DynamicsCon Regional

July 24-25, 2025 | Nairobi, Kenya

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Microsoft® Most Valuable Professional

Microsoft Certified Trainer MCT Trainer

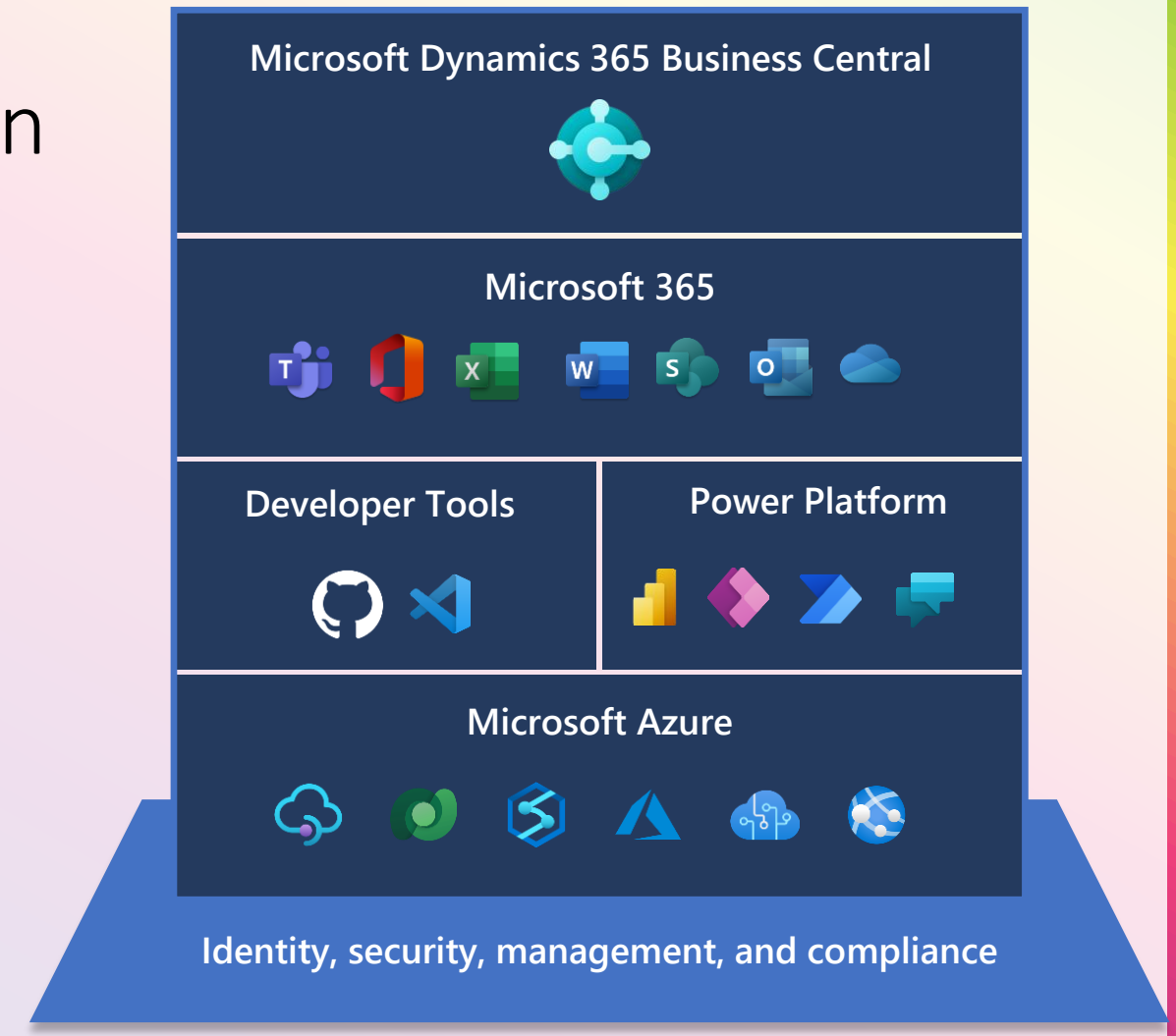
Leverage Azure Functions in Business Central AL Programming

DynamicsCon Regional

World's most trusted and comprehensive cloud

Dynamics 365 Business Central outcompetes with the only fully integrated stack, on the world's most trusted and comprehensive cloud

- Works seamlessly with the Microsoft applications you already use and know – Outlook, Teams, Excel and Power Platform
- AI infused throughout the solution brings you continuous insights to speed decision making
- A single system that works across international locations
- Scalable and extensible to grow and adapt with your growing business



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Dynamics 365 Business Central

Connect finance, sales, service, and operations teams with a comprehensive business management solution trusted by over 45,000 small and medium-sized businesses.

