



# Reactor

## The Championing Azure Collection Series – DevOps

Season 01 Episode 04

### Infrastructure as Code

February 10th | 5.30 pm CET



**Stefan Ivemo**  
Azure MVP



# Stefan Ivemo

## Microsoft MVP - Azure

Technical Architect – Advania Knowledge Factory

Bicep Core Maintainer

Bicep PowerShell Module creator

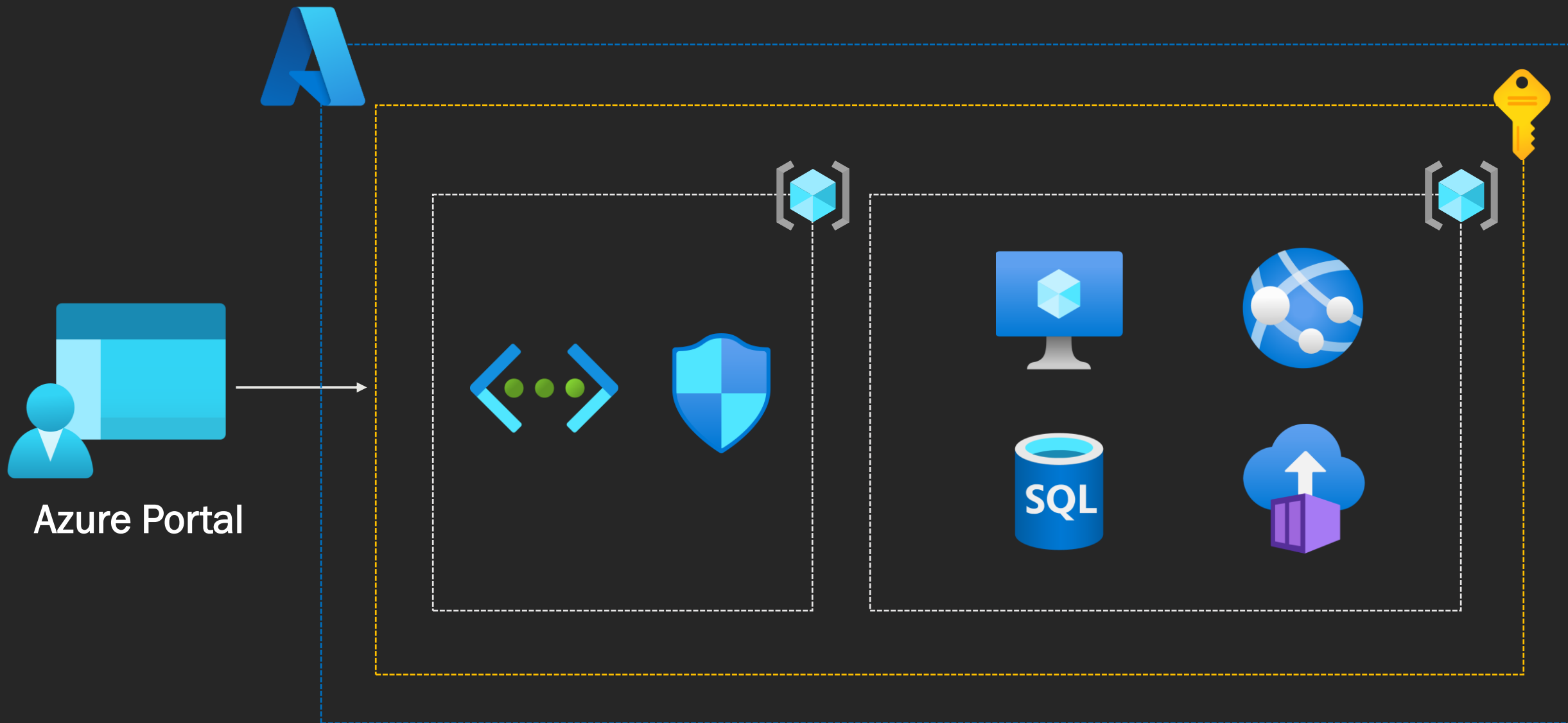
[OSS projects:](#) Bicep, PSBicep, AzOps, Azure Docs



