Microsoft Integrate Conference

Deutschland Österreich Schweiz

Microsoft

POWER OF INTEGRATION

QUIBIQ

Logic Apps: Anywhere, Everywhere

dev>scope

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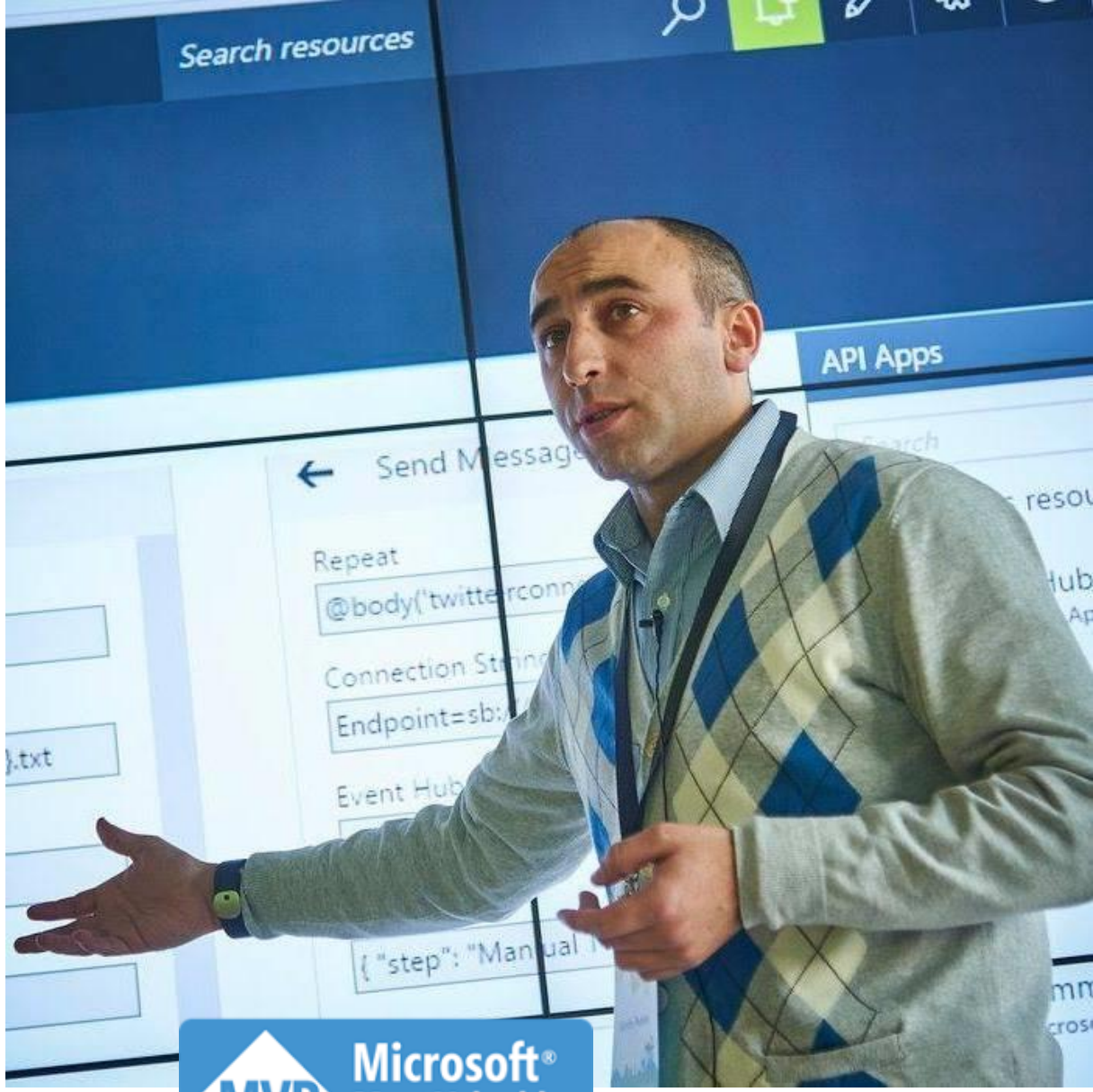
- Public speaker
- Father
- Book author: "BizTalk Mapping Patterns and Best Practices"



