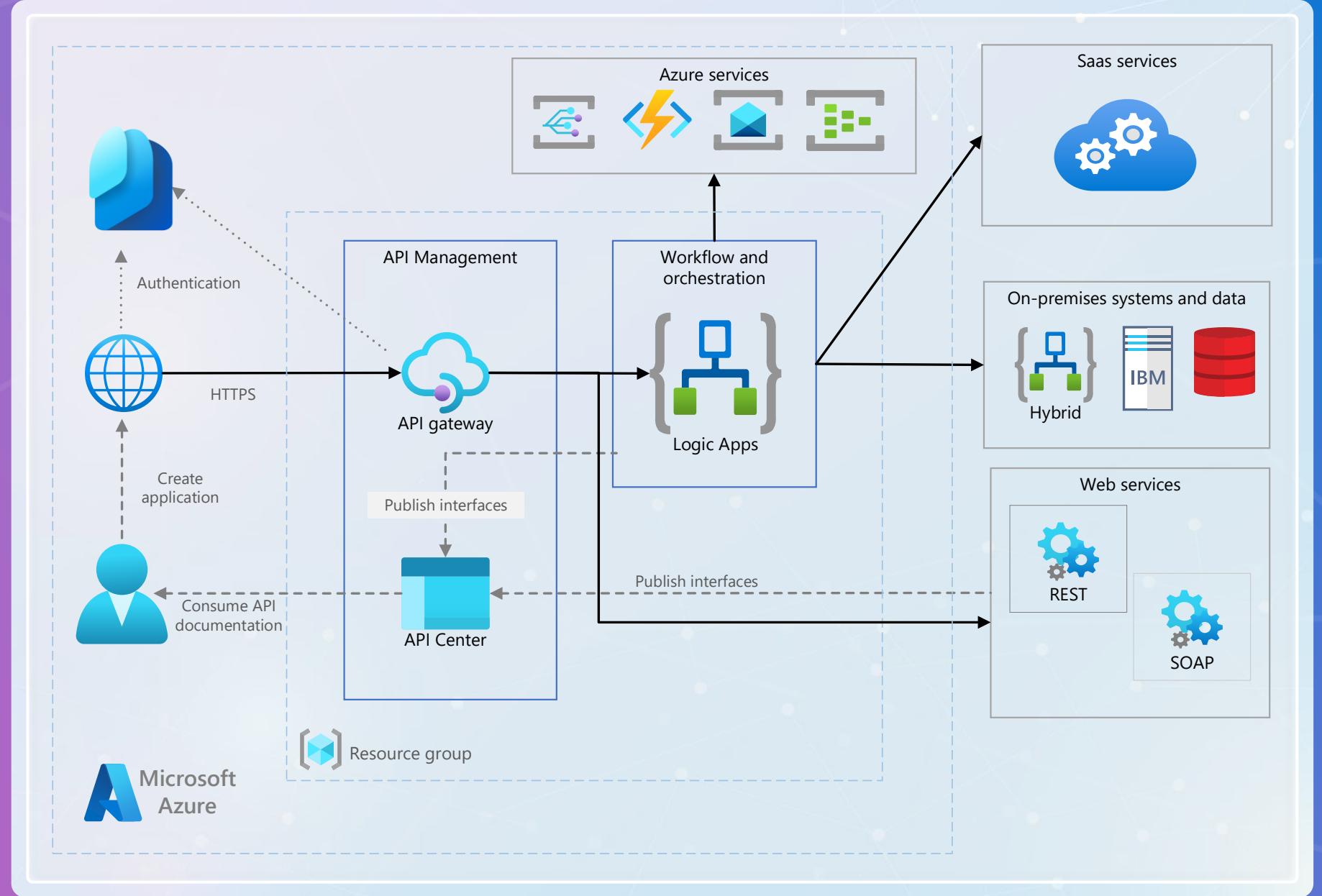
Support for Maps, Schemas, Custom assemblies, XML Operations, custom code, Hybrid deployment and Rules Engine in Logic Apps minimize re-architecture effort.



While limited re-architecting is required, it allows to take advantage of core AIS platform capabilities:

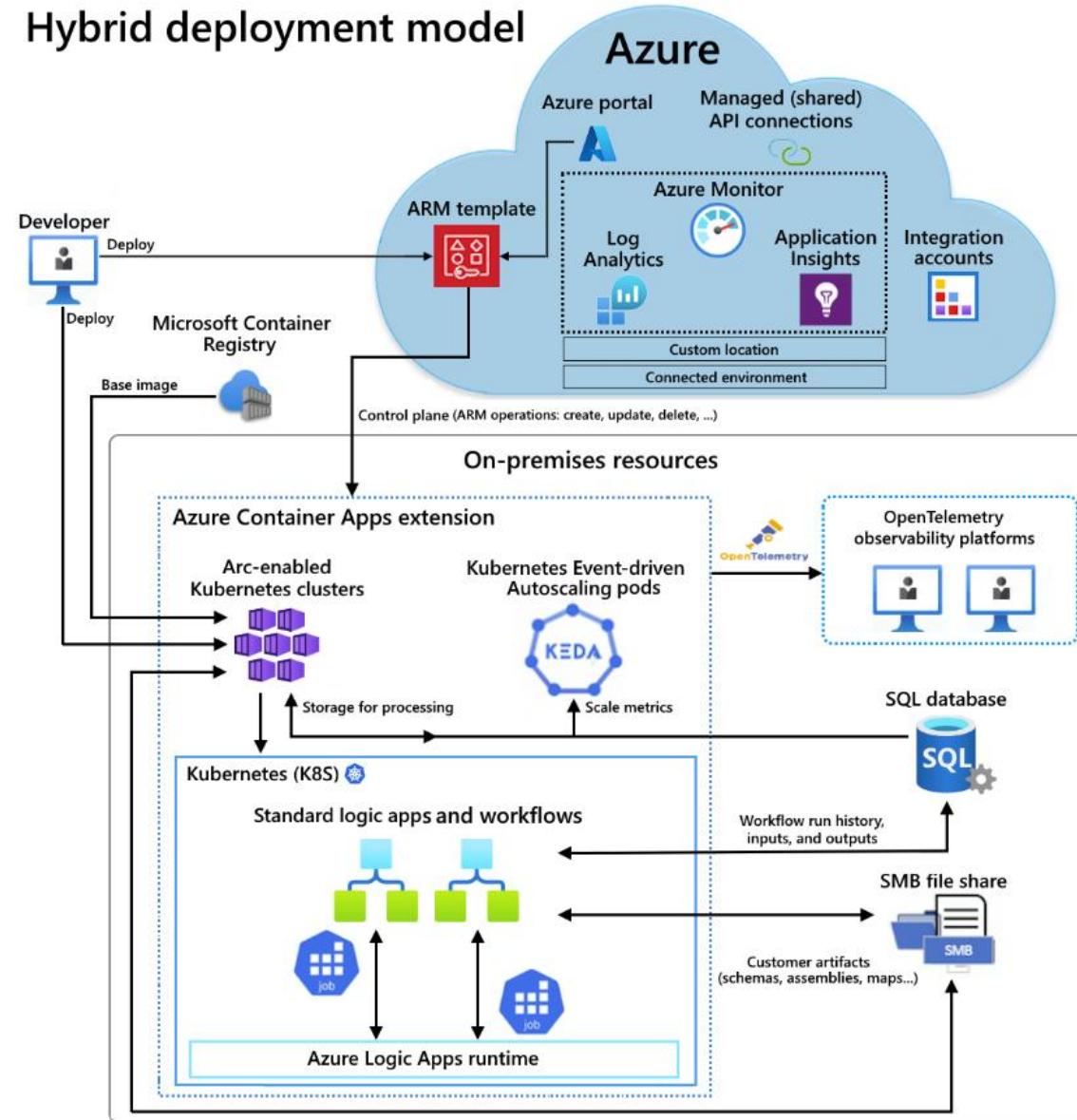
- Pub-Sub messaging using Azure Service Bus
- Workflow capabilities using Logic Apps workflows
- Direct Mainframe and Midranges Integration with Logic Apps connectors.
- SOAP capabilities in APIM.

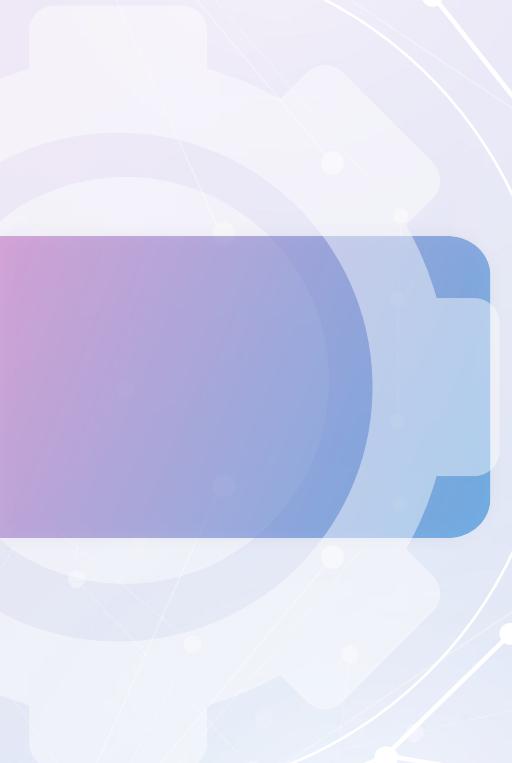
A New Paradigm in Azure



Or
On-premises

Hybrid deployment model





How to Migrate

A wave-based Migration from BizTalk to Azure Logic Apps

Migration Waves

Sprint 0

BizTalk Integration Workloads Migration Waves – (Multiple Sprints)

Migrated

Gradual Migration of Integration Workloads with Logic Apps and AIS



BizTalk Server
Discovery
and Design
Initial
Backlog

Create Logic
Apps
Workflows
Leverage AIS

Leverage
existing
Schemas and
Maps
Artifacts

Include
connectors

Test Co-
existence and
Update
BizTalk
Environment

Refactor
Messaging
components

Enable
Process
tracking and
Dashboards

Migrate
Accelerators
and Third
parties

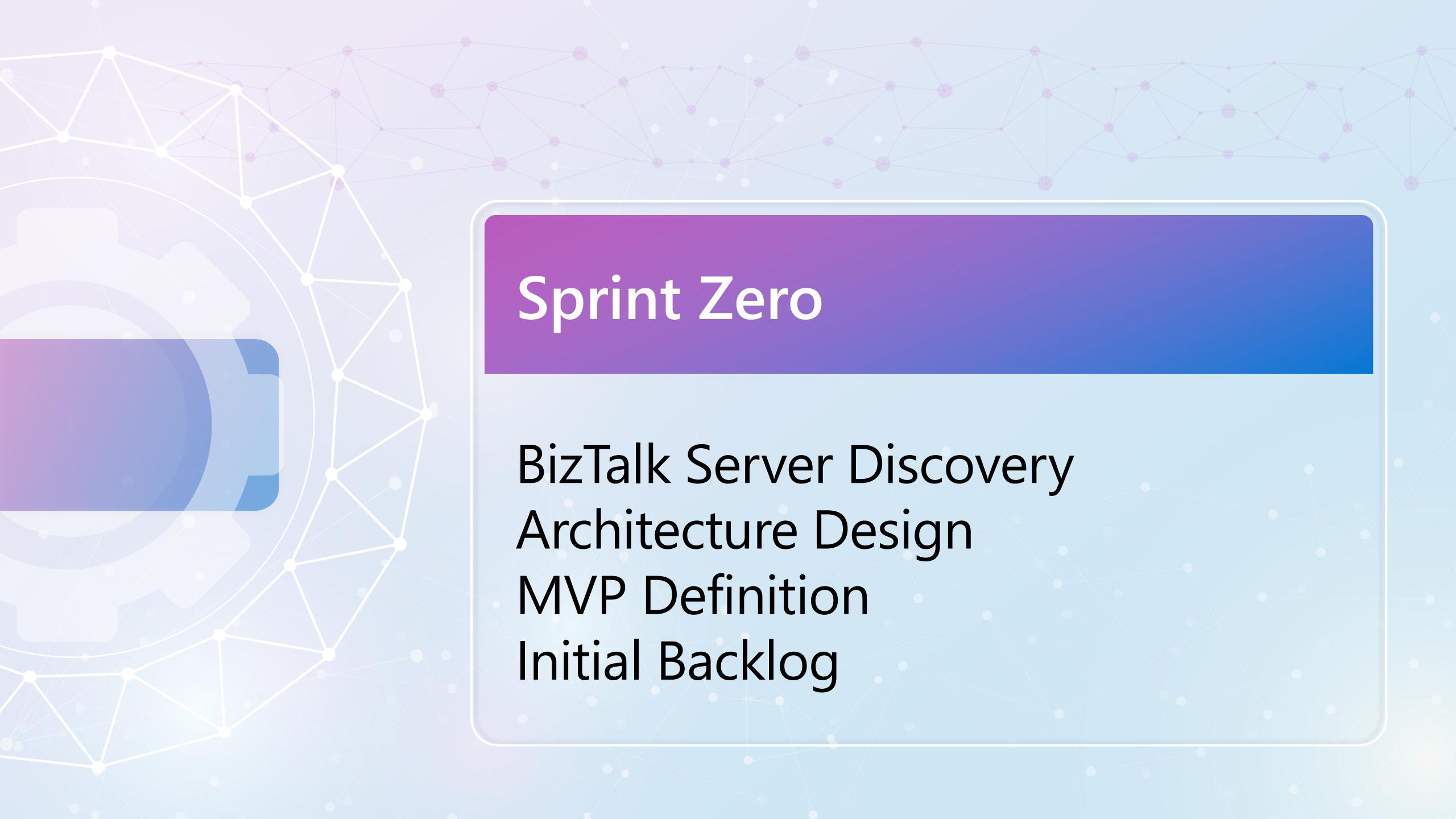
Cutover

Operationalization

Adoption & Change Management

Project Management & Governance

End to End DevOps Approach



Sprint Zero

BizTalk Server Discovery
Architecture Design
MVP Definition
Initial Backlog

Discovery

- How many interfaces do you have?
- What BizTalk features do you use?
- What BizTalk Adapters are being used?
- Do you use industry accelerators?
- Where is your custom code?
- What integration patterns do you use?
- What are the message sizes that you process?
- What network connections are required?
- Have you determined workloads complexity?
- What are your Service Level Objectives and Indicators?
- Do you have BizTalk developers?

Discovery tools

The screenshot shows the GitHub repository page for `mbrimble/biztalkdocumenter`. The repository is public and has 17 issues, 1 pull request, and 0 actions. It contains 1 branch and 0 tags. The master branch is selected. The repository description is "BizTalk Documenter". The repository has 18 commits from `mbrimble`, including a merge pull request from `RobBowman/master`. The commits include changes to `Microsoft.Services.Tools.BiztalkDocumenter`, `docs`, `downloads`, `README.md`, and `license.md`.

BizTalk Documenter

<https://github.com/mbrimble/biztalkdocumenter>

The screenshot shows the GitHub repository page for `Azure/aimtool`. The repository is public and has 16 issues, 1 pull request, and 0 actions. It contains 2 branches and 3 tags. The main branch is selected. The repository has 29 commits from `probertdaniel`, including updates to `.github`, `build/chocolatey/biztalkmigrator-cli`, `config`, `docs`, `src/Microsoft.AzureIntegrationMigration.T...`, and `tests`.

BizTalk Migrator

<https://github.com/Azure/aimtool>

Discovery tools – Coming soon – check the BLOG!