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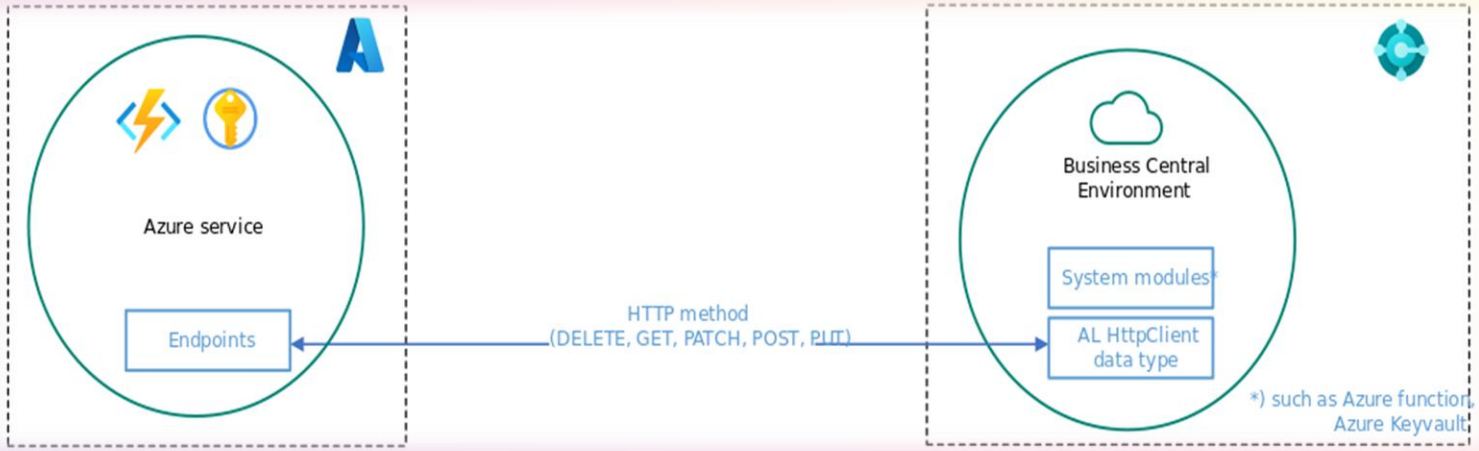
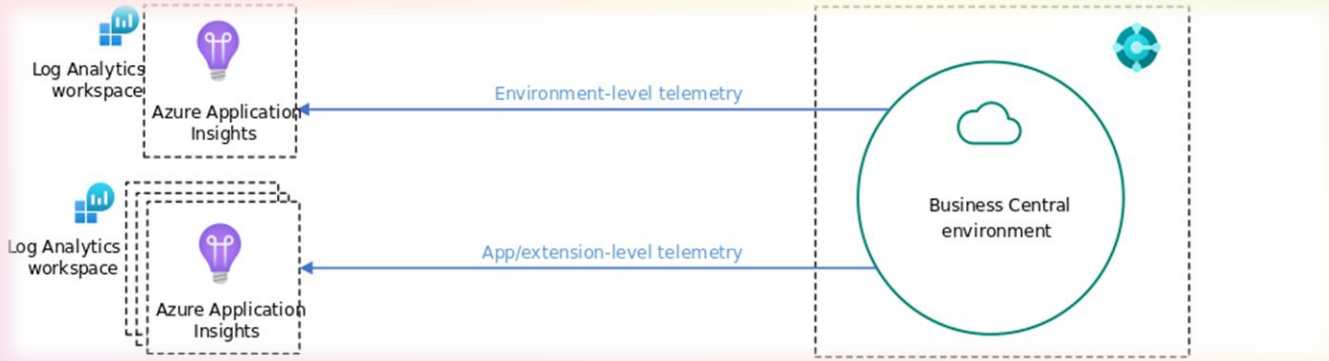
Integrating Business Central with Azure Services.