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THIS IS NOT A SESSION TO DISCUSS YOUR PERFECT TOOL

HOW AND WHERE WE CAN OR SHOULD USE LOGIC APPS

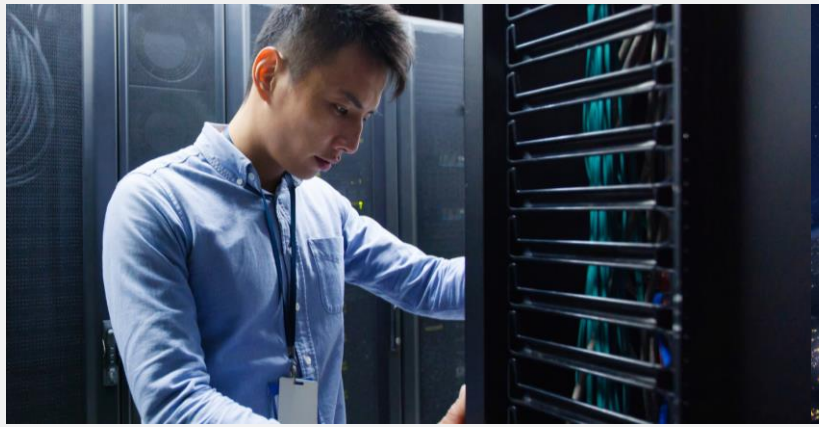
LOGIC APPS EXPERIENCE

What tools should you use to build Logic Apps: Azure Portal, Visual Studio, or Visual Studio Code

INTEGRATIONS CHALLENGES

Cloud Integration, Hybrid integration and On-premises Integration
What are my options? What tools and technologies can we use?

INTEGRATIONS CHALLENGES



ON-PREMISES INTEGRATION

What are my options? Can we use Logic Apps?