GHCP Migration extension for BizTalk and others

Well-Architected Foundations for Azure

Environment Landscape



Subscription design

Resource Group design

Security Standards



OAuth 2

Managed Identity

Azure Key Vault

Deploying



Azure DevOps

GitHub

Naming conventions



Resources

Workflows/Actions

Tagging

Logging/Telemetry



Log Analytics

Application Insights

Monitoring



Azure Monitor

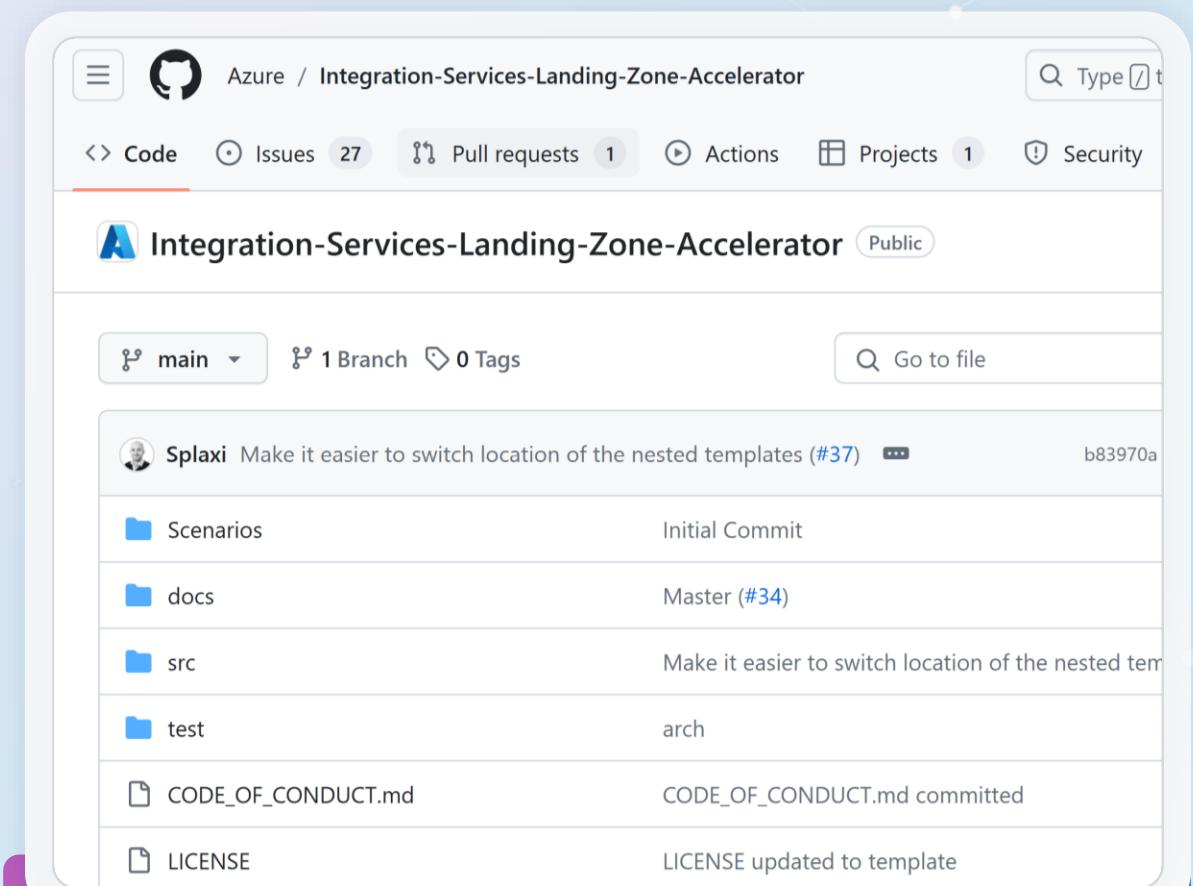
3rd Party

Azure Integration Services Landing Zone Accelerator

Best practices

Architectural guidelines

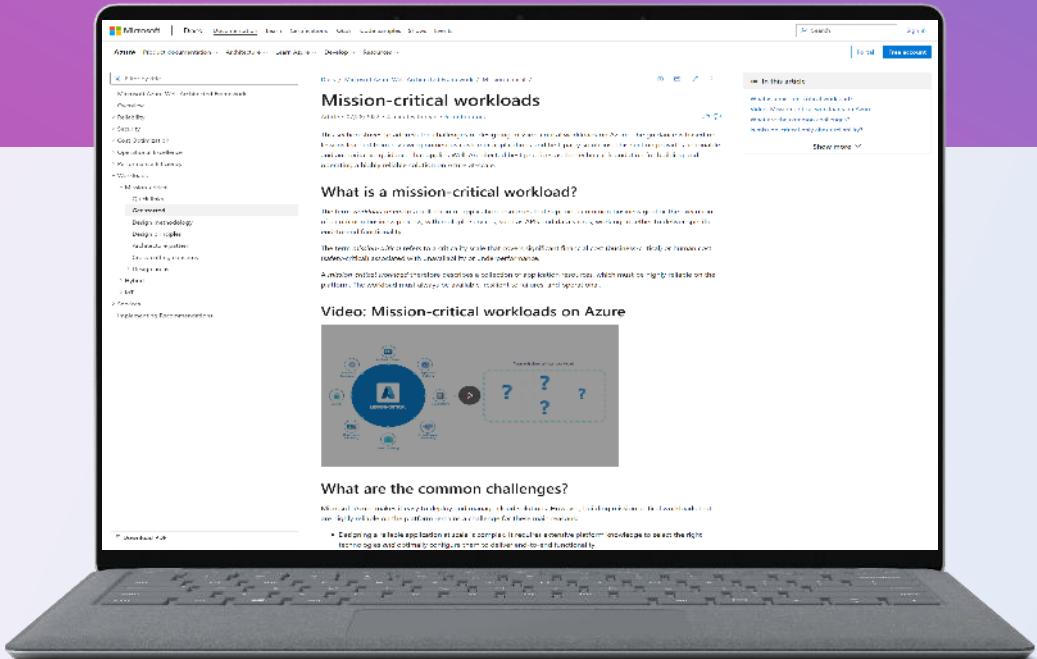
Pre-configured resources to deploy and manage Integration Services.



<https://aka.ms/EnterpriseScale-Integration-Services>

Architecture Design for BizTalk Migration

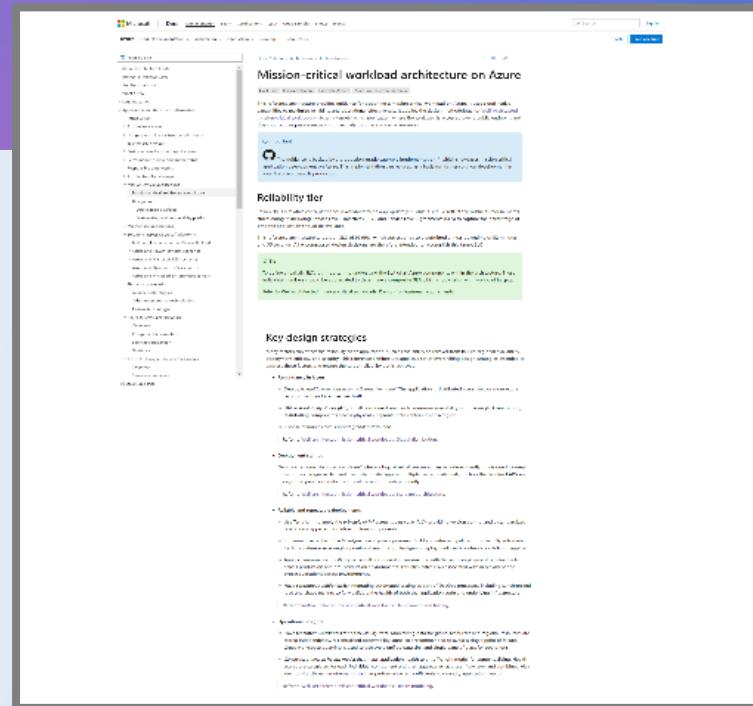
Follow a Well-Architected Mission-Critical Workload Design Methodology for BizTalk Migrations



Decision framework to support customers with **building** and **operating** mission-critical workloads.



Architecture Center
Basic Integration Reference Architecture



Production-grade references demonstrating key concepts, with '**plug and play**' capabilities to drive a solution centric approach.

What do I need to define a BizTalk Migration MVP?

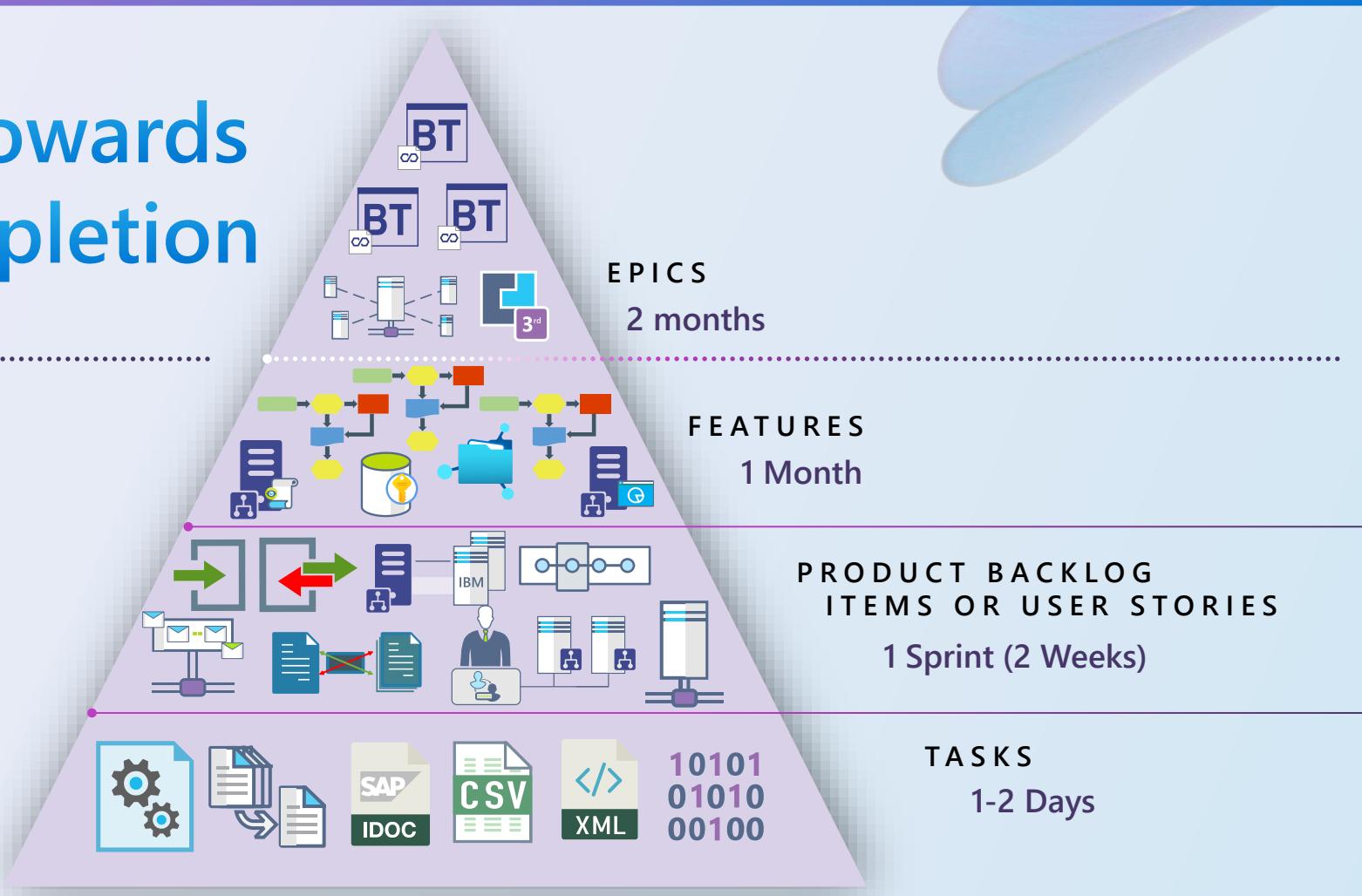
- Primary goal
- Business Process Flow
- Business Decisions for the MVP
- High Level System Functionality
- Actors / Personas
- Orchestrations
- Data Entities and Messages
- Data Mappings
- Business Rules
- Regulatory Considerations
- Data Privacy Considerations
- Proposed features for Coexistence
- Non-Functional Considerations
- Business Metrics (Optional)
- Out-of-Scope for MVP

What goes into the Initial Backlog for MVP?

Epics, Features and User Stories

MVP + Work towards migration completion

Integration workloads





Migration Waves

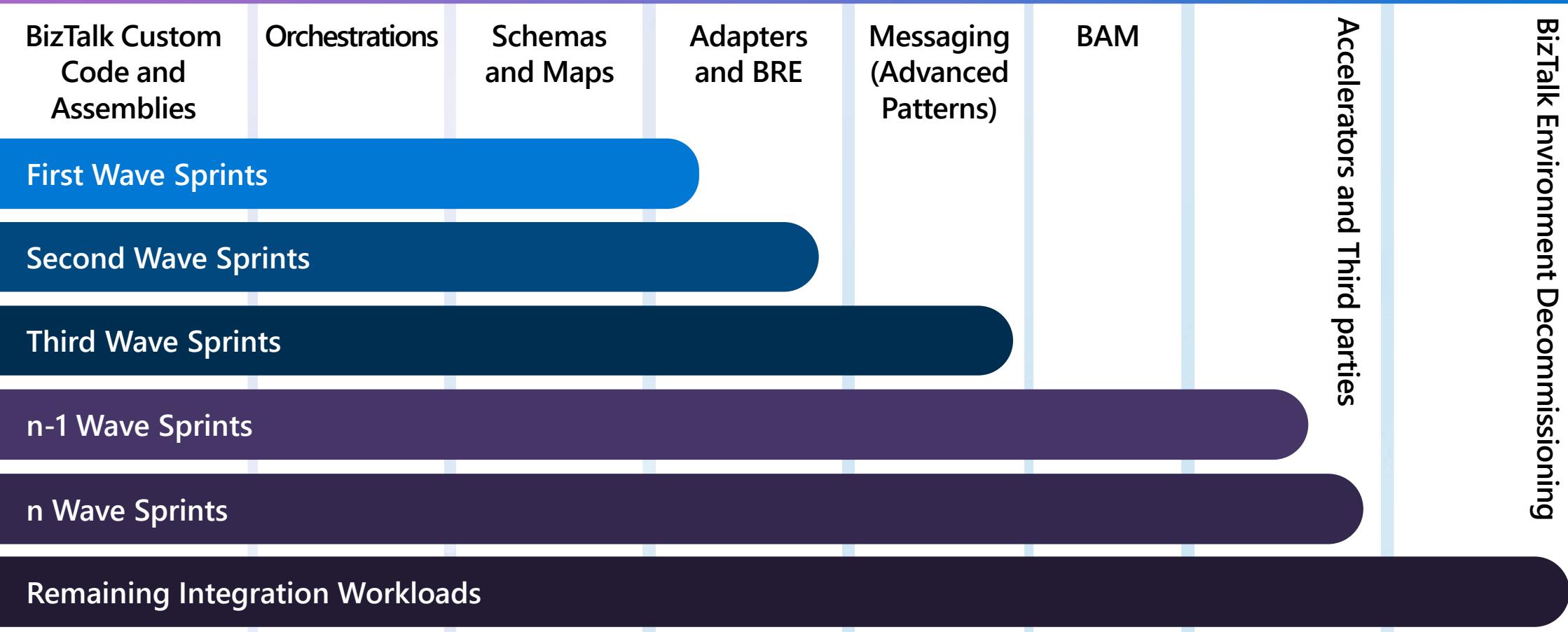
Gradual BizTalk workloads migration

An Agile approach for BizTalk Migration



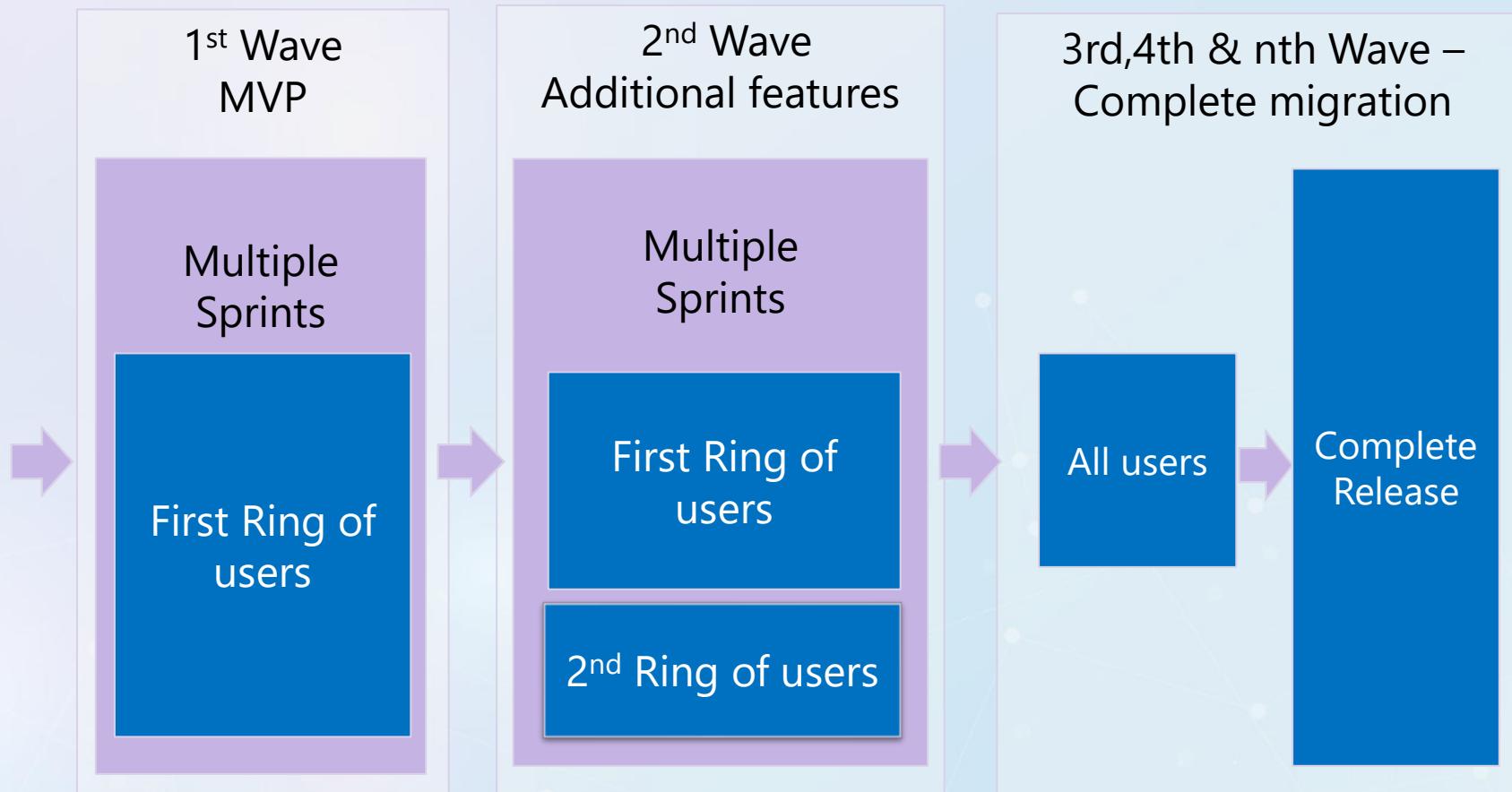
BizTalk Server Migration Waves: What to do first?