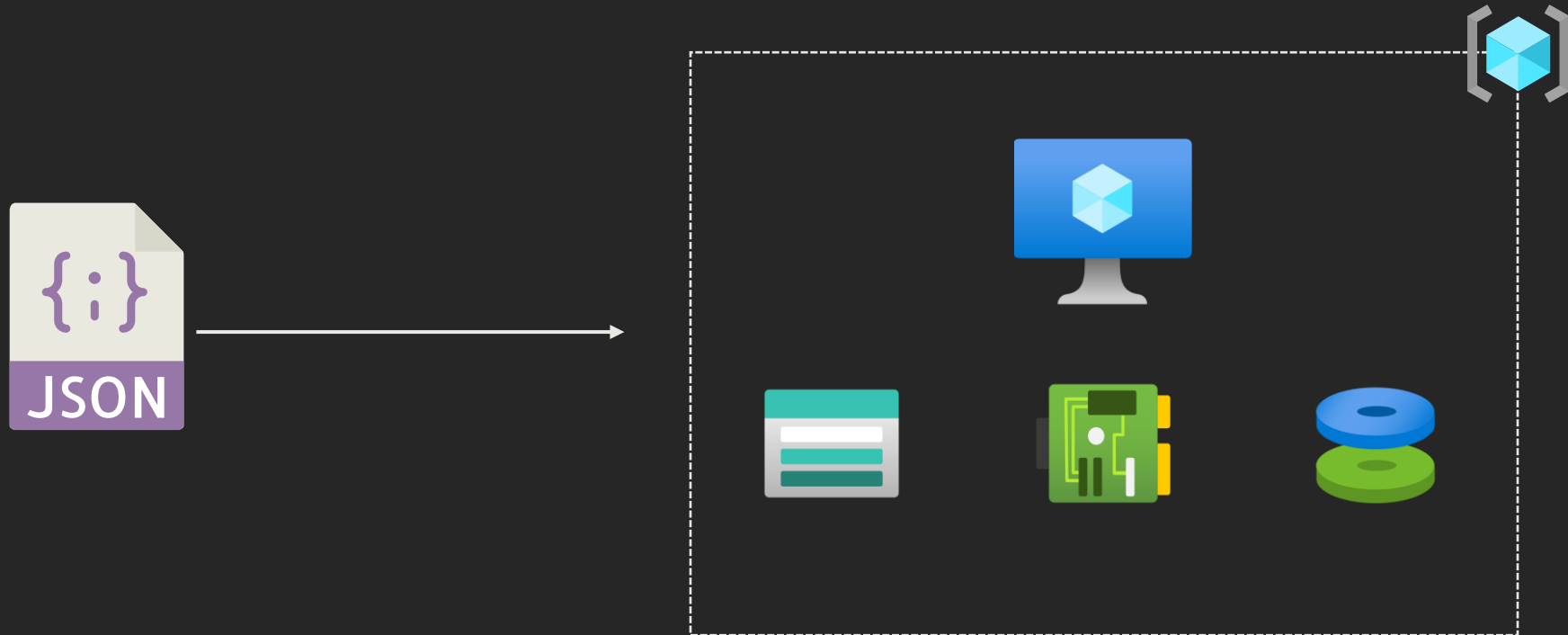
StefanIvemo



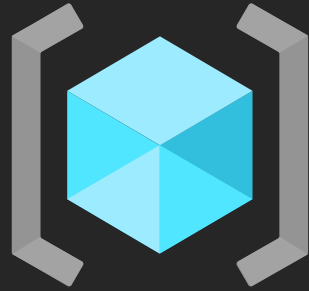
StefanIvemo



# Infrastructure as Code (IaC)

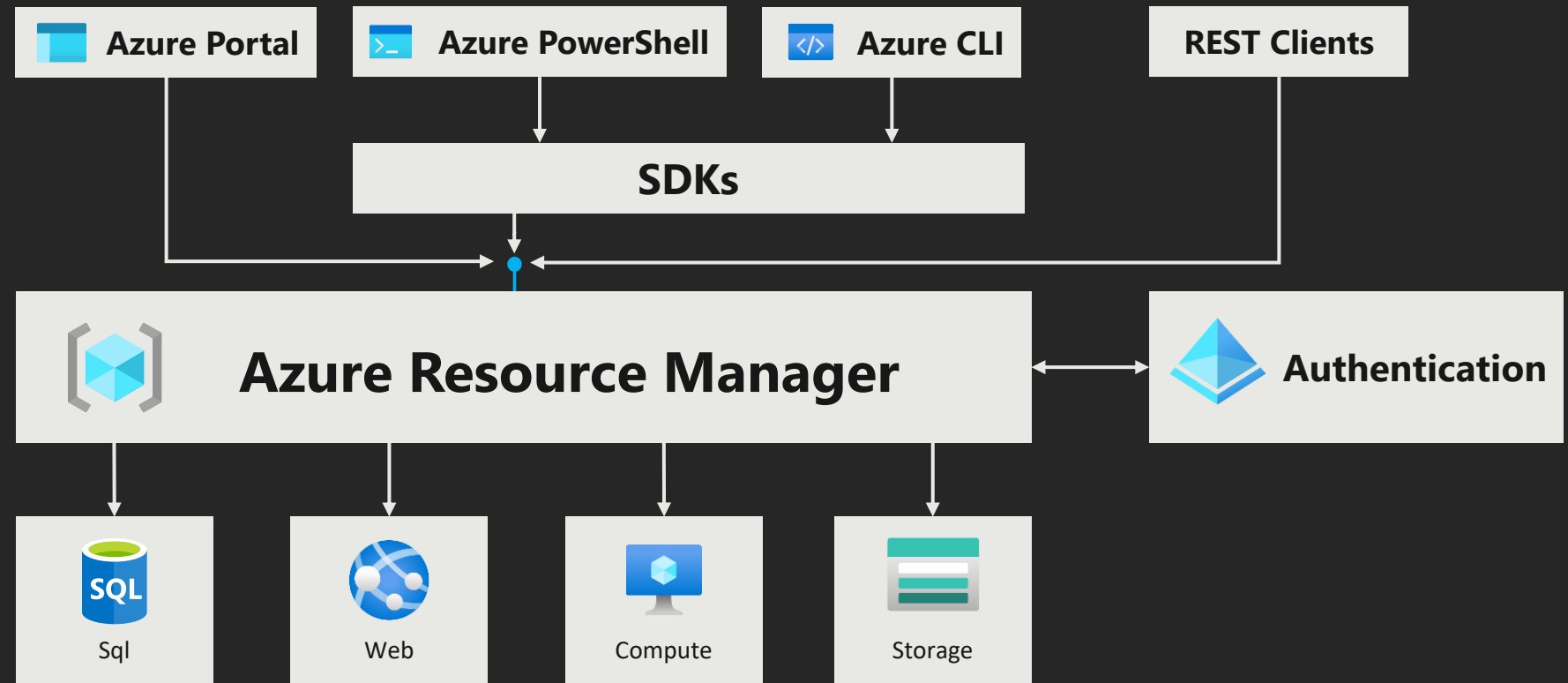


# Infrastructure as Code options

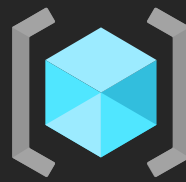