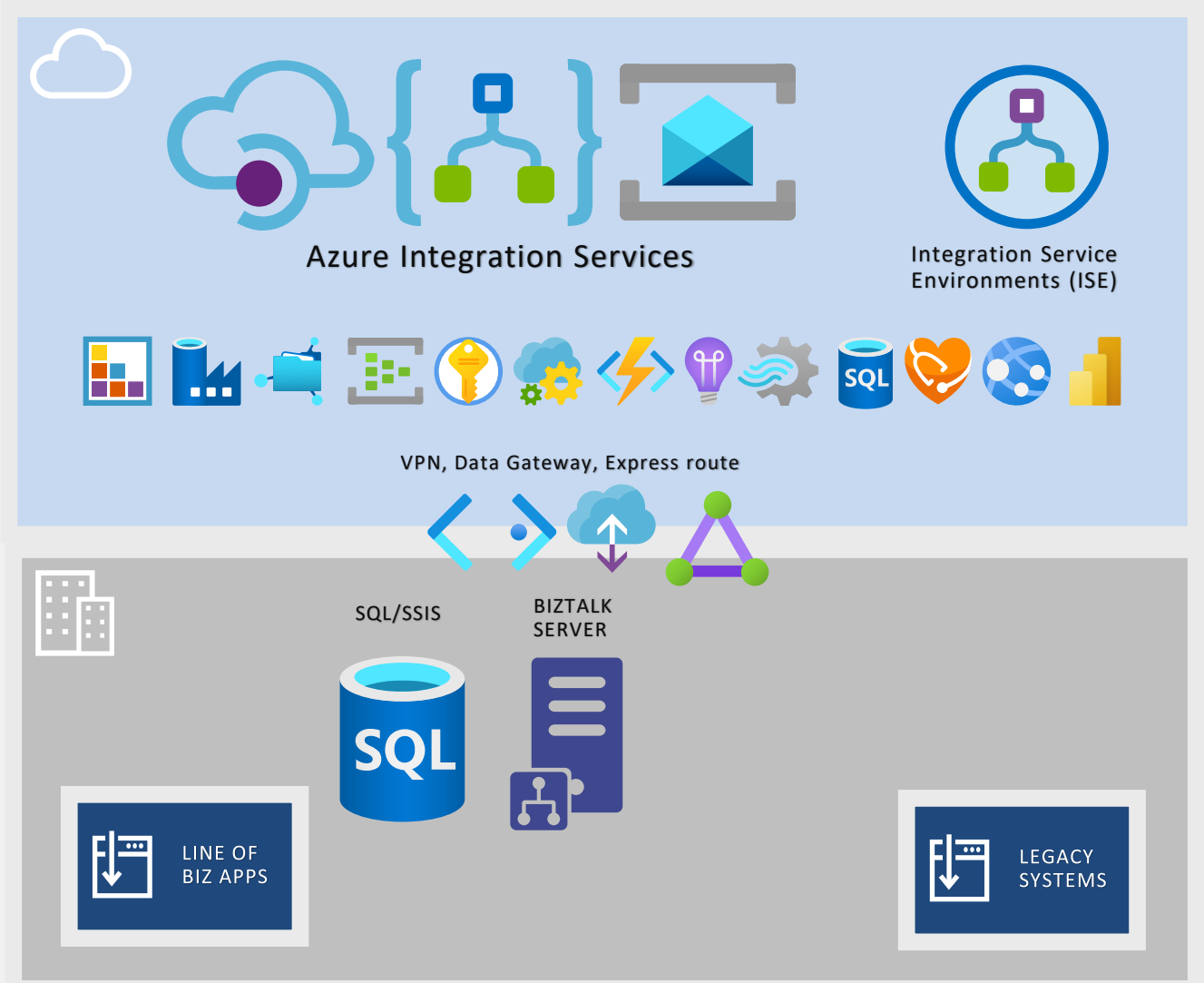
HYBRID INTEGRATION

What are my options? What tools and technologies can we use?

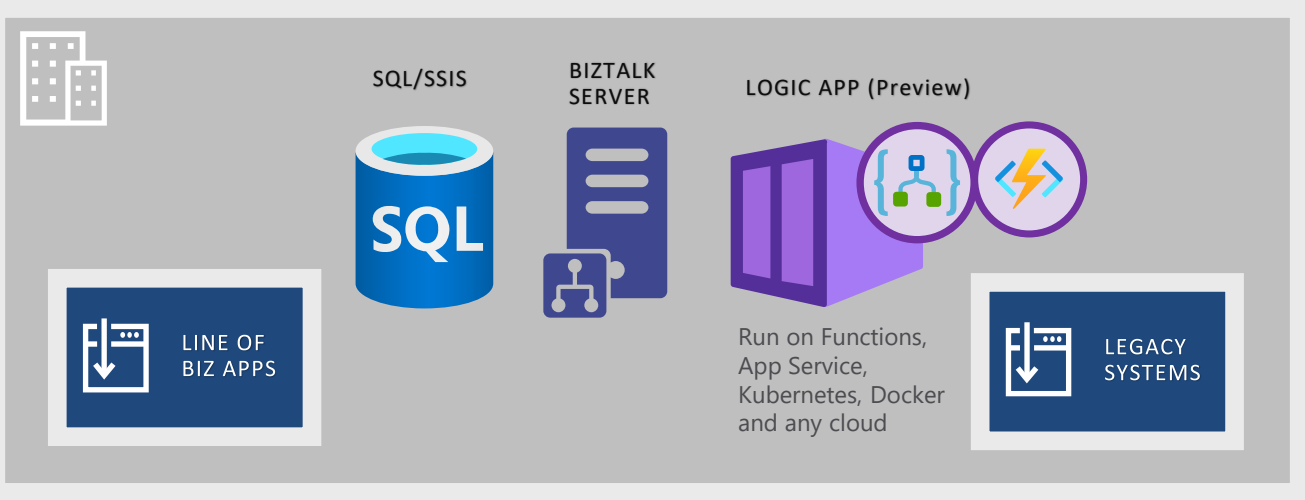
CLOUD INTEGRATION

Should we always use Logic Apps? What are my other options?