During each wave is expected co-existence with the existing BizTalk environment



How to release?

Waves targeted to rings of users

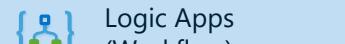
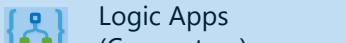
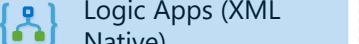
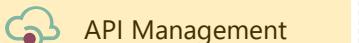
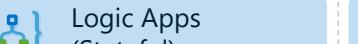
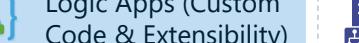
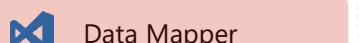
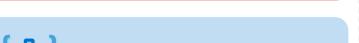
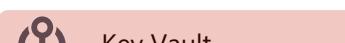
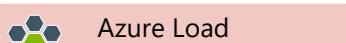
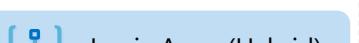
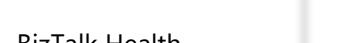
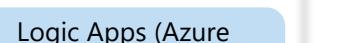


What are we doing in Azure Logic Apps Standard for BizTalk Migration?

- BizTalk Maps Support (Runtime) – [GA](#)
- Data Mapper- [GA](#)
- .NET Framework Custom Code – [GA](#)
- SWIFT MT– [Public Preview](#)
- B2B: AS2, EDIFACT, X12 - [GA](#)
- Business Process Tracking (for BAM) – [GA](#)
- Rules Engine (XML and .netFx facts) – [GA](#)
- Hybrid Deployment Model – [GA](#)
- XML Parse and Compose with XSD – [GA](#)
- RabbitMQ/Kafka Connector - [GA](#)
- NMS/ActiveMQ Connector – [Private Preview](#)
- HL7 – [Public Preview](#)
- Patterns Library (with Templates) – [In Development](#)

BizTalk to Logic Apps Standard



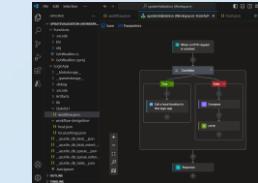
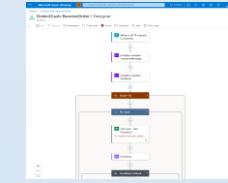
| Orchestrations | EAI | API/XML/SOAP | Durable Messaging | Helper Functions | Configurations |
|---|--|--|--|---|---|
|  BizTalk Orchestration  |  BizTalk Adapters  BizTalk Ports  Flat Files  |  Logic Apps (XML Native)  |  Message Box  |  Custom Code  |      |
|    |    |    |   |   |   |
|   |    |    |   |     | |

Hybrid Deployment Model

Develop and Deploy standard Logic Apps to customer managed infrastructure



- On-premises
- Private Clouds
- Public Clouds



Architecture targets semi-connected scenarios



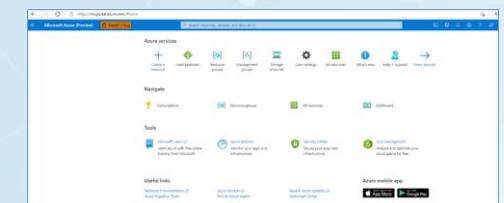
- Local processing
- Local storage
- Local network access



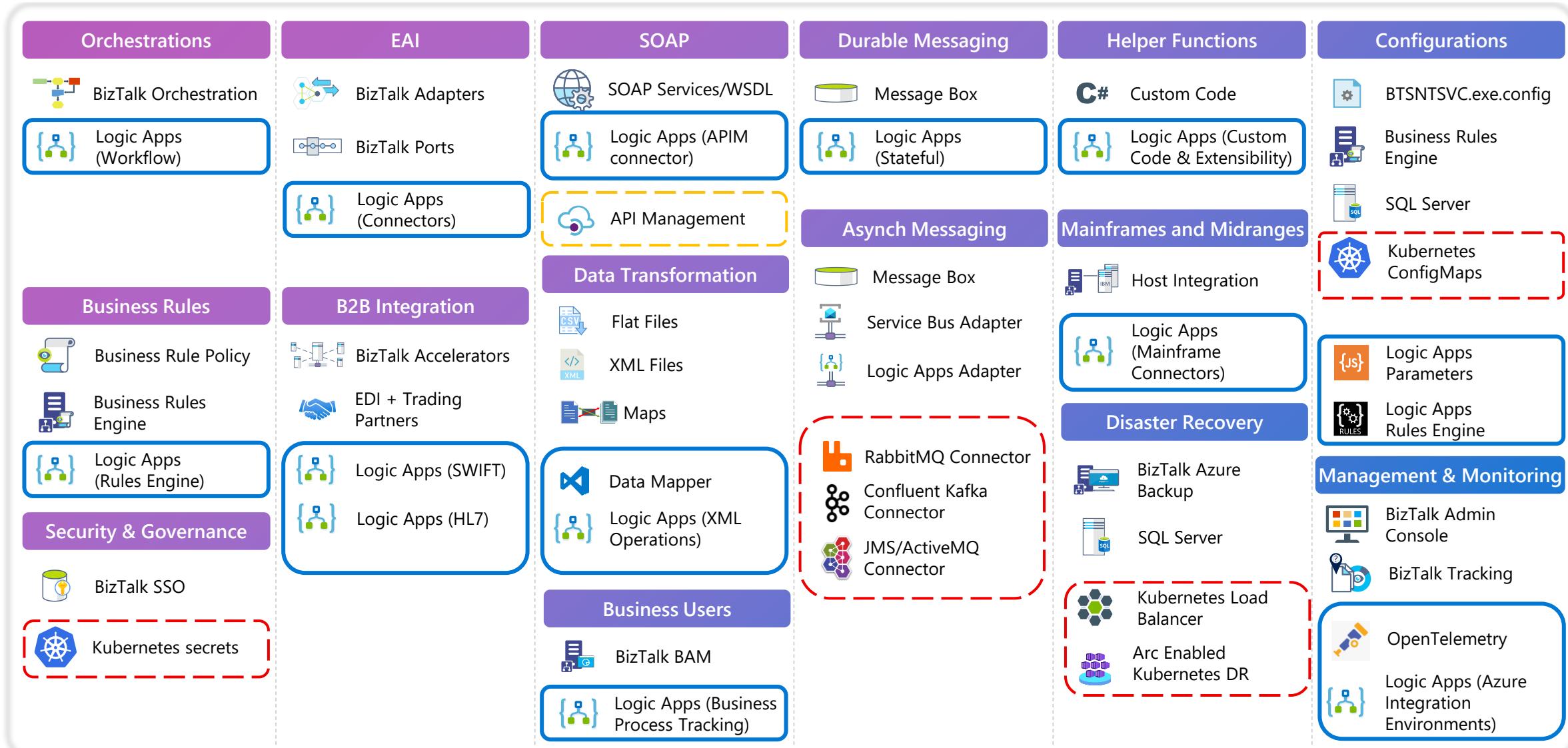
Microsoft-managed and Customer managed Logic Apps from single experience: Azure Portal



- Control plane in Azure accessing data plane through Azure ARC
- Logic Apps deployed into containers within a Connected Environment

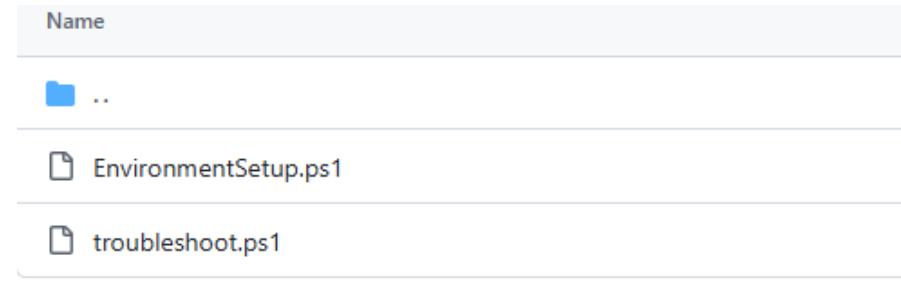


BizTalk to Logic Apps (Hybrid)



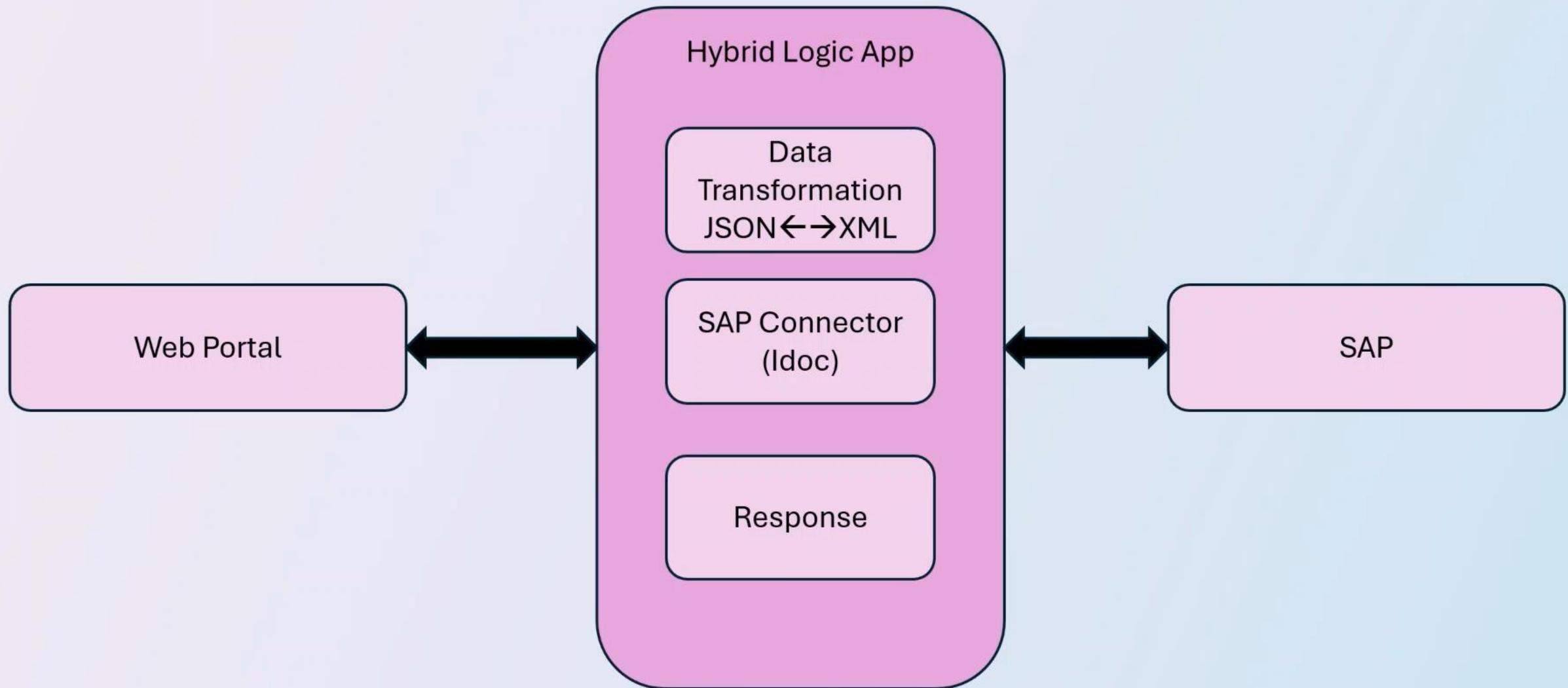
How do I get started with Hybrid?

<https://github.com/Azure/logicapps/tree/master/scripts/hybrid>



- Pre-requisites:
 - Any Arc-enabled Kubernetes cluster. More information here:
https://jumpstart.azure.com/azure_arc_jumpstart/azure_arc_k8s
 - A SQL database to locally store workflow run history, inputs, and outputs for processing
 - A Server Message Block (SMB) file share to locally store artifacts used by your workflows
- Docs, blogs and demos:
 - [Create Standard logic app workflows for hybrid deployment - Azure Logic Apps | Microsoft Learn](#)
 - [Scaling mechanism in hybrid deployment model for Azure Logic Apps Standard | Microsoft Community Hub](#)
 - [Hybrid Logic Apps deployment on Rancher K3s Kubernetes cluster | Microsoft Community Hub](#)
 - [OpenTelemetry in Azure Logic Apps \(Standard and Hybrid\) | Microsoft Community Hub](#)
 - [Hybrid deployment model for Logic Apps- Performance Analysis and Optimization recommendations | Microsoft Community Hub](#)
- Supported regions:
 - Central US, East Asia, East US, North Central US, Southeast Asia, Sweden Central, UK South, West Europe, West US

SAP Use Case: Flight Booking



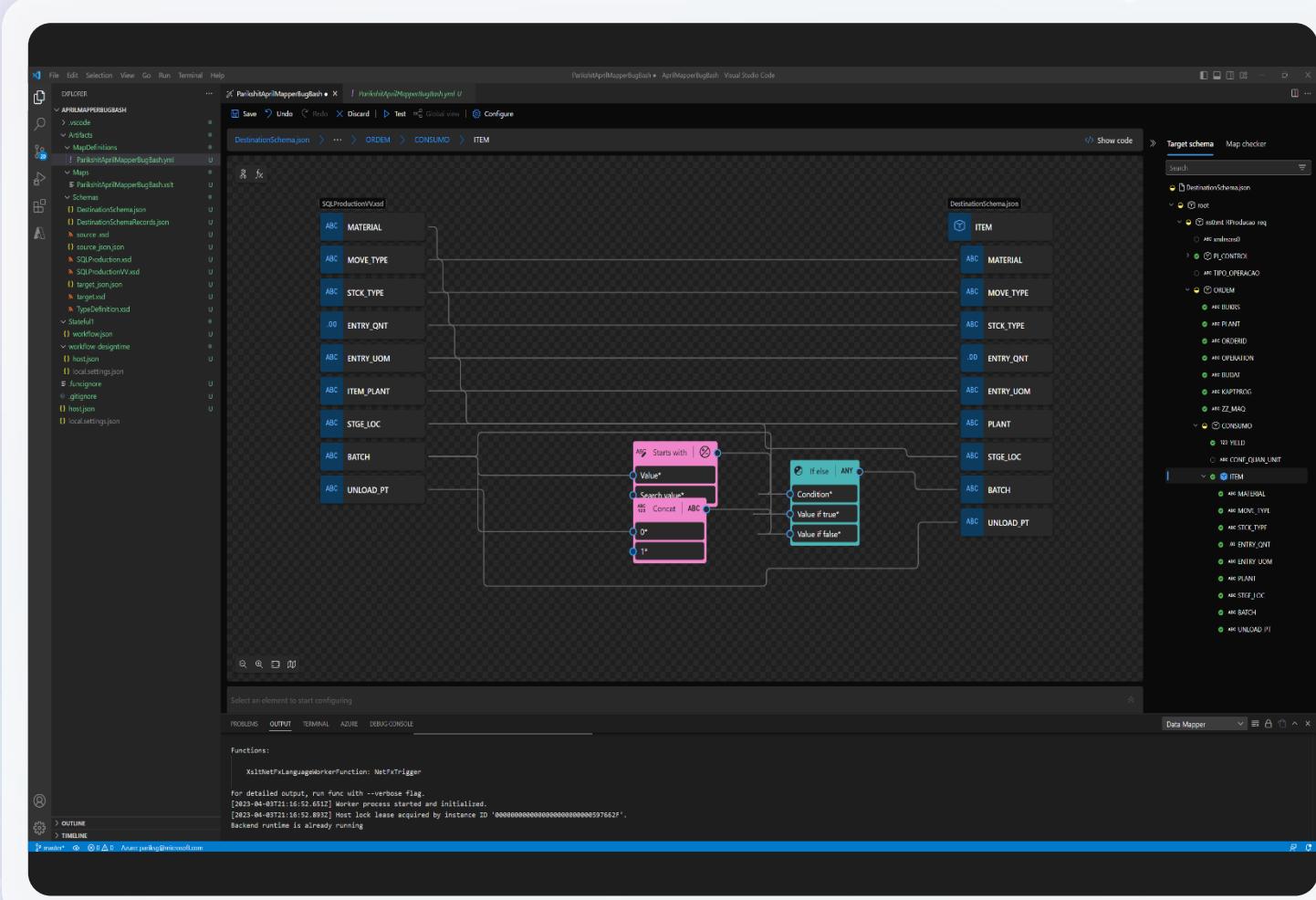
From the BizTalk Editor and Mapper to the Data Mapper

Core Features

- Visual Mapping
- Built-in mapping functions
- Map checker
- Supports XML and JSON formats
- Manual mapping test

New Features from Preview

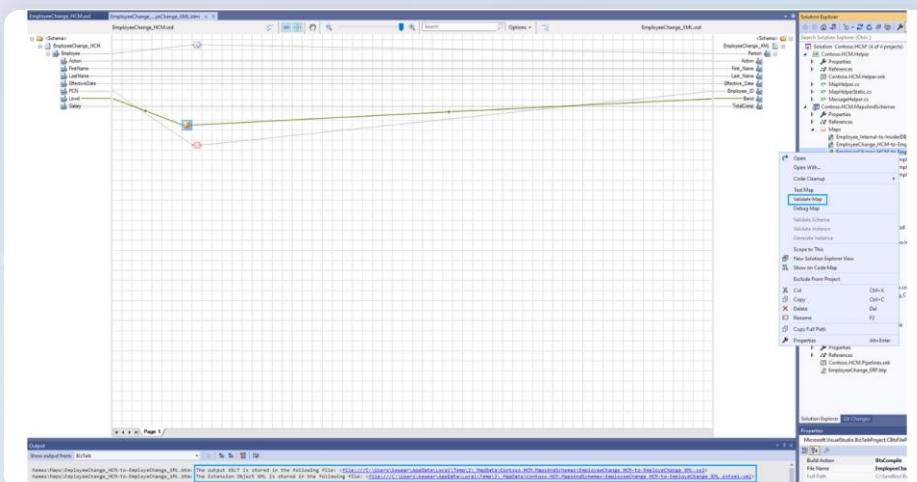
- Test API available
- Movable functions
- Custom Functions
- Filtering, Sorting, Distinct
- Custom XPath
- Inline XSLT



Assemblies on Maps? Extension Object Support

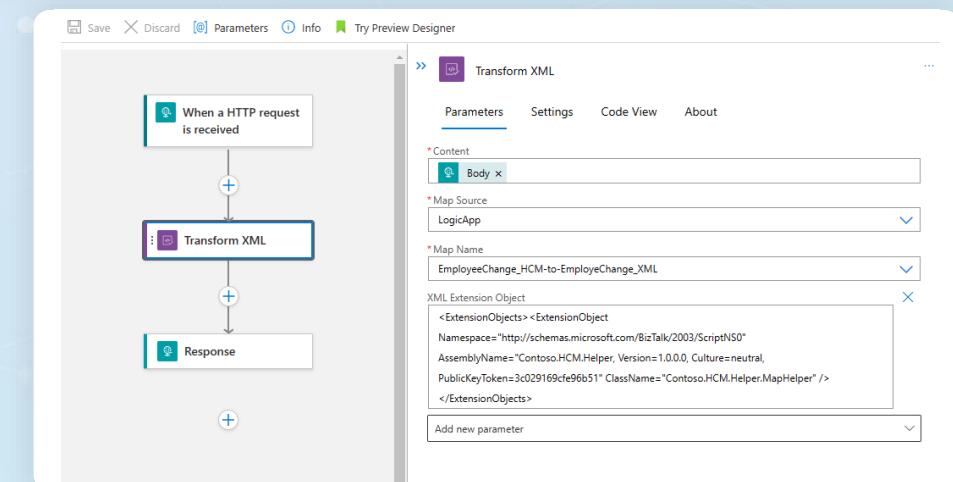
What is Extension Object Support?