- Azure Application Insights
- Azure Blob Services
- Azure File Services
- Azure Functions
- Azure Key Vault
- Azure Virtual Networks
- Azure OpenAI Service



Azure Application Insights

- Integrate Business Central with Azure Application Insights via telemetry
- Enable telemetry to monitor system activity
- Track usage and lifecycle operations of environments and apps
- Diagnose issues effectively
- Analyze performance-impacting operations



Azure Blob Services

- Connect to Azure Blob Storage directly from AL code
- Use built-in module that wraps Azure Blob Services REST API
- As an AL developer, you can:
- Create, delete, and list containers in storage accounts
- Build tools to upload/download BLOBs
- Manipulate data stored in Azure Blob Storage

```
var
    procedure CreateMyFirstBlob()
    var
        ABSContainerClient: Codeunit "ABS Container Client";
        ABSBlobClient: Codeunit "ABS Blob Client";
        StorageServiceAuthorization: Codeunit "Storage Service Authorization";
        Response: Codeunit "ABS Operation Response";
        Authorization: Interface "Storage Service Authorization";
    begin
        Authorization := StorageServiceAuthorization.CreateSharedKey('<my shared key>');

        ABSContainerClient.Initialize('<storage account name>', Authorization);
        ABSContainerClient.CreateContainer('<my fist container>');

        ABSBlobClient.Initialize('<storage account name>', '<my fist container>', Authorization);
        ABSBlobClient.PutBlobBlockBlobText('<my first blob>', 'Yay! This is my first BLOB in Azure Blob Storage services!')
    end;
```

Azure File Services

- Leverage Azure File Services for fully managed cloud file shares
- Access via SMB, NFS, or REST API – industry-standard protocols
- Use the Azure File Services API module in Business Central to:
- Manage Azure Files using AL code
- Mount Azure file shares from cloud or on-premises environments
- Directory operations in AL: list, create, delete, rename
- File operations in AL: create, delete, upload, download, copy, rename

Azure Key Vault

- Store secrets securely (e.g., certificates, credentials) using Azure Key Vault
- Avoid hardcoding secrets in app source code or packages
- Access Azure Key Vault directly from AL code
- Monitor usage and security via telemetry integration
- Ensures best practices for security in extensions and apps

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Azure Functions

Region: South Africa North

Tier: Consumption

ⓘ The first 400,000 GB/s of execution and 1,000,000 executions are free.

Executions

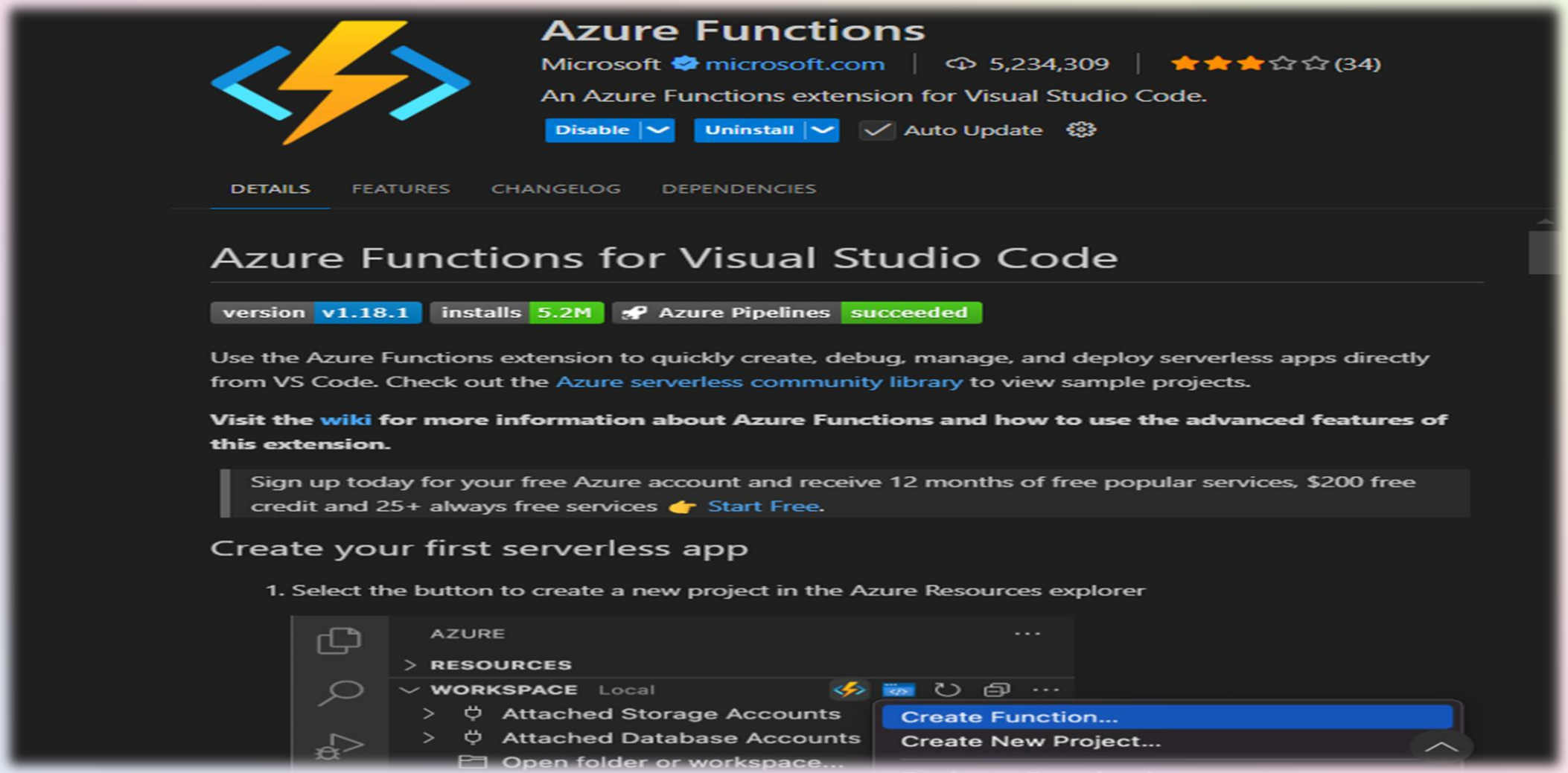
Memory size: 128 × 100 (Execution time (in milliseconds)) × 1000000 (Executions per month) = $0.00