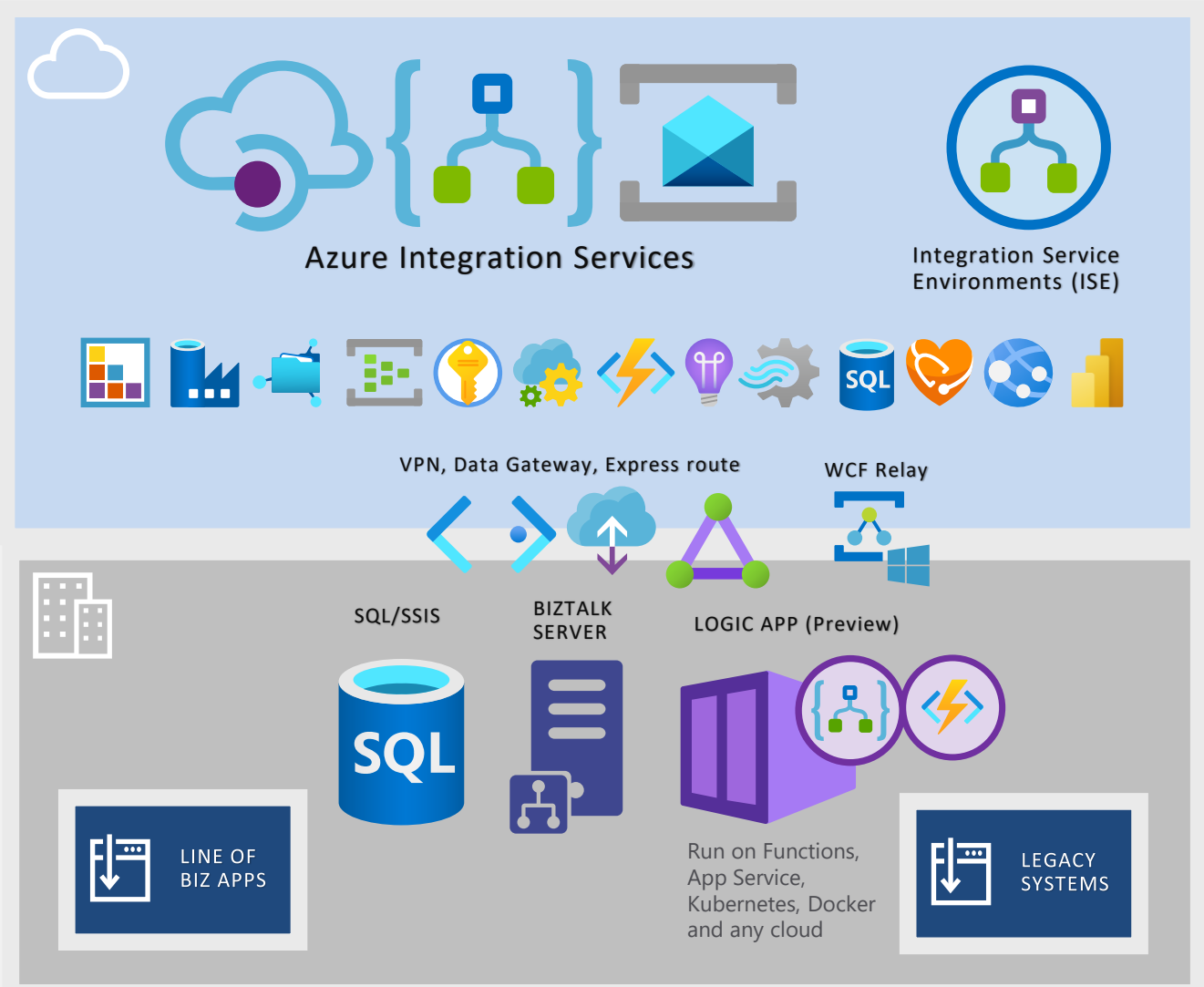
ON-PREMISES INTEGRATION

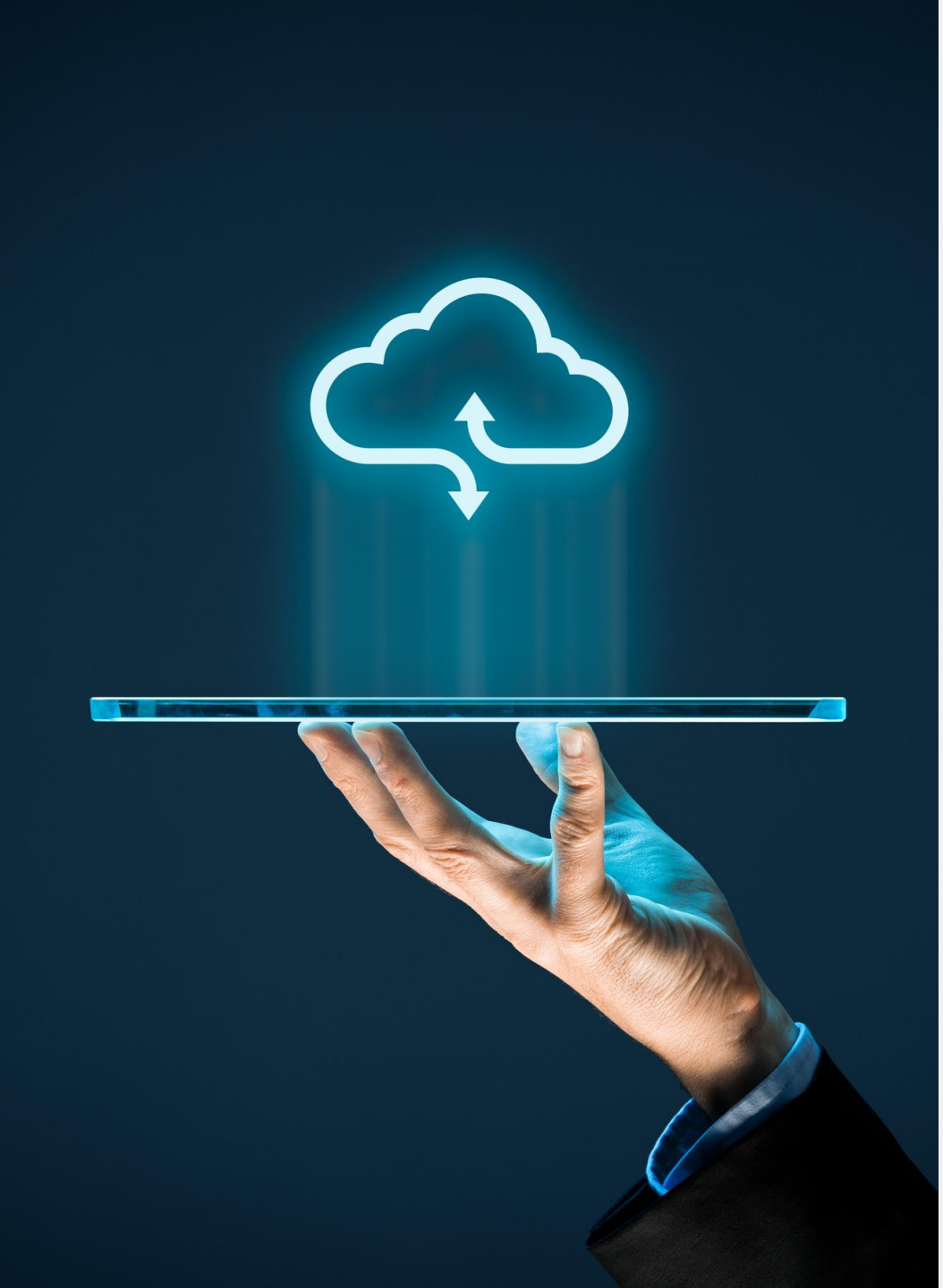


ON-PREMISES INTEGRATION

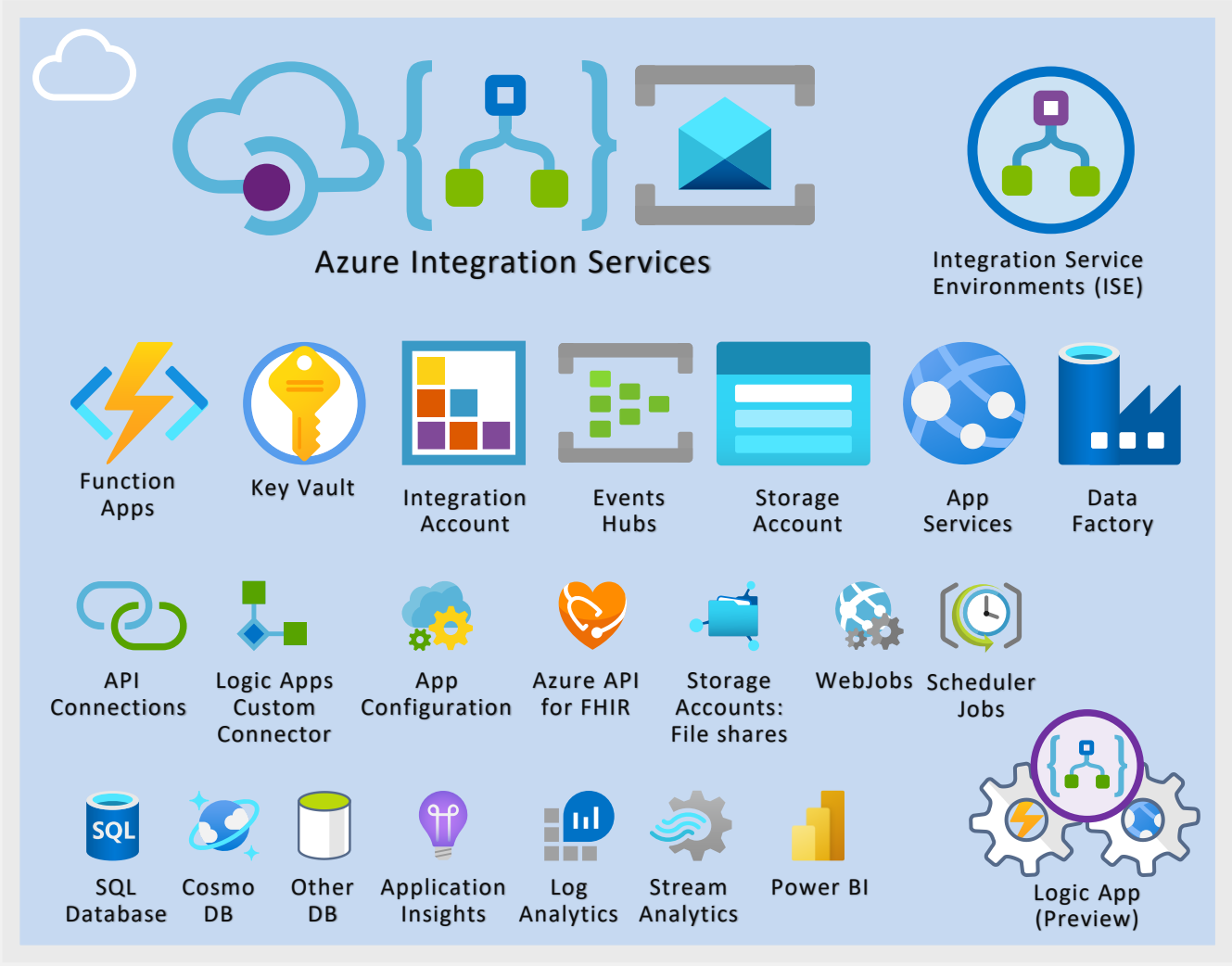