- BizTalk uses Extension Object metadata to locate and load dependent .NET Framework Assemblies for map execution.
- This is particularly important when it comes to BizTalk Maps that use the Scripting Functoid and reference assemblies.



What do we offer in Azure Logic Apps?

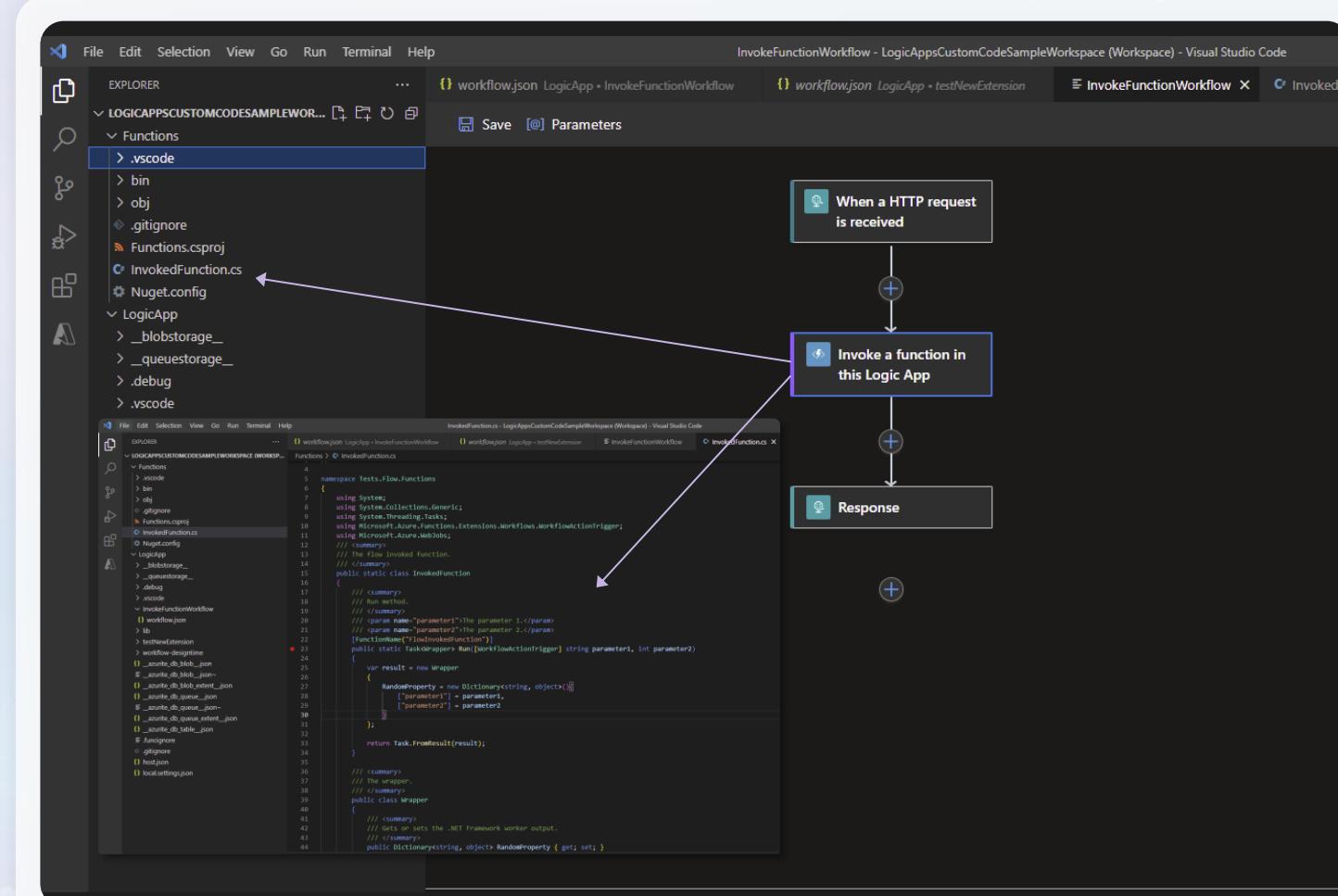
- Providing an Assembly upload support
 - VS Code
 - Portal
- Expose Extension Object parameters on Transform XML action
 - Copy and paste Extension Object meta data



Custom Code in BizTalk? Extensibility – Custom Codes

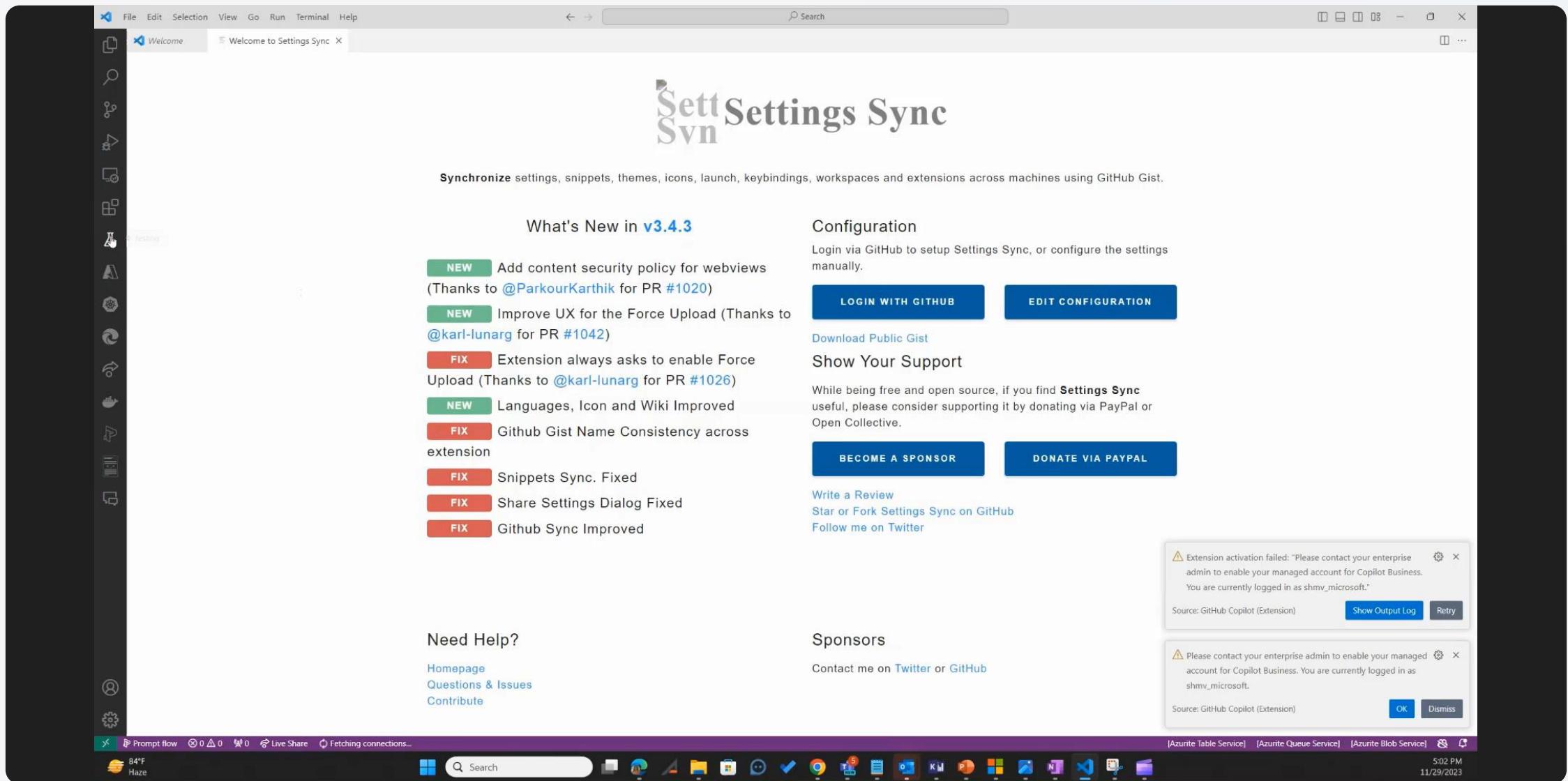
Background:

- October 2023 – We GA'd Custom Code Extensibility for .NET Framework
 - Unlock BizTalk Migration scenarios
 - Appeals to software engineers looking for more control
- Strong adoption, but non-BizTalk customers looking for access to newer versions of .NET
- Introduced Logic Apps Workspace project type
 - Allows for new languages to be ‘plugged-in’ to experience



Investments:

- .NET 8 support – GA



BizTalk Admin Console? Integration Environments

- End to End AIS Monitoring
- Application to group AIS resources as a unit
- Single pane view into the health of your AIS resources in application
 - Logic Apps
 - Service Bus
 - API Management
- Analyze your application workloads, troubleshoot failures, identify anomalies without context switching
- Built on Azure App Insights for telemetry data and Workbooks for visualizations

The image displays three separate screenshots of the Microsoft Azure Application Insights dashboard for the 'customer-service-poweroutage' application. Each screenshot highlights the 'Logic Apps', 'Service Bus', and 'APIM' tabs in the navigation bar.

Top Screenshot (Overview Page):

- TimeRange: Last 7 days
- ApplicationInsights: AppInsights-Integrate2023
- Logic Apps: LogicApp:cpl-marketing
- Metrics shown: Workflow Runs Success Rate (43.8%), Workflow Actions Success Rate (80.8%), Workflow Triggers Success Rate (100%)

Middle Screenshot (Operations Page - APIM):

- TimeRange: Last 7 days
- ApplicationInsights: AppInsights-Integrate2023
- Resource: APIM
- Metrics shown: Timeline, APIs, Operations
- Data table (partial):

| API | Successful Requests↑ | Failed Requests↑ | Unauthorized Requests↑ | Other Requests↑ | Total Requests↑ | AverageDuration↑ |
|--|----------------------|------------------|------------------------|-----------------|-----------------|------------------|
| CPL-APIManagement/apis/work-management-mean-tim... | None | 6 | 0 | 0 | 186 | 192 |
| CPL-APIManagement/apis/work-management-mean-tim... | powerrestore | 18 | 0 | 0 | 0 | 18 |

Bottom Screenshot (Operations Page - Service Bus):

- TimeRange: Last 7 days
- ApplicationInsights: AppInsights-Integrate2023
- Resource: Service Bus
- Metrics shown: Timeline, APIs, Operations
- Data table (partial):

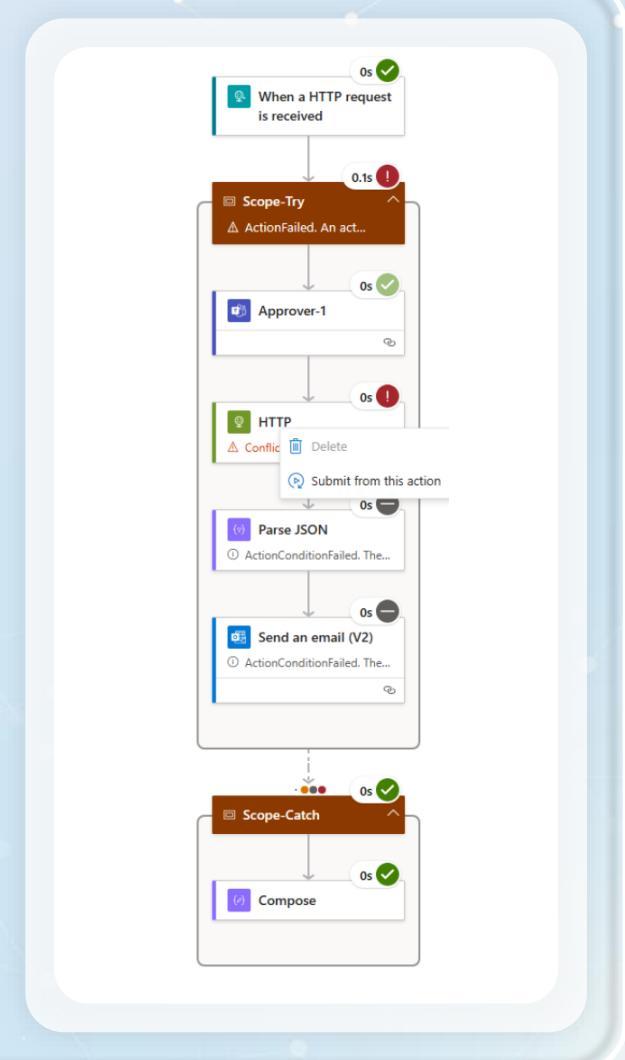
| API | Successful Requests↑ | Failed Requests↑ | Unauthorized Requests↑ | Other Requests↑ | Total Requests↑ | AverageDuration↑ |
|--|----------------------|------------------|------------------------|-----------------|-----------------|------------------|
| CPL-APIManagement/apis/work-management-mean-tim... | None | 6 | 0 | 0 | 186 | 192 |
| CPL-APIManagement/apis/work-management-mean-tim... | powerrestore | 18 | 0 | 0 | 0 | 18 |

Feedback:

<https://aka.ms/unifiedais-preview>

BizTalk resubmit? (re) Submit from actions

- Resubmitting transactions within your iPaaS platform is a standard requirement
 - You may have a downstream system that is down
 - You may have a bug in your workflow
 - You may have a bug in a destination system
- However, there may be some situations when you don't want to resubmit all actions within a workflow, especially if reprocessing can lead to duplicates.
- A new feature, Submit from Action allows you to reprocess a transaction at a particular part of your workflow.
- This gives you more control over how transactions will be re-processed. This feature is currently in Public preview, for Stateful workflows and available in Logic Apps (Standard)



BAM? Business Process Tracking



Product Updates:

- Business Process Tracking is now a top-level Azure Resource
 - RBAC
 - Locks
 - Tags
- Business process stage status
 - Successful
 - Failed
- Enhanced Token Picker support
 - Transaction ID Expressions
 - Variable Support
 - Emit Boolean values at runtime
- Link Business Process to Integration Environment/Application

The screenshot displays the Microsoft Azure Business Process Tracking interface. It shows two main windows: one for 'Transactions' and one for 'Transaction details'.

Transactions Window:

| Ticket Number | Stages succeeded | Stages failed | Transaction started |
|---------------|------------------|---------------|-----------------------|
| CASE-1173 | 9 | 1 | 6/6/2024, 10:10:47 PM |
| CASE-1172 | 10 | 0 | 6/6/2024, 10:08:28 PM |

Transaction Details Window:

The transaction details window shows a process flow diagram for a ticket lifecycle:

```

graph TD
    A[Ticket-Created] --> B[Work-Order-Created]
    B --> C[Work-Order-Dispatched]
    C --> D[Work-Order-Onsite]
    D --> E[Work-Order-Complete]
    E --> F[CRM-Ticket-Closed]
    E --> G[Inventory-Update]
    F --> H[Customer-Communication]
    G --> I[Safety-Check]
    I --> J[Publish-To-LLM]
    
```

Each step in the process is accompanied by a green circle with a checkmark and a duration indicator (e.g., <1s, 1s, 2s, 3s, 10s, 1m).