Requests

1,000,000 Execution count = $0.00

Upfront cost	$0.00
Monthly cost	$0.00

Azure Functions ⓘ Flex Consumption tier, 2048 MB Instance memory si... Upfront: $0.00 Monthly: $0.00

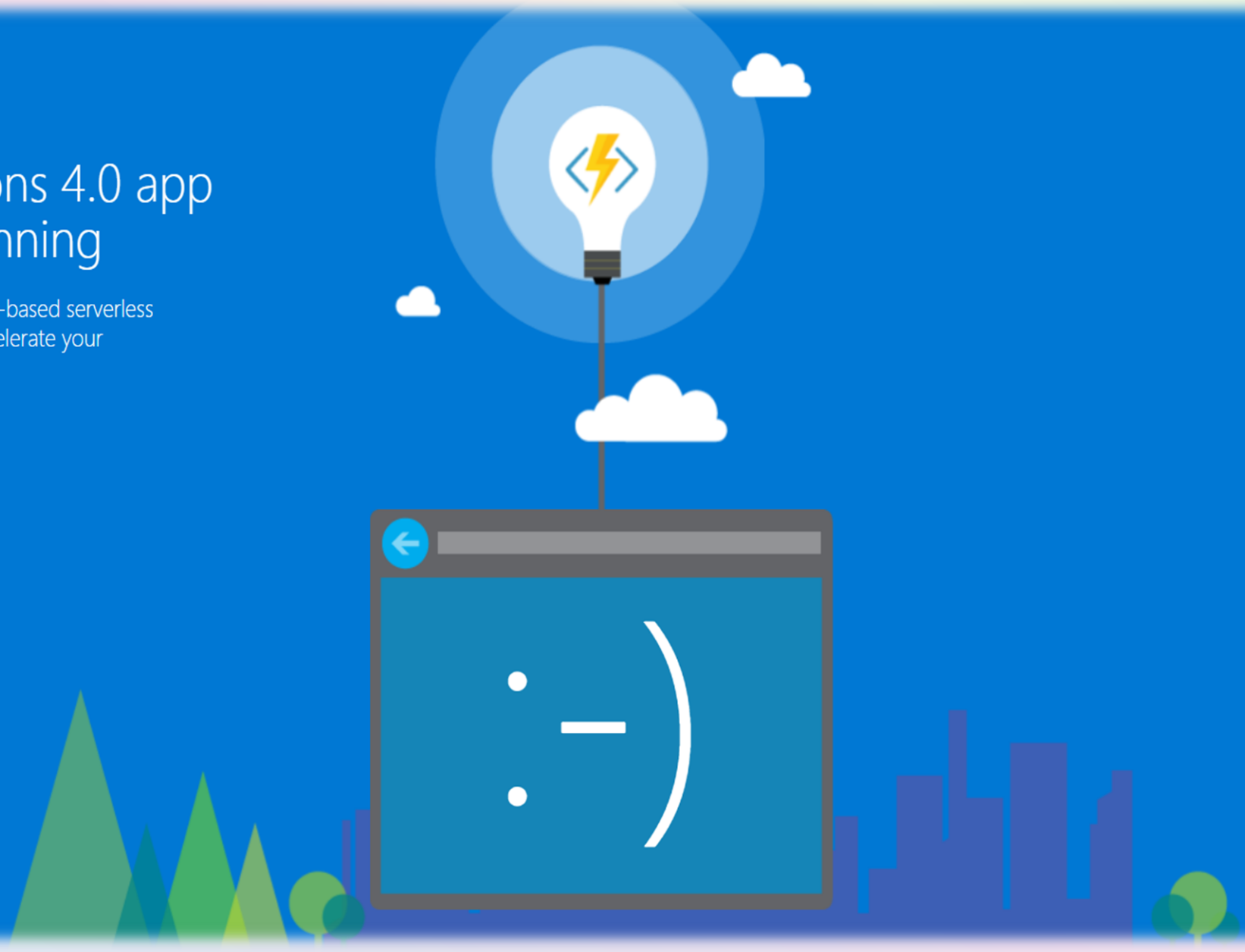

Azure Functions
Microsoft microsoft.com
5,234,309
(34)
An Azure Functions extension for Visual Studio Code.
Disable
Uninstall
Auto Update
DETAILS
FEATURES
CHANGELOG
DEPENDENCIES
Azure Functions for Visual Studio Code
version v1.18.1
installs 5.2M
Azure Pipelines succeeded
Use the Azure Functions extension to quickly create, debug, manage, and deploy serverless apps directly from VS Code. Check out the Azure serverless community library to view sample projects.
Visit the wiki for more information about Azure Functions and how to use the advanced features of this extension.
Sign up today for your free Azure account and receive 12 months of free popular services, $200 free credit and 25+ always free services Start Free.
Create your first serverless app
1. Select the button to create a new project in the Azure Resources explorer
AZURE
RESOURCES
WORKSPACE Local
Attached Storage Accounts
Attached Database Accounts
Open folder or workspace...
Create Function...
Create New Project...

Microsoft Azure

Your Functions 4.0 app is up and running

Azure Functions is an event-based serverless compute experience to accelerate your development.