HYBRID INTEGRATION





CLOUD INTEGRATION



Hybrid Integration using BizTalk Server and Logic Apps

LOGIC APPS DEVELOPER OPTIONS

What do you need to know to start developing on Azure Logic Apps and in a productive and effetive way.

AZURE PORTAL

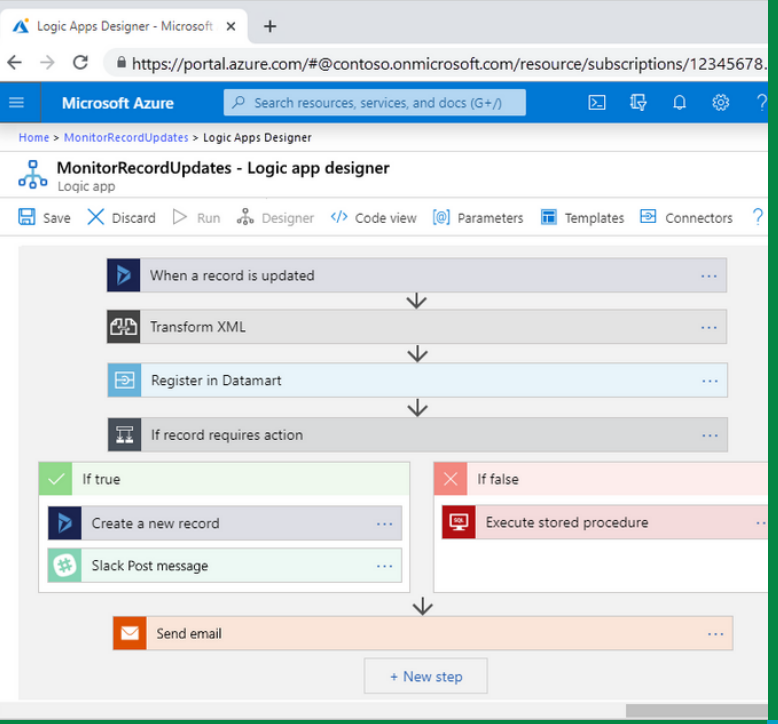
Simple and quick approach

VISUAL STUDIO

Familiar tool for developers.

