Supercharge Azure Infrastructure as Code with VS Code and (GitHub) Copilot

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Big Thank You to Our Sponsors

Agenda

1. Create, Test, Deploy
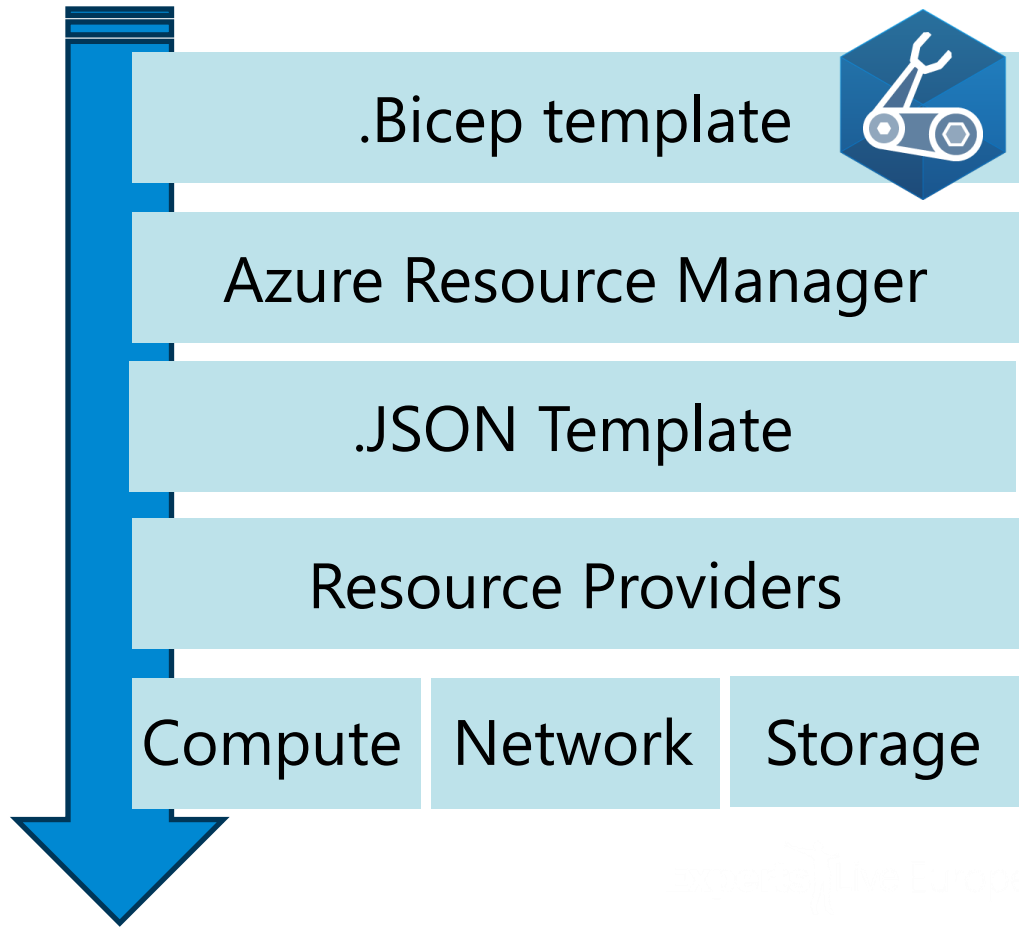2. Maintain
3. Extend

Infrastructure as Code

The practice of managing & provisioning computing infrastructure through declarative configuration files.