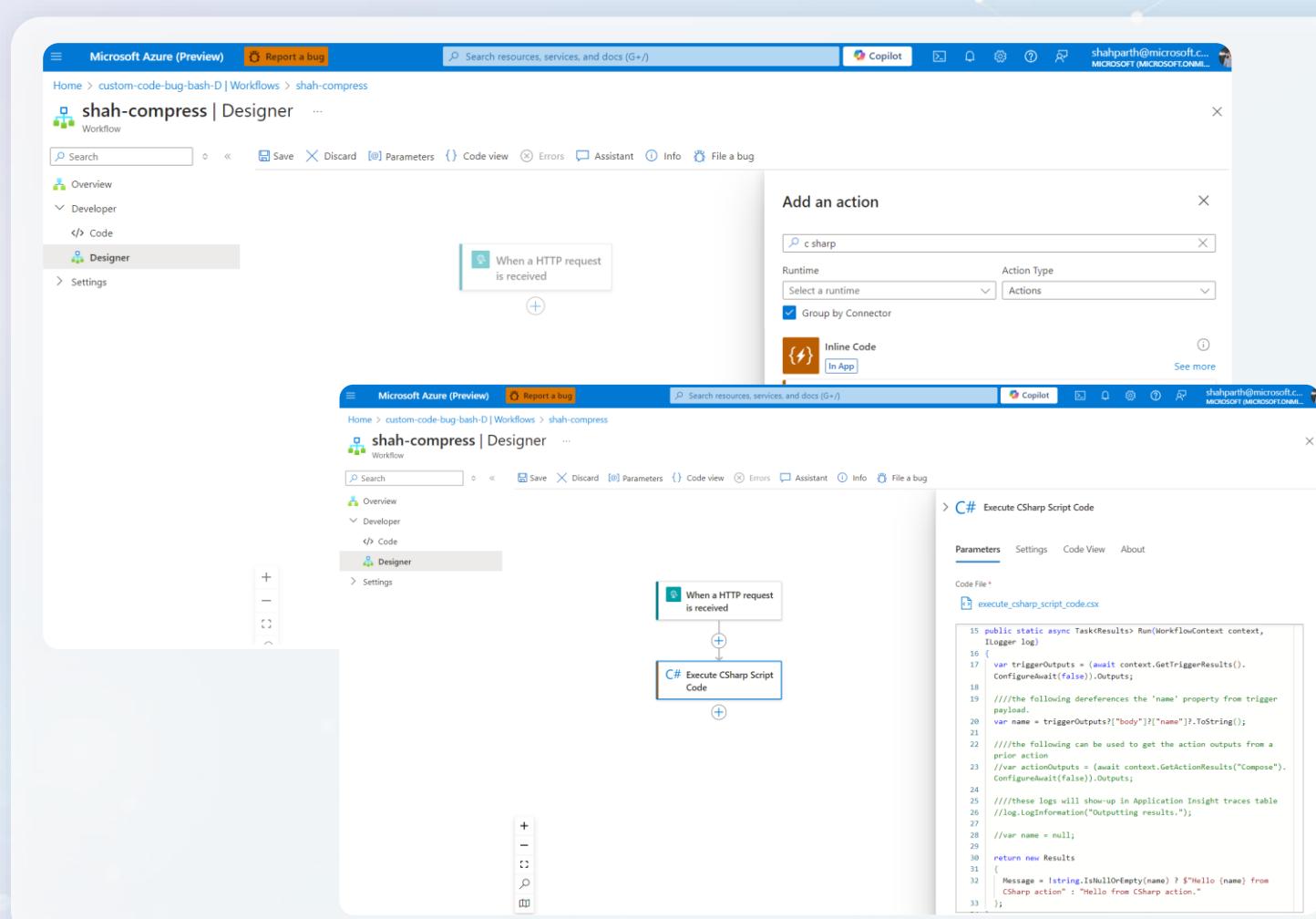
Custom Code Extensibility – C# & PowerShell Scripting

Extending Inline Code Support

- Support for inline scripting, directly from the portal for Logic Apps (Standard)
 - C#
 - PowerShell
 - Available as an In-App action
- Dynamic Content Support
- Import assembly/modules for reusability

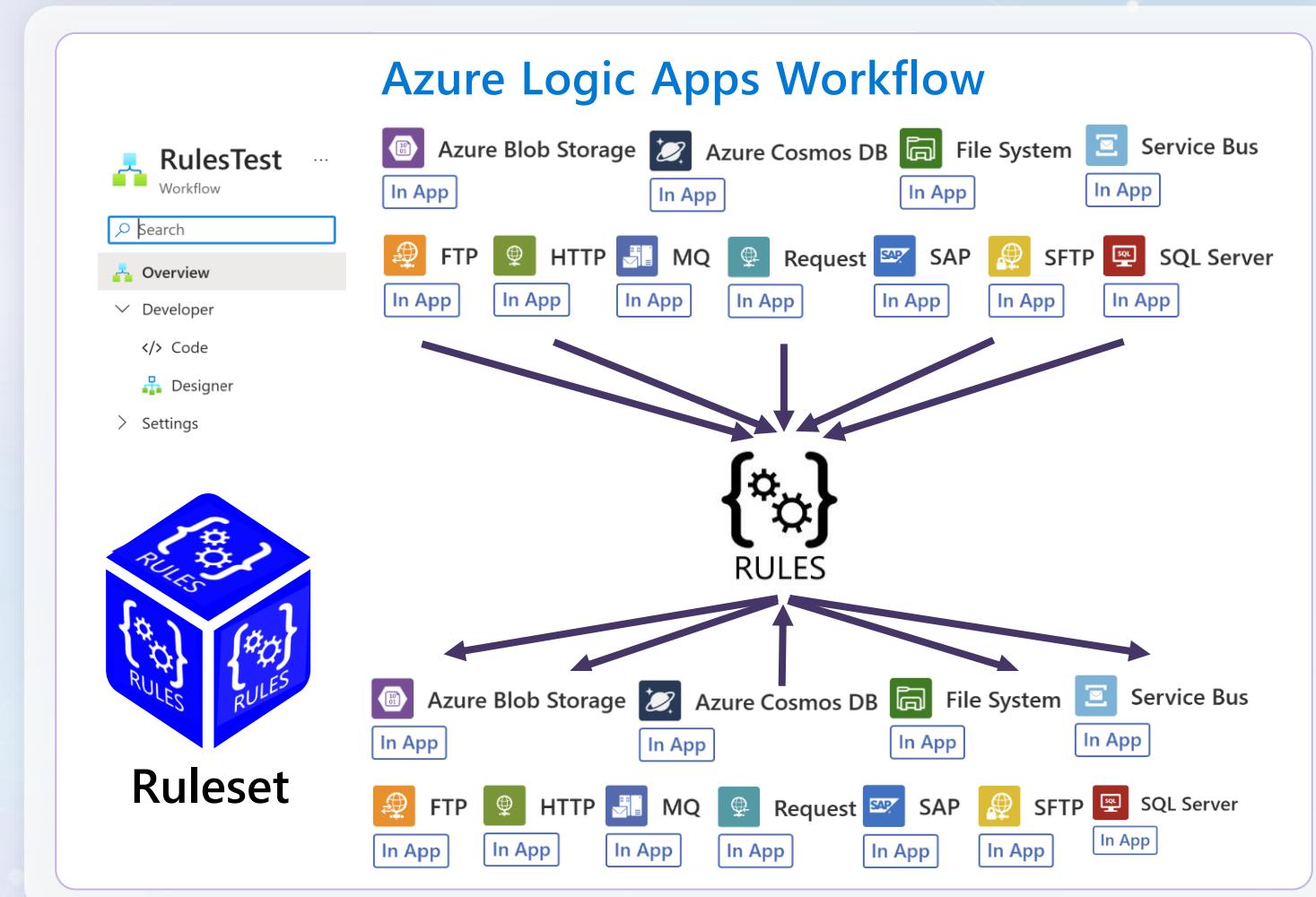
Audience

- Customers looking for extensibility with lighter dependencies and smaller footprint
- Customers that start or prefer development in the portal

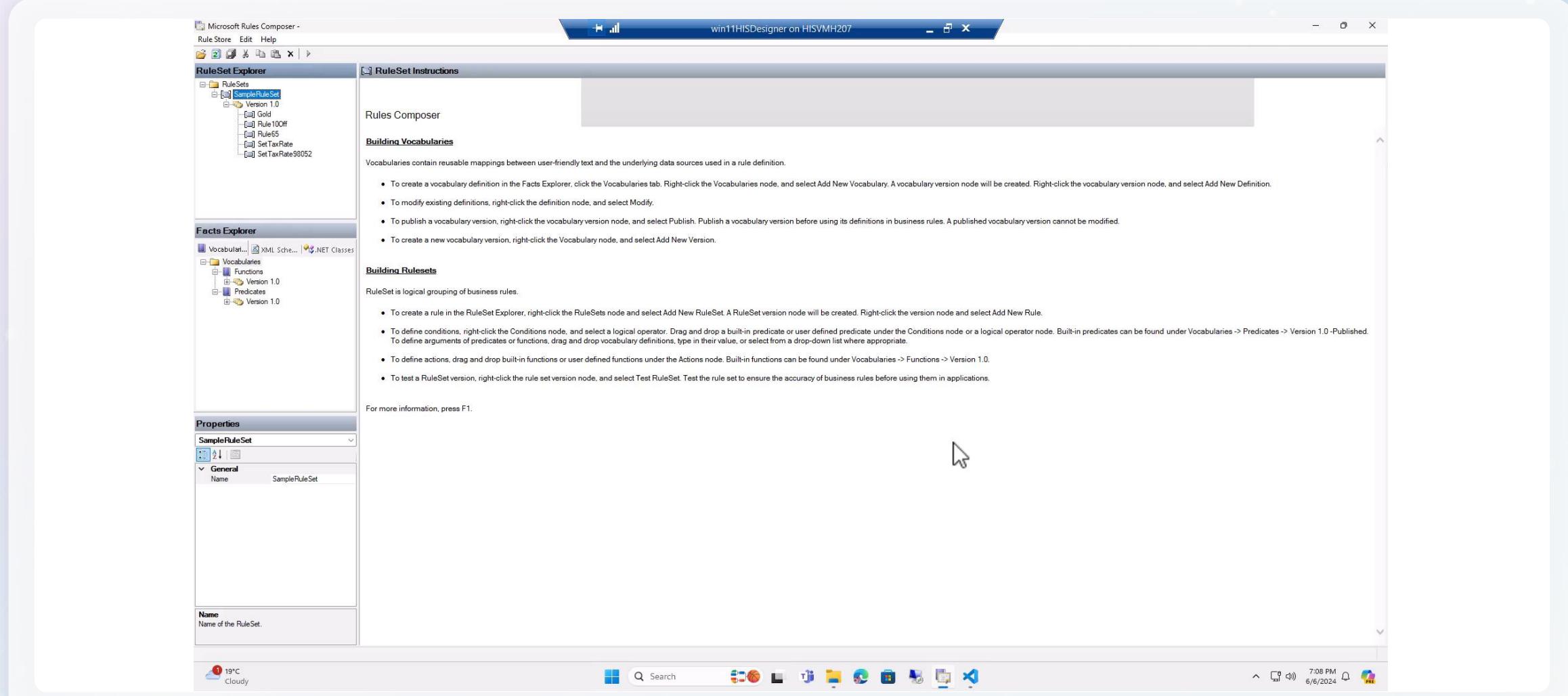


Use BizTalk BRE? We have the Logic Apps Rules Engine

- Enable customers migrating from BizTalk to Logic Apps.
 - Customers can export existing BizTalk business rules and use them in Logic Apps.
 - RETE Engine maintained in the Runtime. This means all the existing runtime features for current BizTalk customers.
- Available in Logic Apps (Standard)
 - Reads from XML Rulesets stored in Artifacts folder.
 - Leverages **Custom code (.NET Fx)** feature.
 - Called in from built-in code action
- Uses standalone Rules Composer based on the BizTalk Rules Composer. Supports **XML** and **.NET** facts.
- Feedback:
 <https://aka.ms/larulesfeedback>



Rules Engine





Azure Logic Apps SWIFT support

SWIFT – Global financial messaging network to send and receive financial transactions



The Logic Apps SWIFT connector offers,

- Built-in connector – Runs in your compute
- Secure – VNET support
- Message support for all categories of MT (ISO 15022) as flat file and XML
- Decode and Encode operations
- Out of box schemas for message validation based on SWIFT SRG (Standard Release Guidelines)
- Supports BIC validation

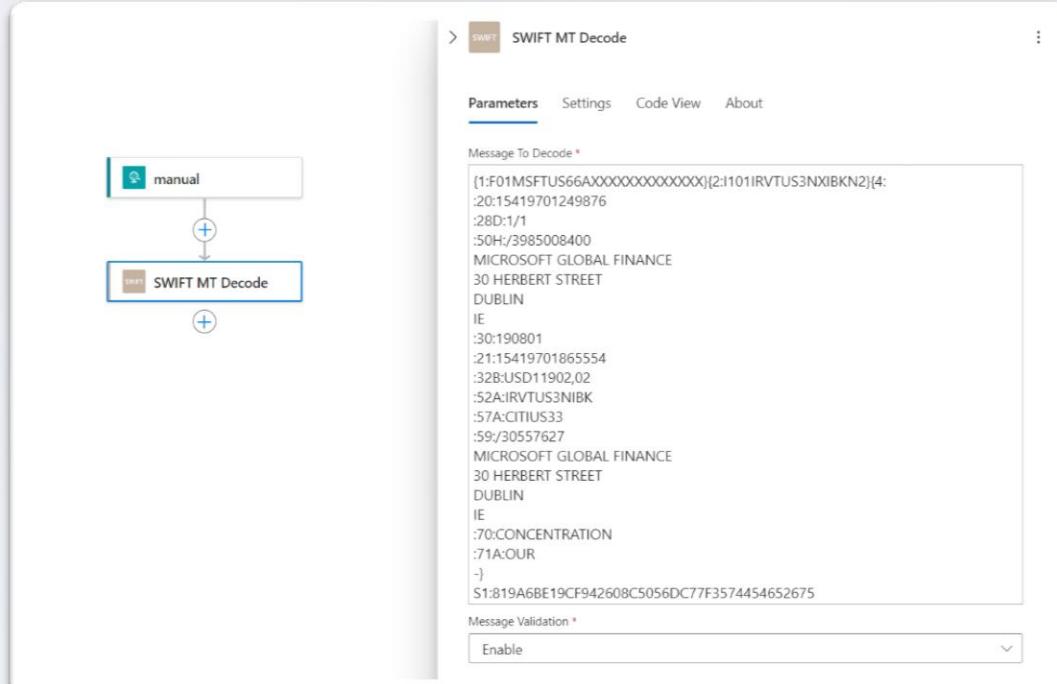
A screenshot of the Azure Logic Apps interface showing the SWIFT connector. At the top, there's a brown button labeled "SWIFT". Below it, two actions are listed: "SWIFT MT Encode" and "SWIFT MT Decode", each with "Preview", "In App", and "i" buttons. The background features a light blue gradient with a faint network of dots and lines.

Learn more : <https://aka.ms/laswift>

Process MT 101 (Request for Transfer) using SWIFT connector



SWIFT MT Decode to process an MT flat file

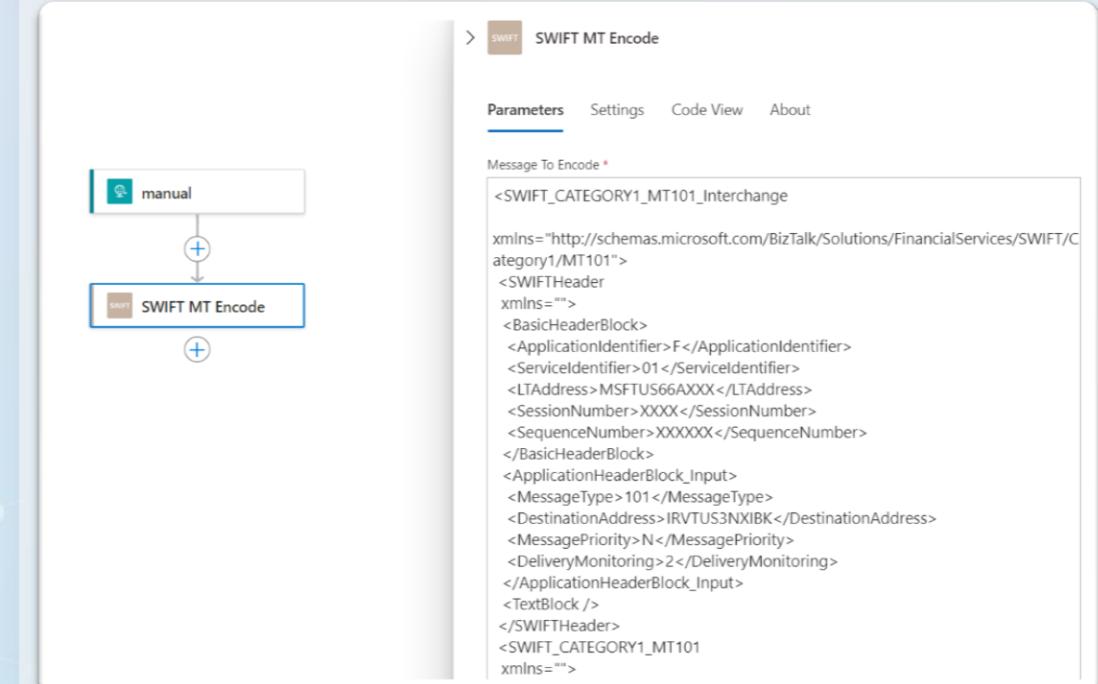


The screenshot shows the "SWIFT MT Decode" configuration page. At the top, there are tabs for Parameters, Settings, Code View, and About. The main area displays a message structure for decoding:

```
[1:01MSFTUS66AXXXXXXXXXXXXXX][2:101IRVTUS3NXIBKN2][4:  
:20:15419701249876  
:28D:1/1  
:50H:/3985008400  
MICROSOFT GLOBAL FINANCE  
30 HERBERT STREET  
DUBLIN  
IE  
:30:190801  
:21:15419701865554  
:32B:USD11902,02  
:52A:IRVTUS3NIBK  
:57A:CITIUS33  
:59:/30557627  
MICROSOFT GLOBAL FINANCE  
30 HERBERT STREET  
DUBLIN  
IE  
:70:CONCENTRATION  
:71A:OUR  
-}  
$1:819A6BE19CF942608C5056DC77F3574454652675
```

Below the message structure, there is a "Message Validation" section with a dropdown menu set to "Enable".

