

AZURE LIVE

**PREPARADO POR: JOSE YAPUR
COMENZAMOS 8 PM EN PUNTO**

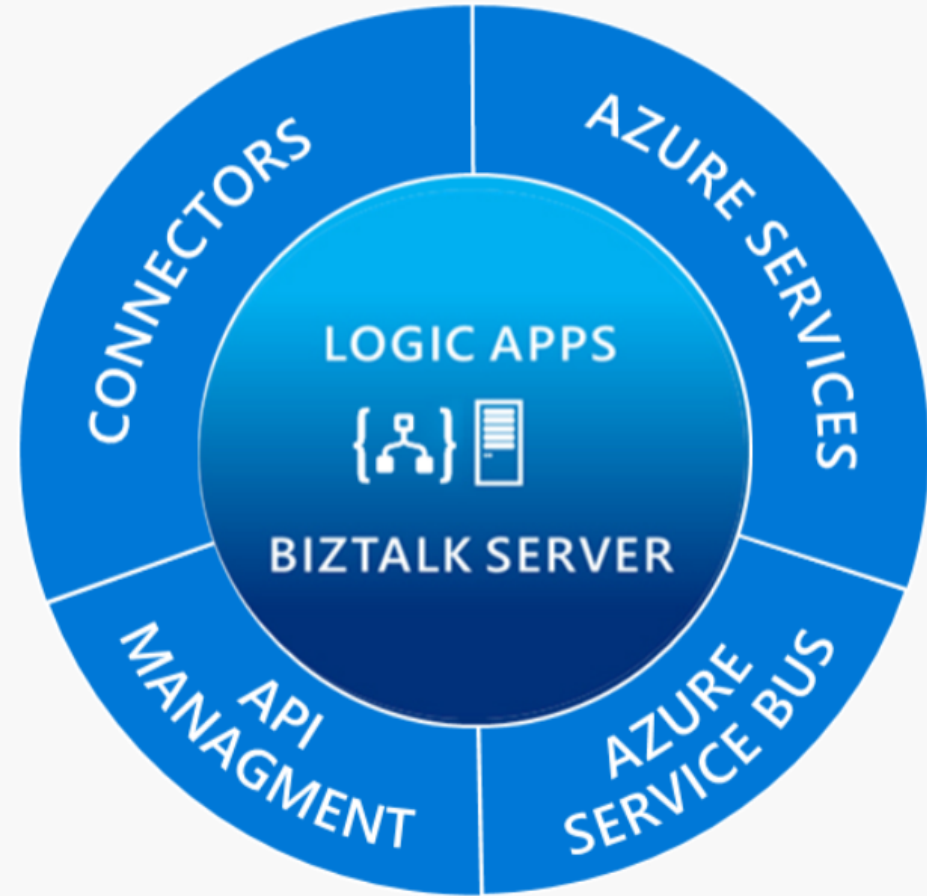


CLASE 3

AZURE LOGIC APPS, FUNCTIONS Y UN
PLUS

Integration. Evolved.

- ✓ Hybrid
- ✓ API First
- ✓ Connect Everything
- ✓ Serverless
- ✓ Tooling & DevOps