What is Bicep

- Declarative
- Idempotent
- Fast

.Bicep template

Azure Resource Manager

.JSON Template

Resource Providers

Compute | Network | Storage

1. Create, test, deploy

Optimize the coding experience with the Bicep VSCode Extension Supercharged with Copilot!
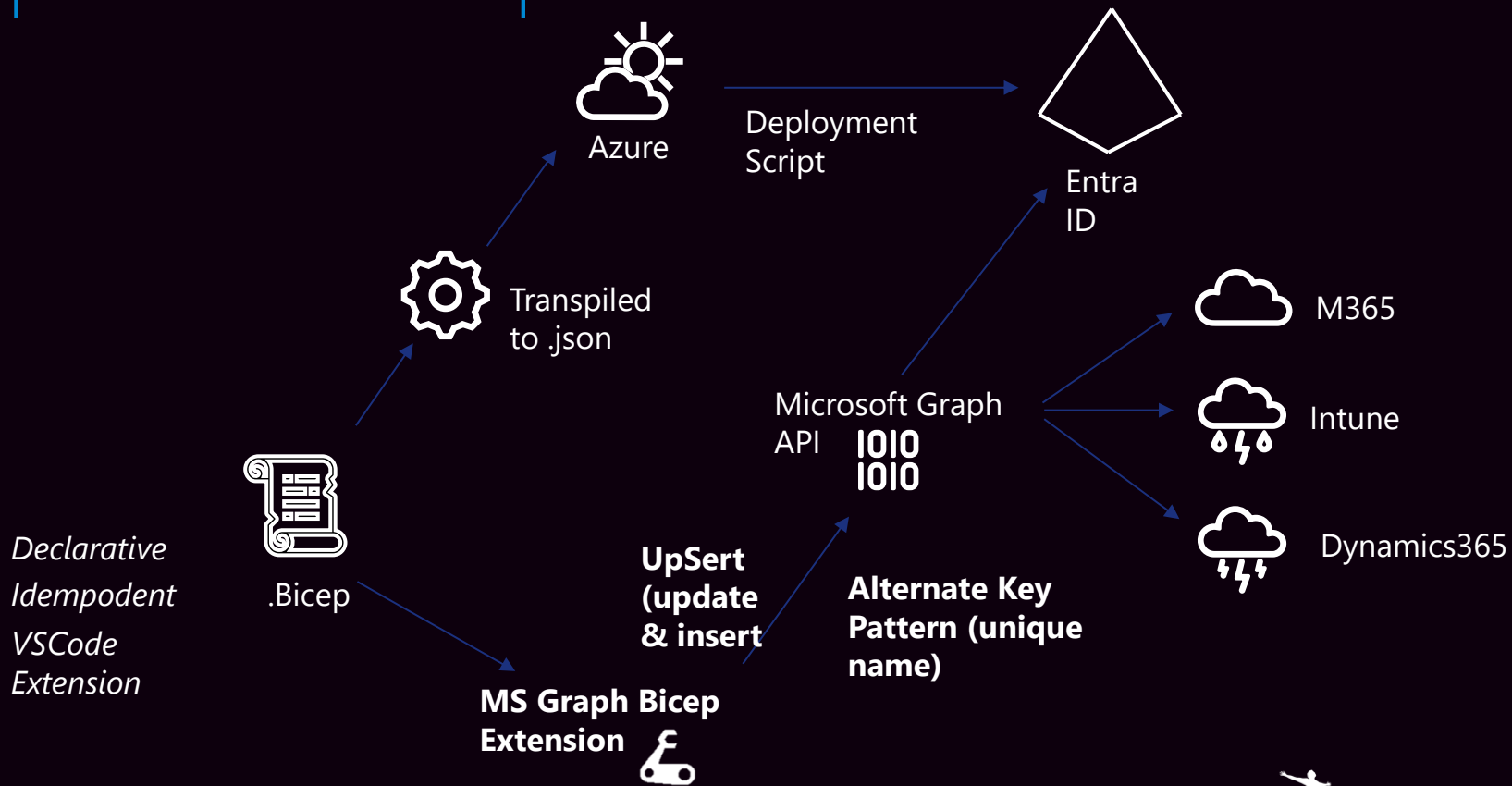
2. Maintain

Embracing Deployment Stacks

3. Extend

Graph API

Graph API & Bicep

Azure

Deployment Script

Entra ID

Transpiled to .json

Microsoft Graph API

M365

Intune

Dynamics365

Declarative

Idempodent

VSCode Extension

.Bicep

UpSert (update & insert)

Alternate Key Pattern (unique name)

MS Graph Bicep Extension

THANK YOU!

Bicep MS Docs:
Aka.ms/bicep

Bicep Monthly Community call ⭐
aka.ms/ARMnews

Bicep GitHub location
github.com/Azure/bicep

Bicep Learning path
docs.microsoft.com/en-us/azure/azure-resource-manager/bicep/learn-bicep

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