SWIFT MT Encode to process an MT XML file



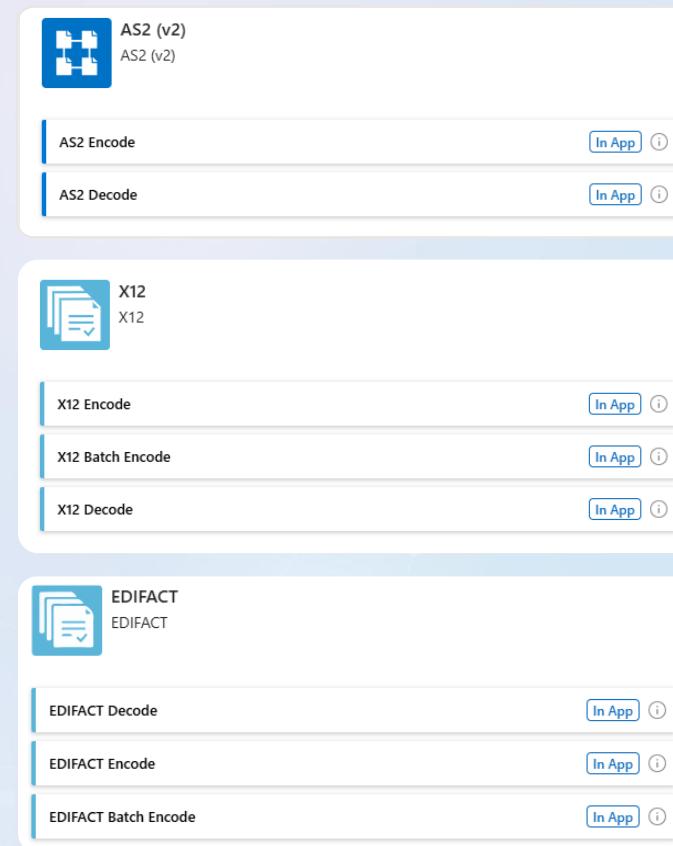
The screenshot shows the "SWIFT MT Encode" configuration page. At the top, there are tabs for Parameters, Settings, Code View, and About. The main area displays a message structure for encoding:

```
<SWIFT_CATEGORY1_MT101_Interchange  
xmlns="http://schemas.microsoft.com/BizTalk/Solutions/FinancialServices/SWIFT/C  
ategory1/MT101">  
<SWIFTHeader  
xmlns="">  
<BasicHeaderBlock>  
<ApplicationIdentifier>F</ApplicationIdentifier>  
<ServiceIdentifier>01</ServiceIdentifier>  
<LTAddress>MSFTUS66AXXX</LTAddress>  
<SessionNumber>XXXX</SessionNumber>  
<SequenceNumber>XXXXXX</SequenceNumber>  
</BasicHeaderBlock>  
<ApplicationHeaderBlock_Input>  
<MessageType>101</MessageType>  
<DestinationAddress>IRVTUS3NXIBK</DestinationAddress>  
<MessagePriority>N</MessagePriority>  
<DeliveryMonitoring>2</DeliveryMonitoring>  
</ApplicationHeaderBlock_Input>  
<TextBlock />  
</SWIFTHeader>  
<SWIFT_CATEGORY1_MT101  
xmlns="">
```

Logic Apps Standard B2B and EDI support

Built-in EDI capabilities

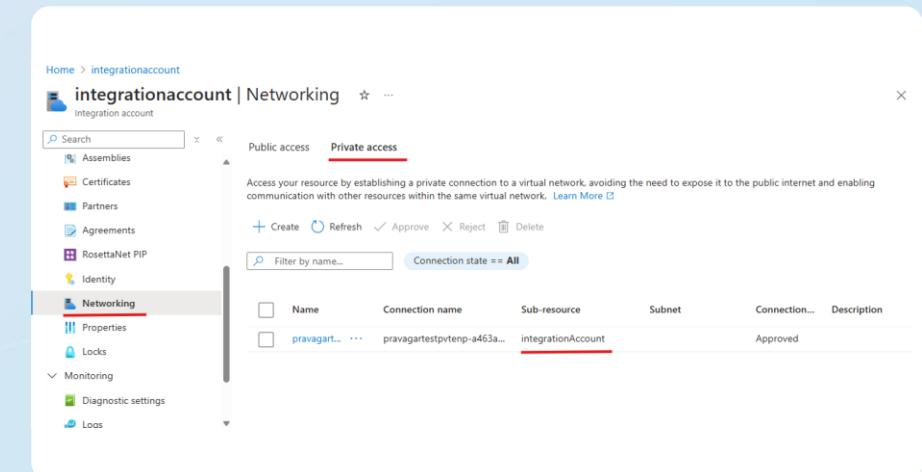
- 📢 AS2, X12, EDIFACT are now Generally Available !!
- Send or Receive EDI messages as single or in batch
- Runs on your compute and in VNET (optional)
- Built-in > more throughput and larger payloads



Generally Available

Integration Account Premium

- Availability Zone (AZ) enabled
- No limits on the artifacts
- VNET support (coming soon)



GA

SOAP Services? API Management, APIM connector and Custom connector experience

While Logic Apps has the Custom connector that supports SOAP – Advanced scenarios can be obtained working with APIM

- Azure Logic Apps has a built-in WSDL import feature that simplifies the process of connecting to SOAP services by generating a custom connector.
- While this is convenient for simple SOAP services, exist limitations when dealing with complex services or when customers need greater control.
- API Management provides more options for customization, policies and allows more complex structures.
- Azure Logic Apps also provides a built-in connector for API Management.

The screenshot displays two main sections of the Azure portal:

API Management services: A list view showing one record named "apim-hello-world". The "Name" column contains a link to the connector details, which is highlighted with a red box. The record also shows "Status: Online", "Tier: Developer", "Platform: stv2", "Type: API Management service", "Location: Central US", "Resource group: apim-hello-world-reso...", and "Subscription: A Subscription".

Create Logic Apps Custom Connector: A form for creating a new custom connector. The "Basics" tab is selected, showing the following details:

- Subscription: Contoso Azure Subscription #1
- Resource group: logic-apps-custom-connectors
- Custom connector name: SentimentDemo
- Location: (US) West US

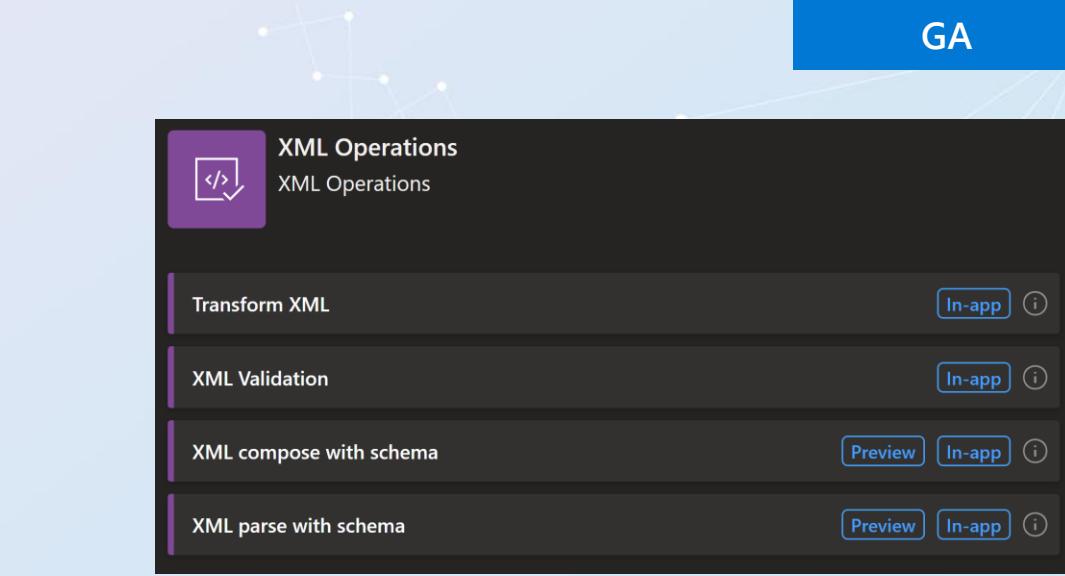
A "Create" button is at the bottom left, and a "Download a template for automation" link is at the bottom right.

Add an action: A panel showing actions for the connector. It includes:

- API: A dropdown for selecting a runtime, currently set to "Select a runtime".
- Action type: A dropdown for selecting an action type, currently set to "Actions".
- Group by Connector: A checked checkbox.
- API Management operations: A section with an "In-app" button and a "See more" link.
- Call an Azure API Management API: A section with an "In-app" button and a "See more" link.

New XML actions for Logic Apps

- We are adding actions to **parse** and **compose** XML documents, such that user may interact with the token picker at design time.
- The tokens are generated from the XML schema provided by the customer.
- **We are making of XML a First Class Citizen for Azure Logic Apps!**



A screenshot of the Logic App designer showing the configuration page for the "XML parse with schema" action. The page has tabs for Parameters, Settings, Code View, and About. The Parameters tab is selected, showing fields for Content (with a dropdown pointing to "XML compose with schema") and Source (set to "LogicApp"). The Name field is set to "SampleSchema". Below the parameters, there are sections for "JSON Schema For Element Root Customers" and "JSON Schema For Element Root Orders", each with an "Add new item" button. At the bottom, there is an "Advanced parameters" section with a "Showing 0 of 13" message and buttons for "Show all" and "Clear all".



Microsoft Azure (Preview)



Search resources, services, and docs (G+)



Home > xmldevtests | Workflows >

demoxml ...

Search

Run Refresh Disable Delete Feedback

Overview

Developer

</> Code

Designer

Settings

Access Keys

^ Essentials

| | |
|-----------------------------|-------------------------|
| Logic App | Trigger Type |
| xmldevtests | -- |
| Status | Application Insights |
| Enabled | |
| State type | Health Status |
| Stateful | Healthy |
| Workflow URL | Runtime Version |
| -- | 1.91.14 |

Get started Run History Trigger history

Resubmit

Cancel Run

Add

Specify the run identifier to open monitor view directly



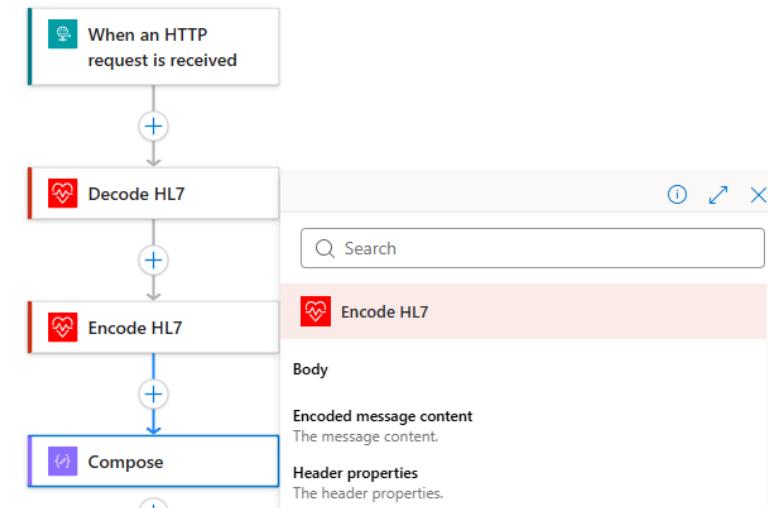
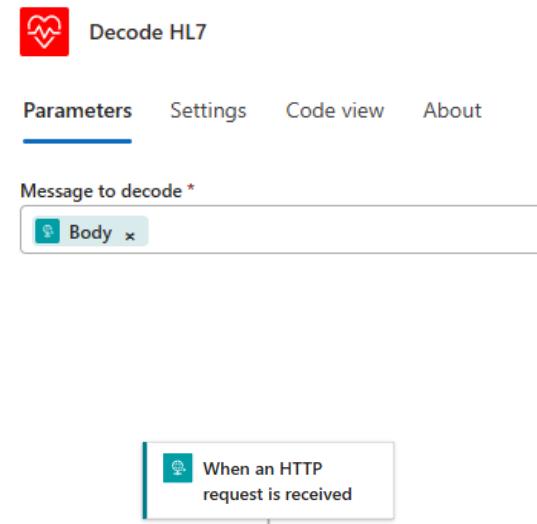
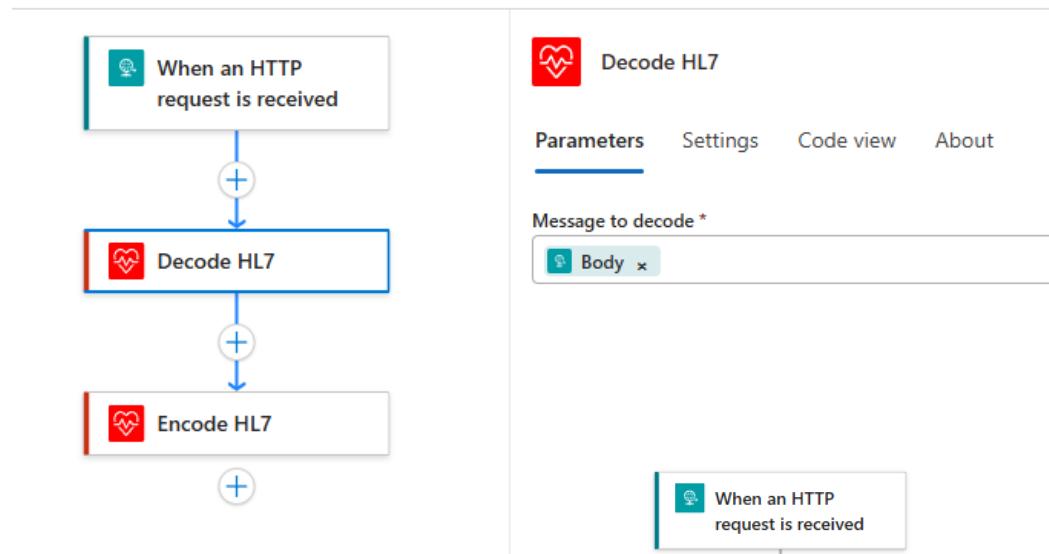
| Identifier | Status | Start time (Local Time) | Duration |
|------------|--------|-------------------------|----------|
|------------|--------|-------------------------|----------|

Showing 0 runs

11:31 PM
2024-10-16

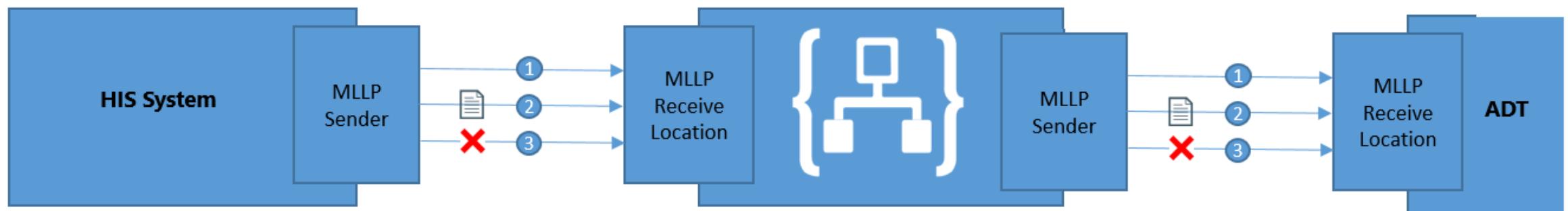
New HL7 connector: Encode and Decode actions

Use HL7 Decode to convert flat files to XML and use HL7 Encode to convert XML back to flat file.



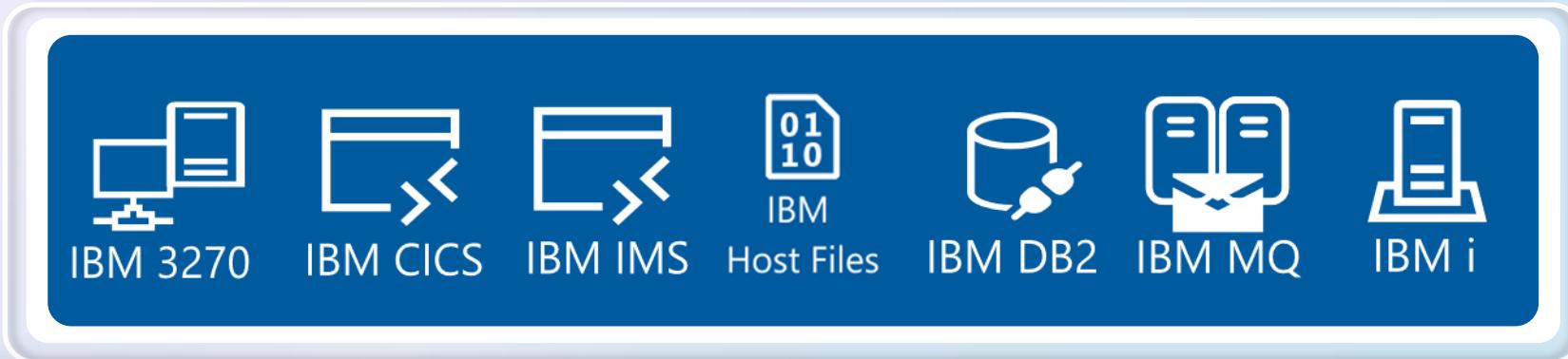
Introducing the MLLP connector in Private preview!