IPAAS - AZURE INTEGRATION SERVICES



Microsoft Flow

Enable the Citizen Developer to Do More

Development

 IDE support

 Integrated DevOps

 Monitoring

 Visual Debug History

Logic Apps



Connect SaaS applications

Serverless compute, auto scaling, fully managed

Leverage Azure Services

API Management



Document and catalog LOB APIs

Discover, manage and secure connectivity

Gain insights, measure and monetize

Service Bus



Cloud-based messaging service

Connect to the cloud

Secure and predictable message delivery

Event Grid



Fully-managed event routing

Near real-time event delivery at scale

Broad coverage within Azure and beyond



BizTalk Server

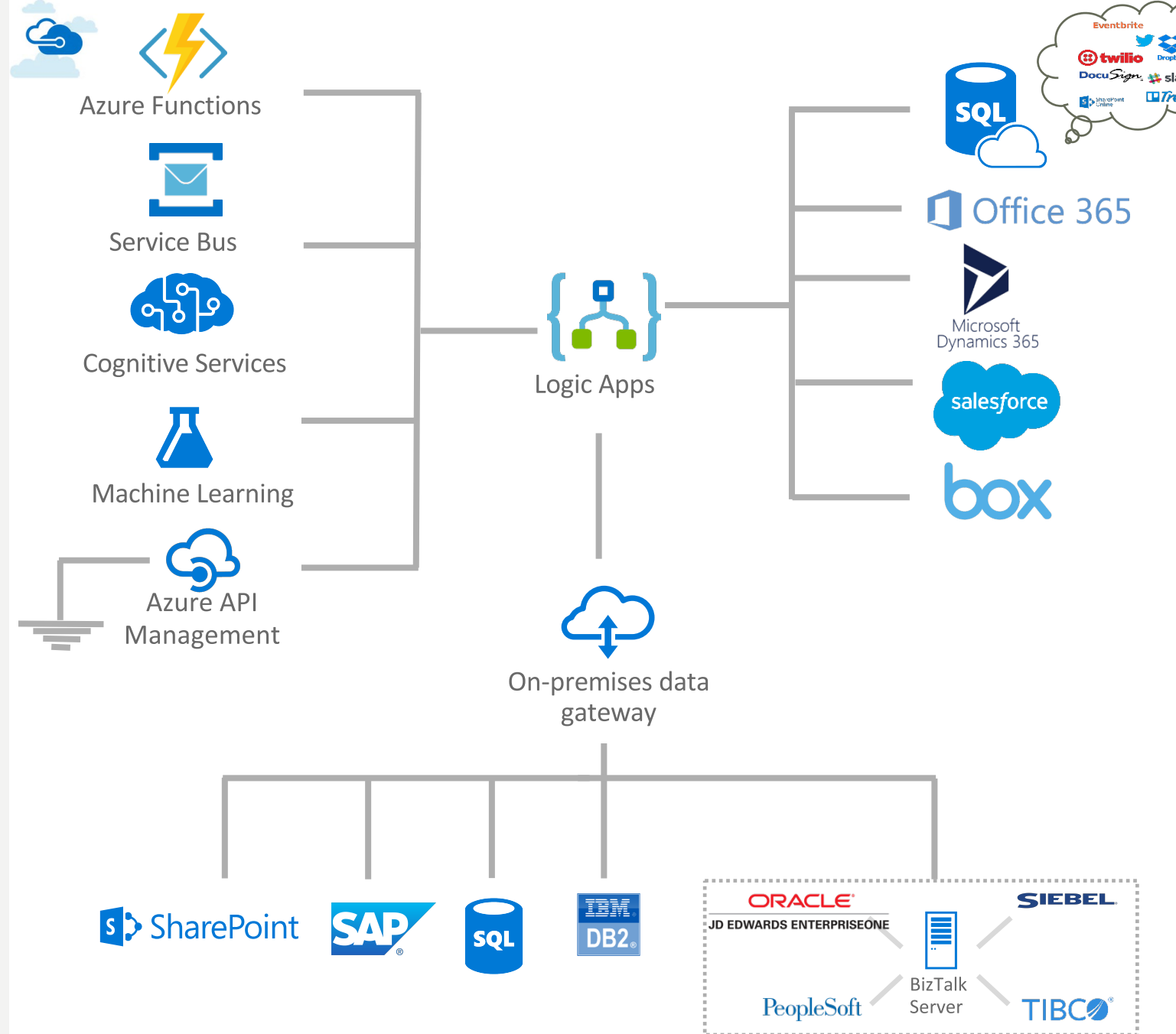
Integrate on-premises LOB to SaaS apps



Management Portal, Azure Resource Manager

LOGIC APPS

- Connect on-premises, hybrid and cloud applications
- Run mission-critical, complex integration scenarios with ease
- Build “Smart” Integrations leveraging Machine Learning/Cognitive Services



Connected with over 200 connectors



Cloud APIs and
platform functionality

Over 200 out of box connectors

SaaS, on-prem, protocols, B2B and message
manipulation

Hybrid connectivity

Hosted and managed within the platform

Scales to meet your needs

First class designer experience



Custom Connectors

Access any REST/SOAP API

Cloud or on-premises

Simple creation wizard

Connections and managed secrets

First class designer experience

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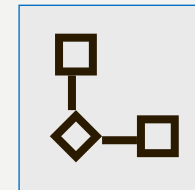
API connections