VISUAL STUDIO CODE

Lightweight and free tool



SIMPLE AND QUICK APPROACH

- It is quite intuitive and fast
- It doesn't require any additional tools or software
- It doesn't require a Visual Studio License
- And almost beginner tutorials or documentation use this approach
- it doesn't require any additional skill
- All types of users are familiar with

AZURE PORTAL

PERFORMANCE

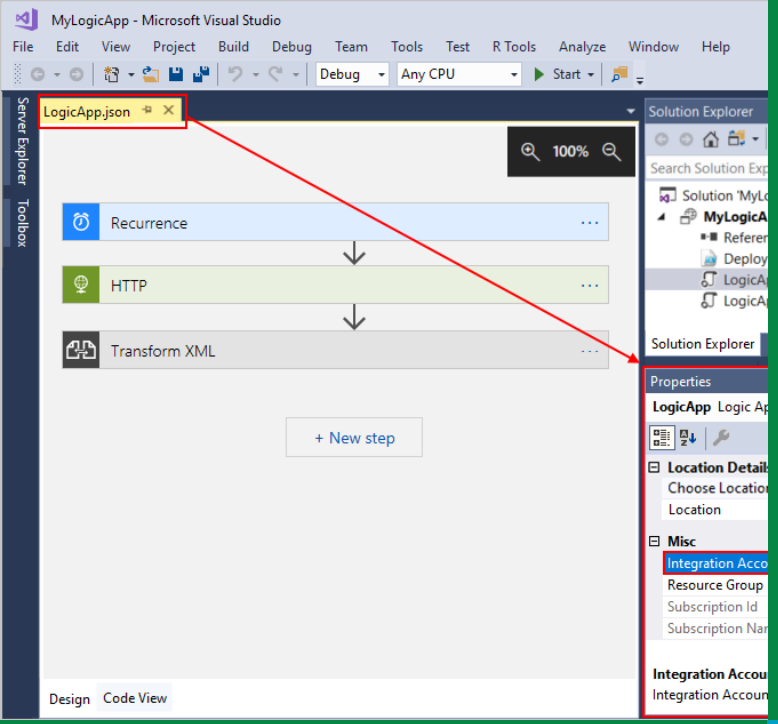
- There are fewer bugs – compare to the other two options;
- The browser reacts faster than the IE embedded in Visual Studio

FASTER UPDATES

- This is the first place where updates will be made

BUT...

- Lack of CI/CD
- Hard to implement a proper naming convention
- Lack of proper Source code repository
- Harder to customize/parameterize your Logic App
- All types of users are familiar with Azure Portal and create Logic Apps



FULL CI/CD SUPPORT.

- We can easily customize almost everything, and we can easily use Azure Pipelines in Azure DevOps to easily deploy across environments or different resources
- We can easily customize/parameterize our Logic App template, parameters, and variables;
- All the connection settings will be automatically rectified in an upsert matter (create the resource if it doesn't exist or update if already exist)