- We are introducing support for the Minimum Lower Layer Protocol (MLLP) .
- MLLP is a simple framing protocol used to transport HL7 v2.x messages over TCP.
- MLLP needs Custom TCP/IP Ports to be opened for the server. MLLP is a raw TCP protocol, not HTTP-based. It requires a dedicated TCP listener on a configurable port.
- MLLP has a trigger and an action and are **only available in Logic Apps Hybrid**.
- We are also introducing an HL7 connector, available in Logic Apps Hybrid and Standard.

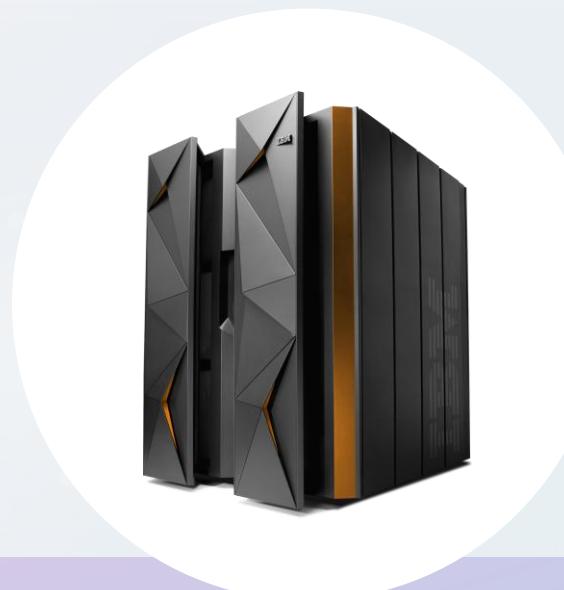
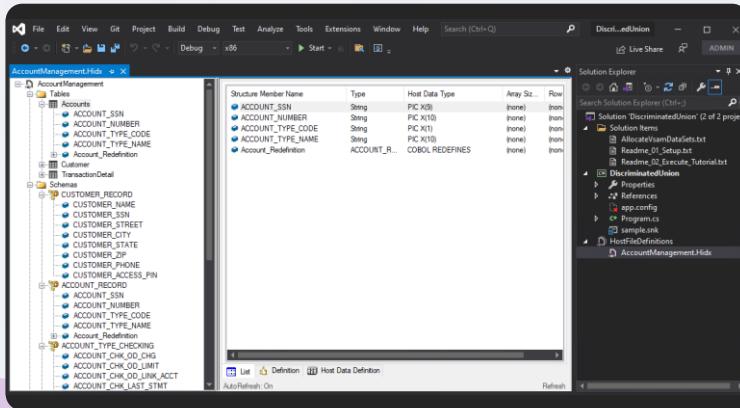


Mainframes and Midranges Logic Apps connectors

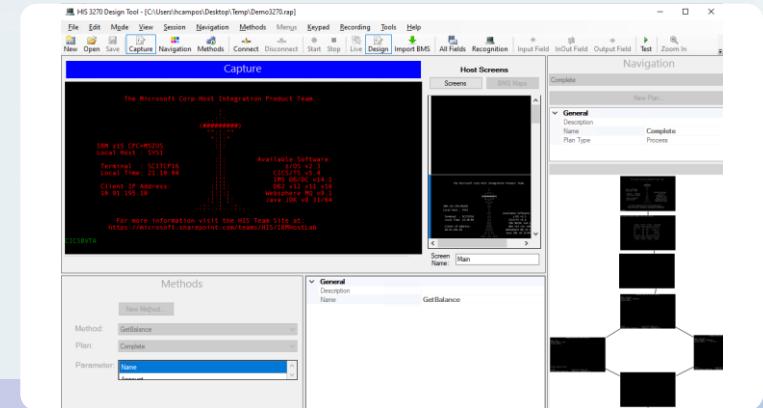
Connect directly to your Legacy from Azure!



Microsoft HIS Designer
for Logic Apps



Microsoft 3270
Design Tool

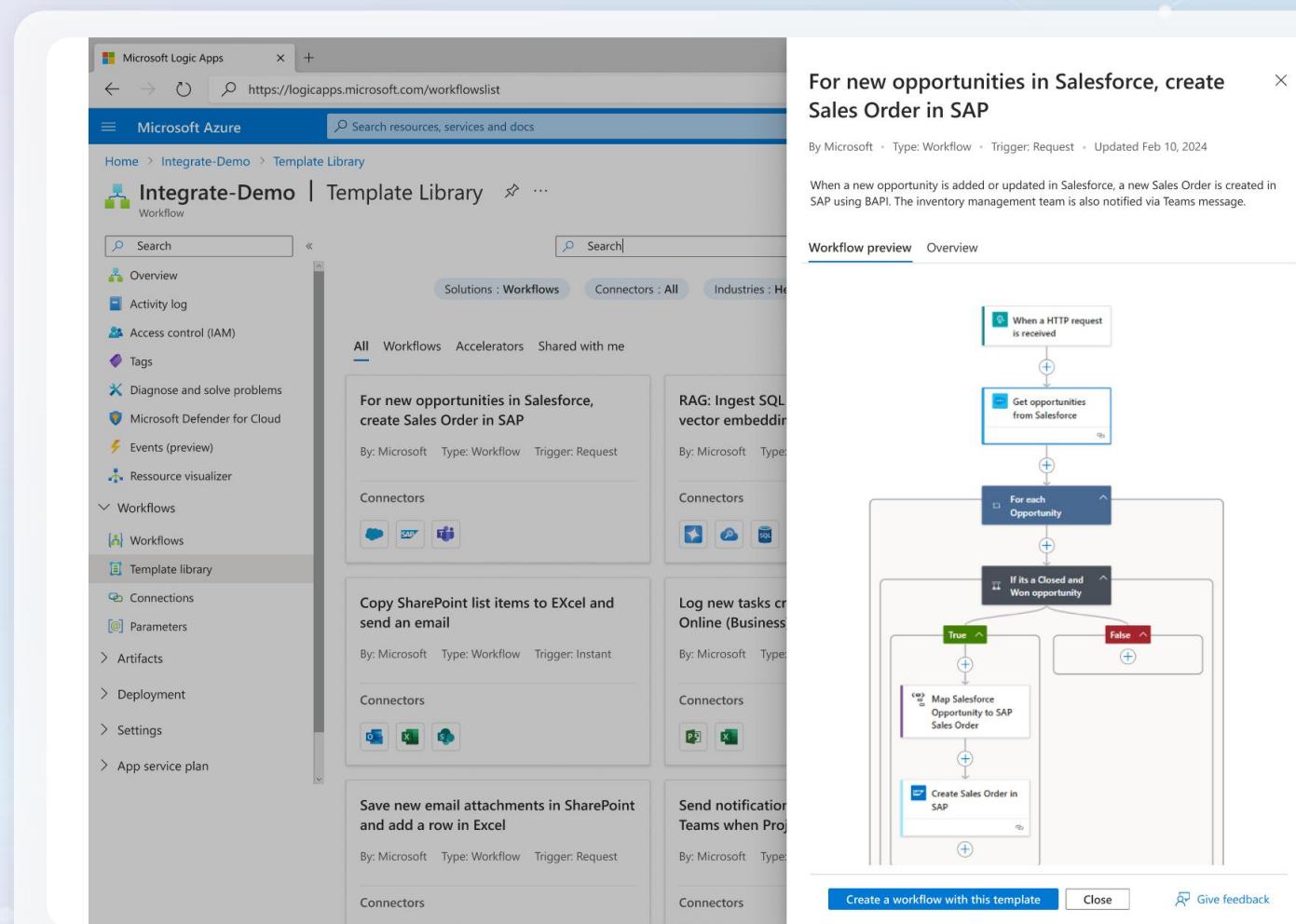


Templates for Logic Apps Standard

- Customers are looking for 'accelerators' to reduce time to market and encourage reusability
- Pre-defined workflows for integration scenarios across industry domains
 - Data transformation support via maps
- Standardize development with best practices and patterns
 - Exception handling, design patterns like sequential convoy, AI patterns like RAG ingestion
- **Learn more + feedback :**
<https://aka.ms/logicapps/templates>

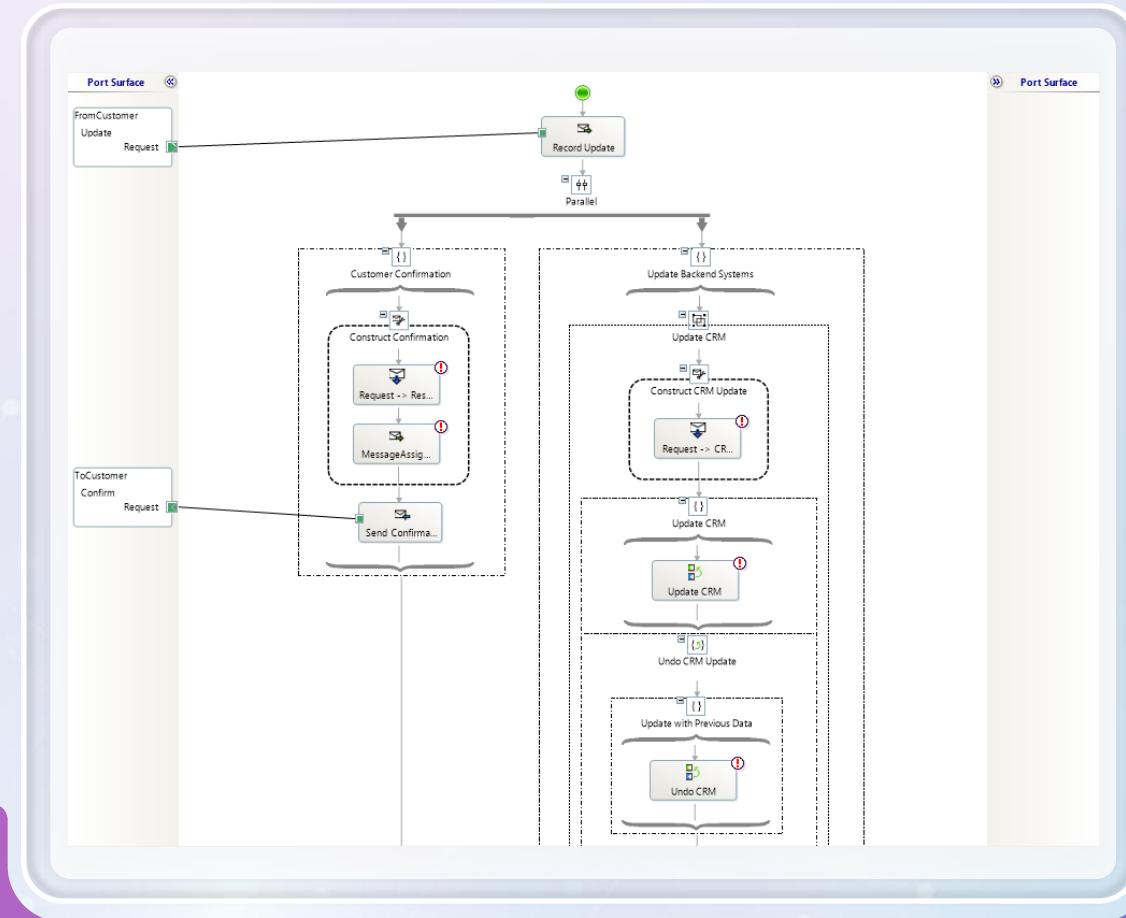
Roadmap:

- Customer generated templates scoped to their subscription
- Multi-workflow templates
 - Pre-packaged integration accelerators
 - Advanced usage scenarios
- BizTalk, Industry, LOB, B2B, Generative AI, design patterns
 - MLLP and HL7 connector investments being made to address Healthcare scenarios