Authenticate once and reuse

Differentiate connection configuration

Simple to deploy

Portal experience for managing API
Connections



LOGIC APPS IS SERVERLESS TECHNOLOGY

Reduced DevOps



Event-driven
scale



Abstraction
of servers

Faster Time To Market



Rapid
development



Focus on
business logic

Micro-billing



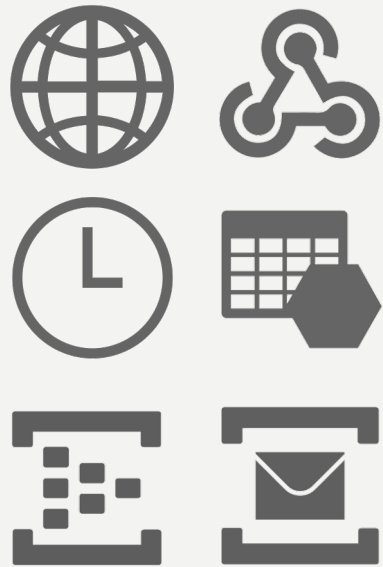
Per action
billing



Reduce
costs

AZURE FUNCTIONS

Events



React to timers, HTTP, or events from your favorite Azure services, with more on the way

Code



Author functions in C#, F#, Node.JS, **Java**, and more

Outputs



Send results to an ever-growing collection of services

Language Support

Languages	Status
C#	GA
JavaScript	GA
F#	GA
Java	GA
Python	GA
Bash	GA

Additional Experimental Languages: Python, Bash, Powershell, Batch, PHP, TypeScript

Functions triggers and bindings

Type	Service	Trigger*	Input	Output
Schedule	Azure Functions	✓		
HTTP (REST or webhook)	Azure Functions	✓		✓**
Blob Storage	Azure Storage	✓	✓	✓
Events	Azure Event Hubs	✓		✓
Queues	Azure Storage	✓		✓
Queues and topics	Azure Service Bus	✓		✓
Storage tables	Azure Storage		✓	✓
SQL tables	Azure Mobile Apps		✓	✓
NoSQL DB	Azure Cosmos DB	✓	✓	✓
Push Notifications	Azure Notification Hubs			✓
Twilio SMS Text	Twilio			✓
SendGrid email	SendGrid			✓
Excel tables	Microsoft Graph		✓	✓
OneDrive files	Microsoft Graph		✓	✓
Outlook email	Microsoft Graph			✓
Microsoft Graph events	Microsoft Graph	✓	✓	✓
Auth tokens	Microsoft Graph		✓	

Development tools

- **Monitoring: App Insights**
- **Local debugging: VS, VS Code**
- **Run locally: X-Plat CLI**
- **Publish: VSTS, Maven**
- **CD: GitHub, BitBucket, Jenkins...**

Inner loop



Outer loop

Ways to Run Functions

Consumption

Serverless



Pay only for what you use! Metering is per execution and per GB Second.

App Service Plan

Free, Basic, Standard, Premium



All the advantages of Functions with the SLA and 'always on' features of an App Service Plan.

App Service Environment

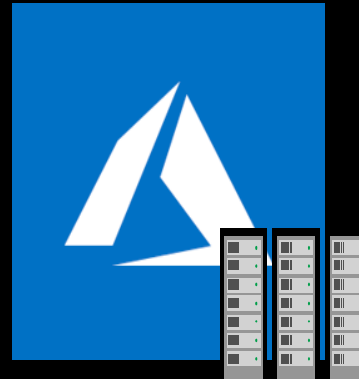
Network Isolation



Your own dedicated cloud environment with network isolation for apps, higher scale, and the ability to connect securely to local vNets.

Azure Stack

On Premises



Leverage cloud innovations in on-premises infrastructure. Azure Stack brings the power of Azure to your own data centers.

Azure Functions Runtime

Functions on your Server



Run your Azure Functions on your local server (without the rest of Azure)

Azure IoT Edge

On Devices



Run on IoT Devices by deploying custom modules.