VISUAL STUDIO

PROPER NAMING CONVENTIONS

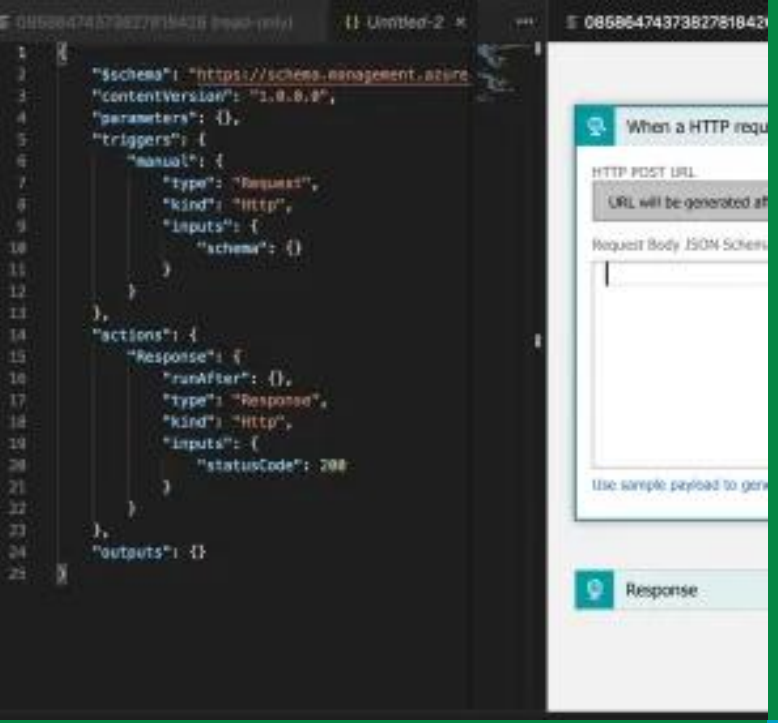
- We can easily change the default connector names to have a proper naming convention

FAMILIAR TOOL FOR DEVELOPERS & SOURCE CODE REPOSITORY

- It is a well know tool for developers
- Visual Studio versioning and the full development life cycle inside TFS or Git

BUT...

- Visual Studio License
- There are some well-known bugs
- Great amount of manual configurations
- A tool focused on developers
- Performance
- No support for Logic Apps (Preview)



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VISUAL STUDIO CODE

FOR LOGIC APPS (SERVELESS)

PROPER NAMING CONVENTIONS

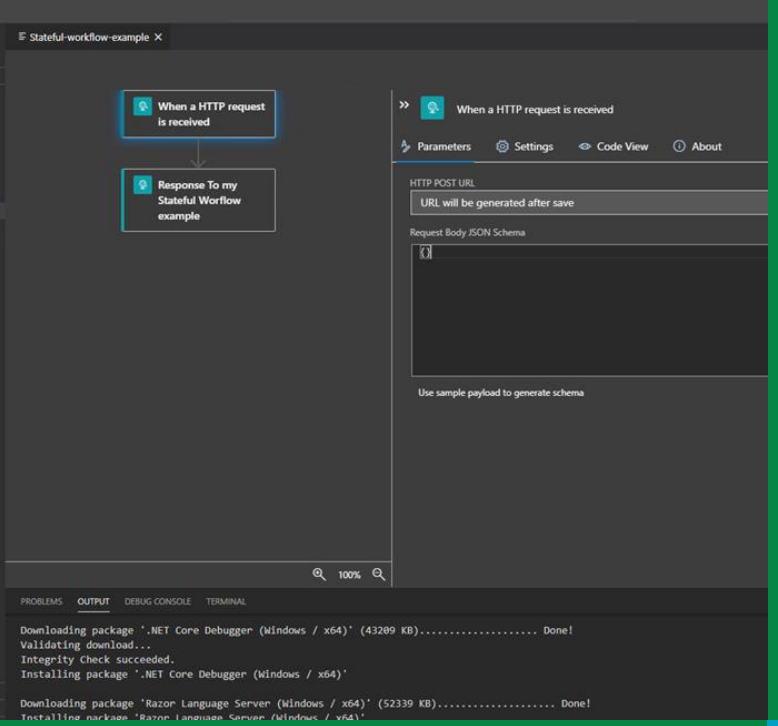
- We can easily change the default connector names to have a proper naming convention

FREE OPEN-SOURCE TOOL

- It is a free open-source tool, which means that you don't require any licensing;

BUT...

- Logic App Designer is view mode only
- Everything needs to be done manually
- No local project support



FULL LOGIC APP DESIGNER

NEW LOGIC APPS DESIGNER

STATEFUL OR STATELESS WORKFLOWS

VISUAL STUDIO CODE

FOR LOGIC APPS (PREVIEW)
(COMPUTED BASE)

RUN LOCAL

RUN EVERYWHERE

LOCAL PROJECT SUPPORT

BREAKPOINT DEBUGGING

BUT...

- Preview (not ready to production)
- Some limitations
- Logic Apps (Preview): No support to Visual Studio
- Can't deploy single Logic App

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