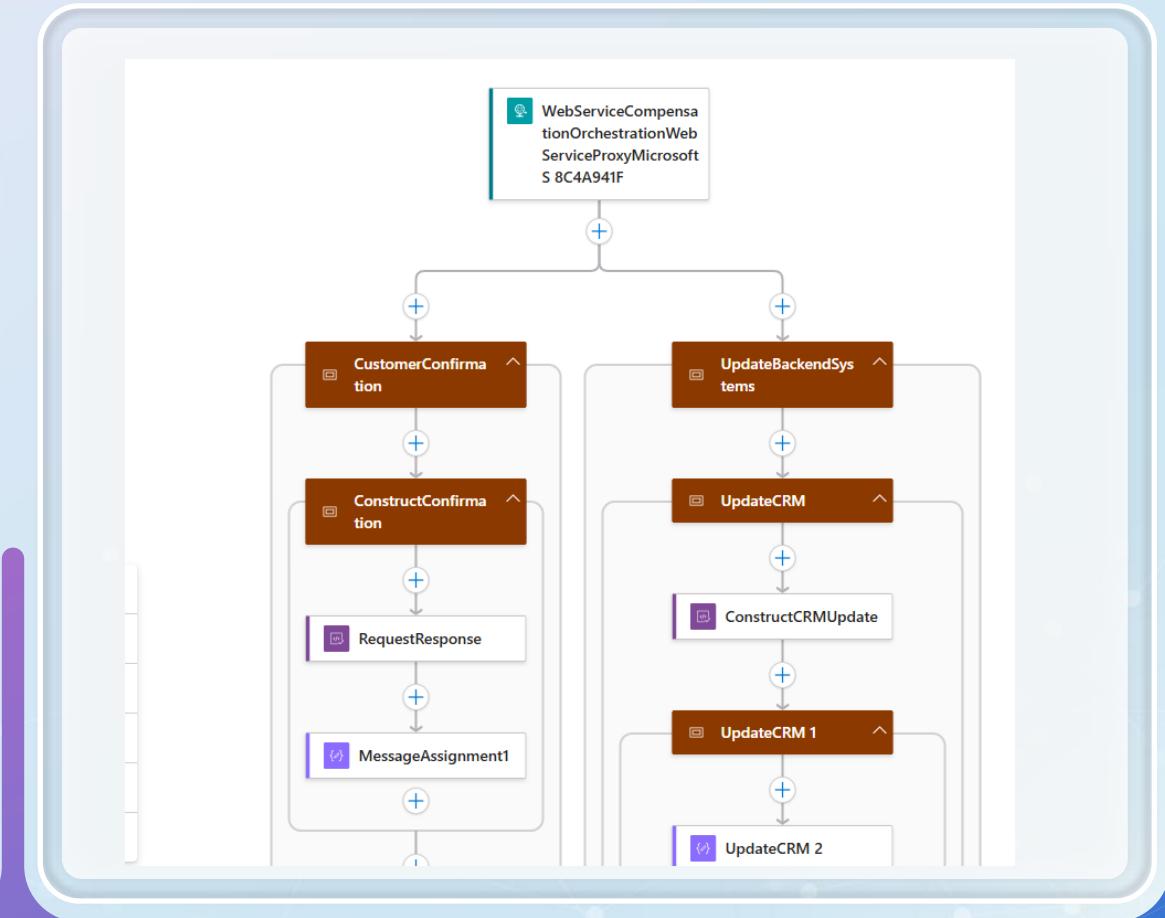


Migration Tools

BizTalk Orchestrations



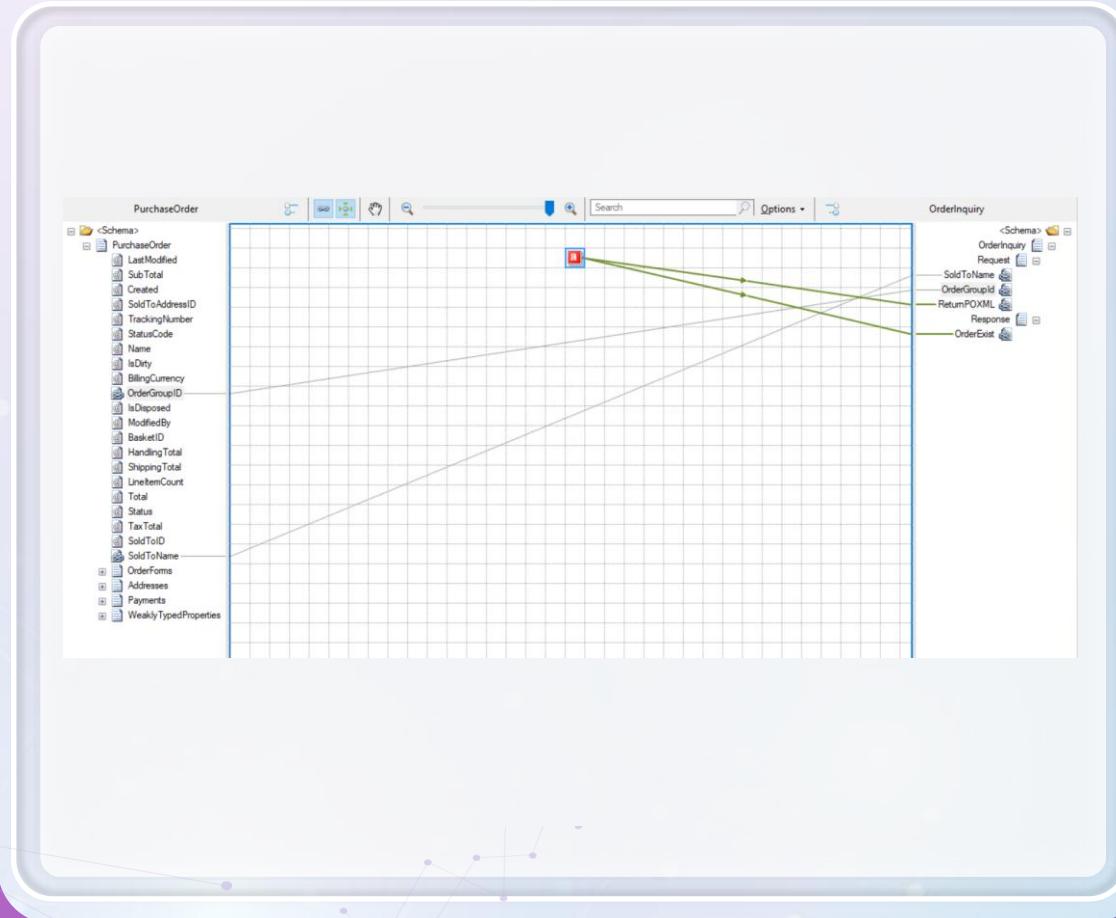
From Orchestration



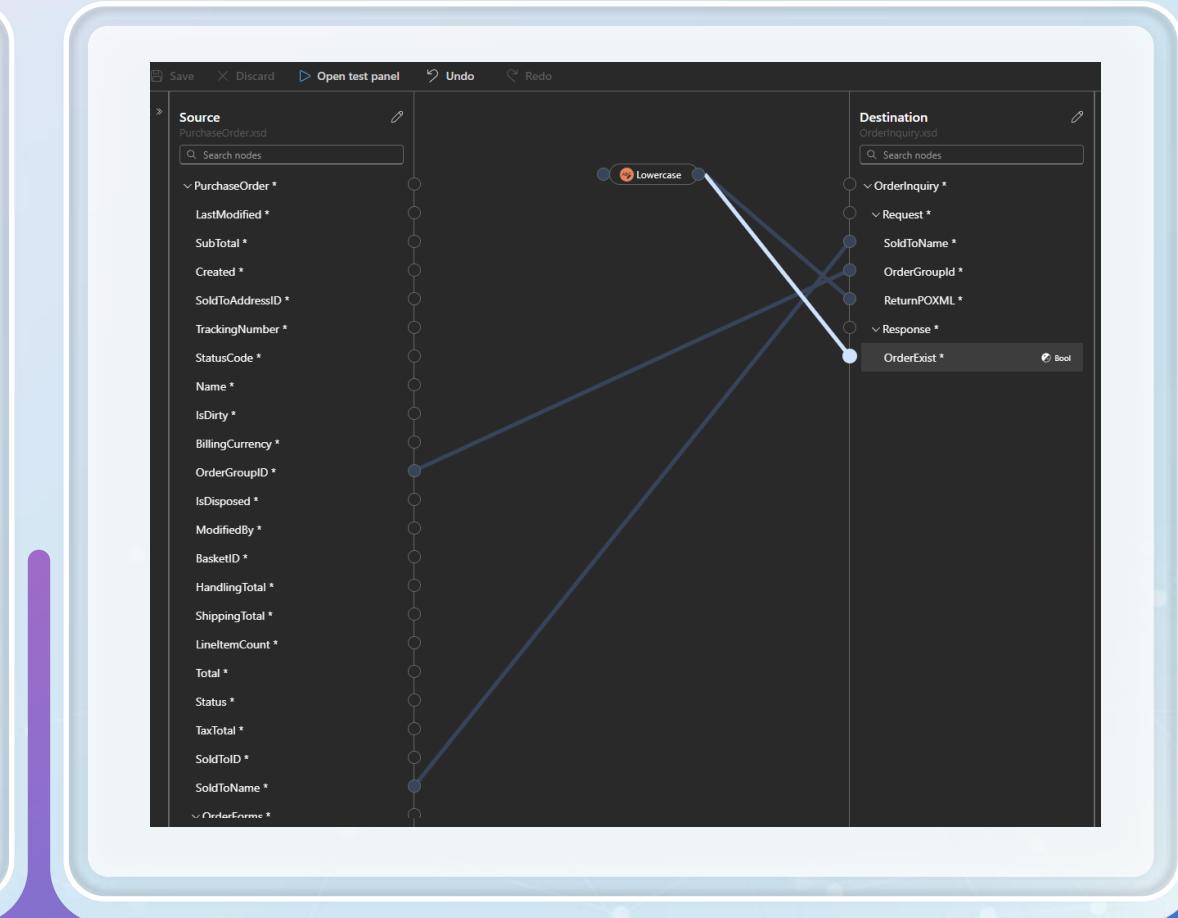
To Logic Apps Workflow

Migration Tools

BizTalk Maps



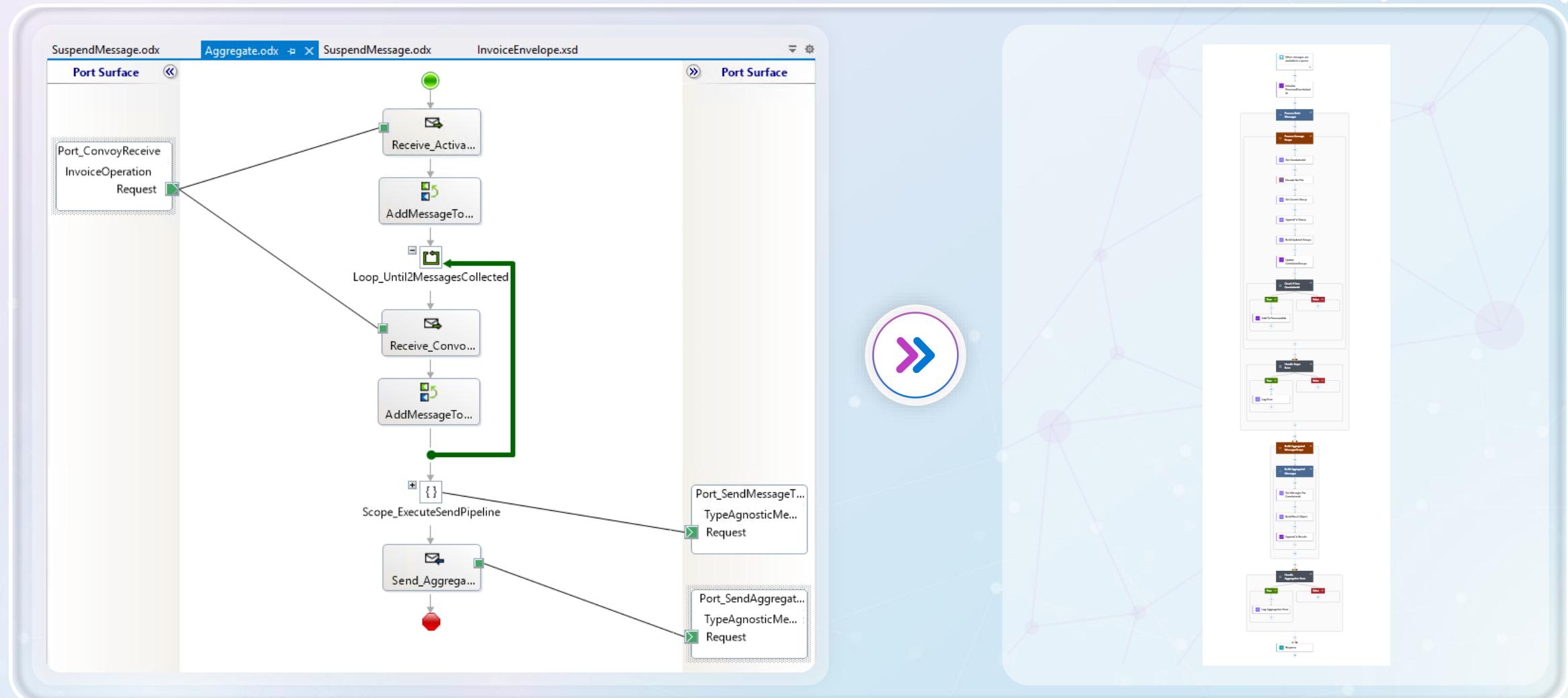
From BizTalk Maps



To Data Mapper Maps

BizTalk Migration Templates (Library)

Aggregator Pattern



Migration Resources

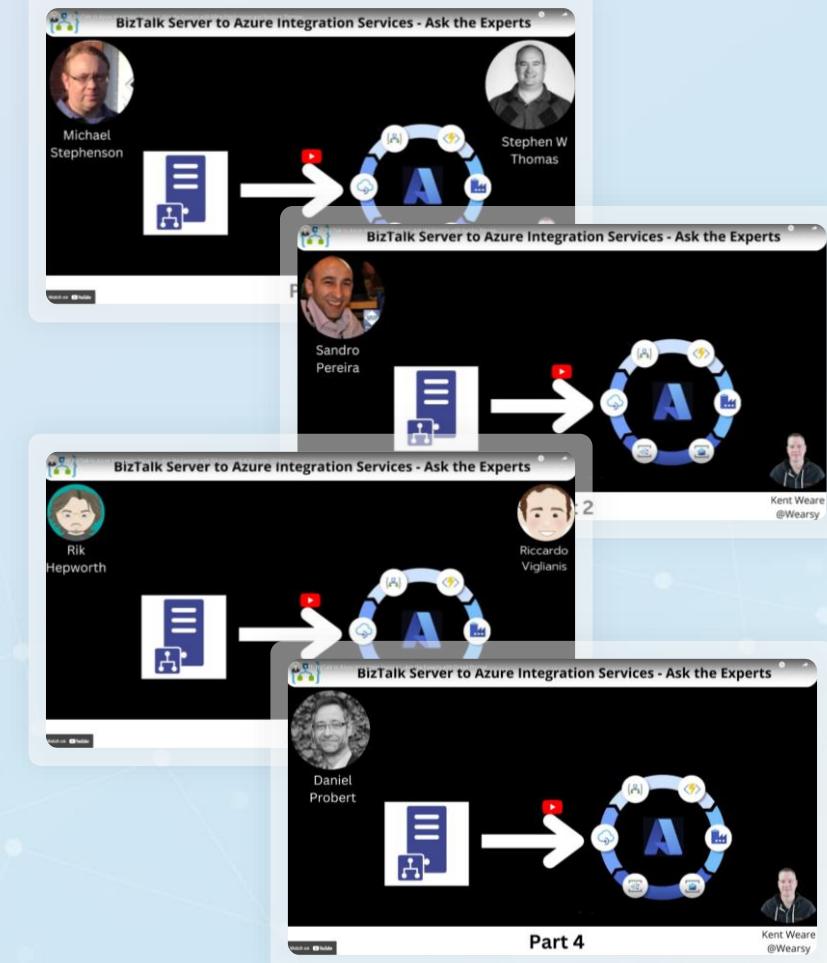
<https://aka.ms/BizTalkServerMigrationResources>

BizTalk Server: Ask the Experts Series

We sat down with Microsoft MVPs and Microsoft Partners to discuss BizTalk Server to Azure Integration Services migration. Learn how these experts approach migration and take advantage of their real-world experience.

Topics covered

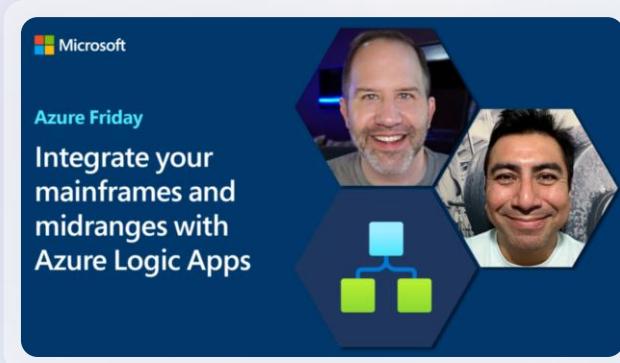
- What are some examples of BizTalk migrations that you have been involved in?
- What is the biggest driver for these customers?
- If you were helping a customer migrate, what would be some advice you would provide your customer?
- How do you think about taking reusable BizTalk components and moving them to the cloud?
- When considering BizTalk architectures, what is an anti-pattern or something that customers should avoid/re-think as they move to Azure?
- What should customers be doing about Operational support once they go live?
- And much more



Host Integration Server Series

Customers using Host Integration Server can leverage our Azure Logic Apps connectors to integrate with Mainframes and Midranges:

<https://learn.microsoft.com/en-us/shows/azure-friday/integrate-your-mainframes-and-midranges-with-azure-logic-apps>



We Speak Series

Covers IBM MQ, IMS, CICS, DB2, 3270, Host Files, SNA and many others as alternatives for the BizTalk Adapters for Host Files, Host Applications and DB2.

Subscribe to: www.youtube.com/@hcampous

[Patterns for a Gradual Modernization of IBM Mainframes and Midranges using Azure Logic Apps - Microsoft Community Hub](#)

[Logic Apps Mission Critical Series: "We Speak: IBM MQ \(Part 1\)" - Microsoft Community Hub](#)

[Logic Apps Mission Critical Series: "We Speak: IBM CICS" - Microsoft Community Hub](#)

[Logic Apps Mission Critical Series: "We Speak: IBM IMS" - Microsoft Community Hub](#)

[Logic Apps Mission Critical Series: "We Speak: IBM DB2" - Microsoft Community Hub](#)

[Azure Logic Apps Capabilities for Mainframe and Midranges Integration - Microsoft Community Hub](#)

[Logic Apps Mission Critical Series: "We Speak IBM Host Files" - Microsoft Community Hub](#)

[Microsoft Products for Mainframe and Midranges Integration - Microsoft Community Hub](#)

[Enabling SNA Applications with Azure Integration Services - Microsoft Community Hub](#)

Additional Resources

BizTalk Server Migration

<https://aka.ms/BizTalkServerMigrationResources>

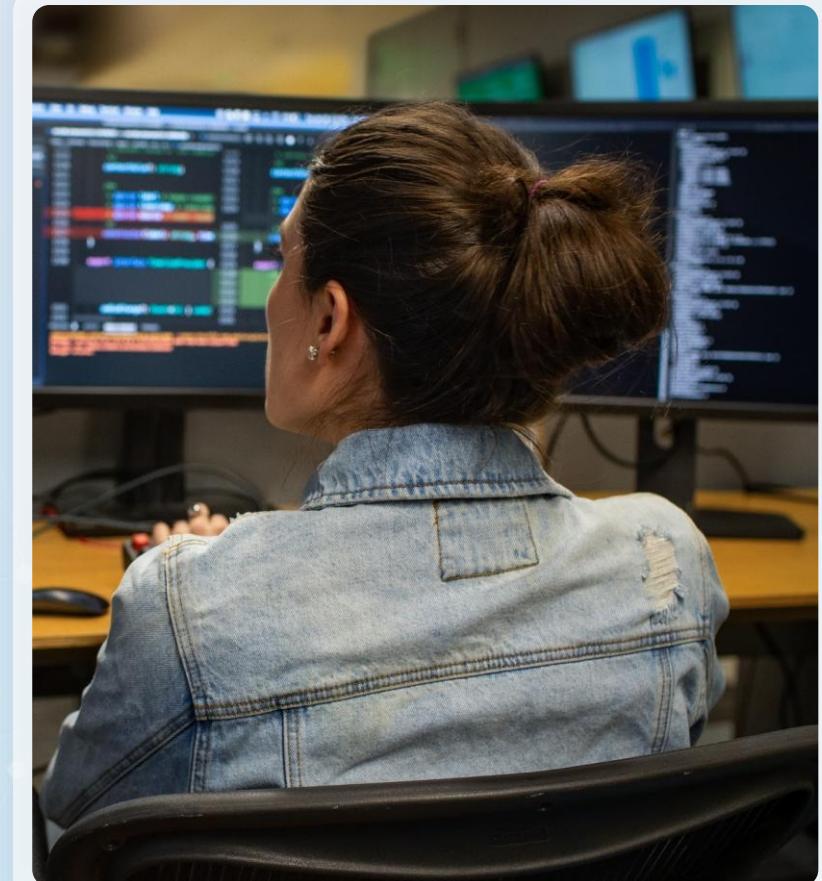
Azure Integration Services

Landing Zone

<https://aka.ms/EnterpriseScale-Integration-Services>

Azure Integration Services Blog

<https://aka.ms/azureintegrationblog>



Interested in trying new technology?

- MLLP Private preview: <https://aka.ms/privatemllp>
- Oracle DB Private preview: <https://aka.ms/oracleprivate>
- Disconnected environments: <https://aka.ms/ladisconnected>
- NMS/ActiveMQ Private preview: <https://aka.ms/jmsaction>
- Want to be a BizTalk Migration Case studies?: <https://aka.ms/biztalkmignomination>
- Rules engine action Private preview: <https://aka.ms/rulesactionxml>



What is missing?

Help us shape our investments

Missing features?

<https://aka.ms/logicappsneeds>

How can I stay up to date?



Azure Integration Services Blog

<https://aka.ms/azureintegrationblog>

- All major product announcements are made here!

Logic Apps Aviators Newsletter

<https://aka.ms/azureintegrationblog>

- Published the first Monday of the month
- Summary of all product announcements and community news

Logic Apps Live – Community Stand Up

<https://aka.ms/lalive>

- Takes place on the 4th Thursday of the month at 11am (Pacific)
- Hosted live on YouTube and available on-demand after event
- Product news and demos
- Live Q&A

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to subscribe!