Learn more



Your on-premises ERP system is holding you back

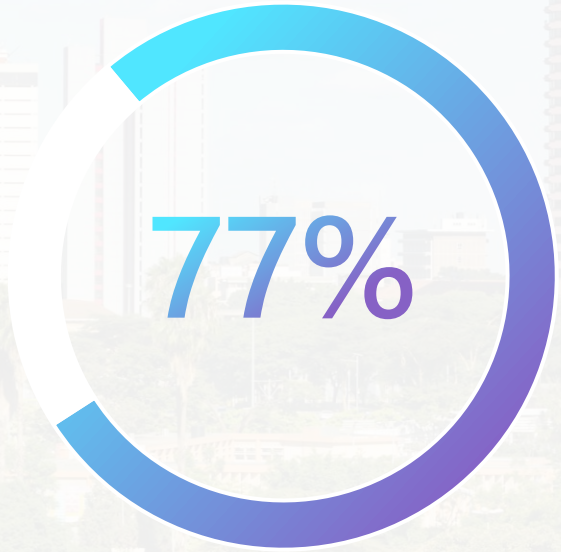
Requires manual, inefficient processes that are error-prone

Slow responsiveness and delayed decision making

Greater vulnerability to security threats and challenges in meeting compliance

Requires ongoing maintenance and manual updates that drain IT resources and delay innovation

What business leaders know—and what their systems can't deliver



of business leaders acknowledge economic volatility and changing consumer preferences are the most critical factors driving the need for agile business operations.[1]

of business leaders advocate the benefits of adopting flexible and integrated ERP systems but only **39%** have confidence in their current system's business transformation flexibility.[1]

of organizations with under 500 employees are susceptible to human-operated ransomware attacks, which are becoming more sophisticated and harder to detect.[2]

1: Future of ERP: Empowering businesses and people with AI-guided productivity, Microsoft 2023
2: Microsoft Digital Defense Report 2023 (MDDR) | Microsoft Security Insider, Microsoft 2023

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aka.ms/BcAll

Thank You! Asante! አመሰግናለሁ! Mahadsanid! Galatooma! የቾንየለይ! Murakoze! Urakoze! Webale, Ndatenda! Zikomo!

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