**CLOUDMAKER**  
think it. draw it. build it.

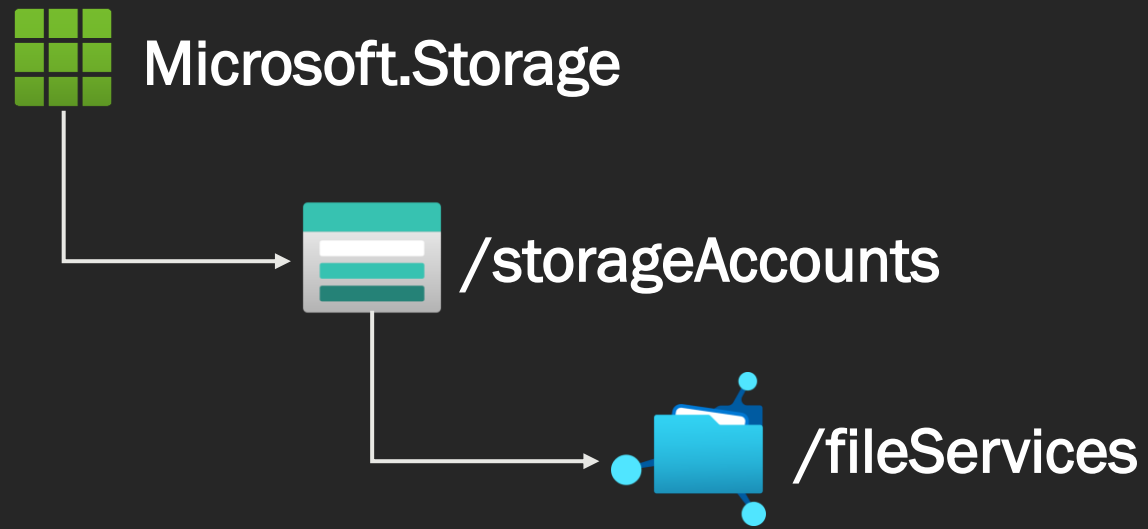
# Azure Resource Manager



# Azure Resource



# Resource Provider



```
"apiVersions": [  
    "2021-06-01",  
    "2021-04-01",  
    "2021-02-01",  
    "2020-01-01",  
    "2020-08-01-preview",  
    "..."  
]
```



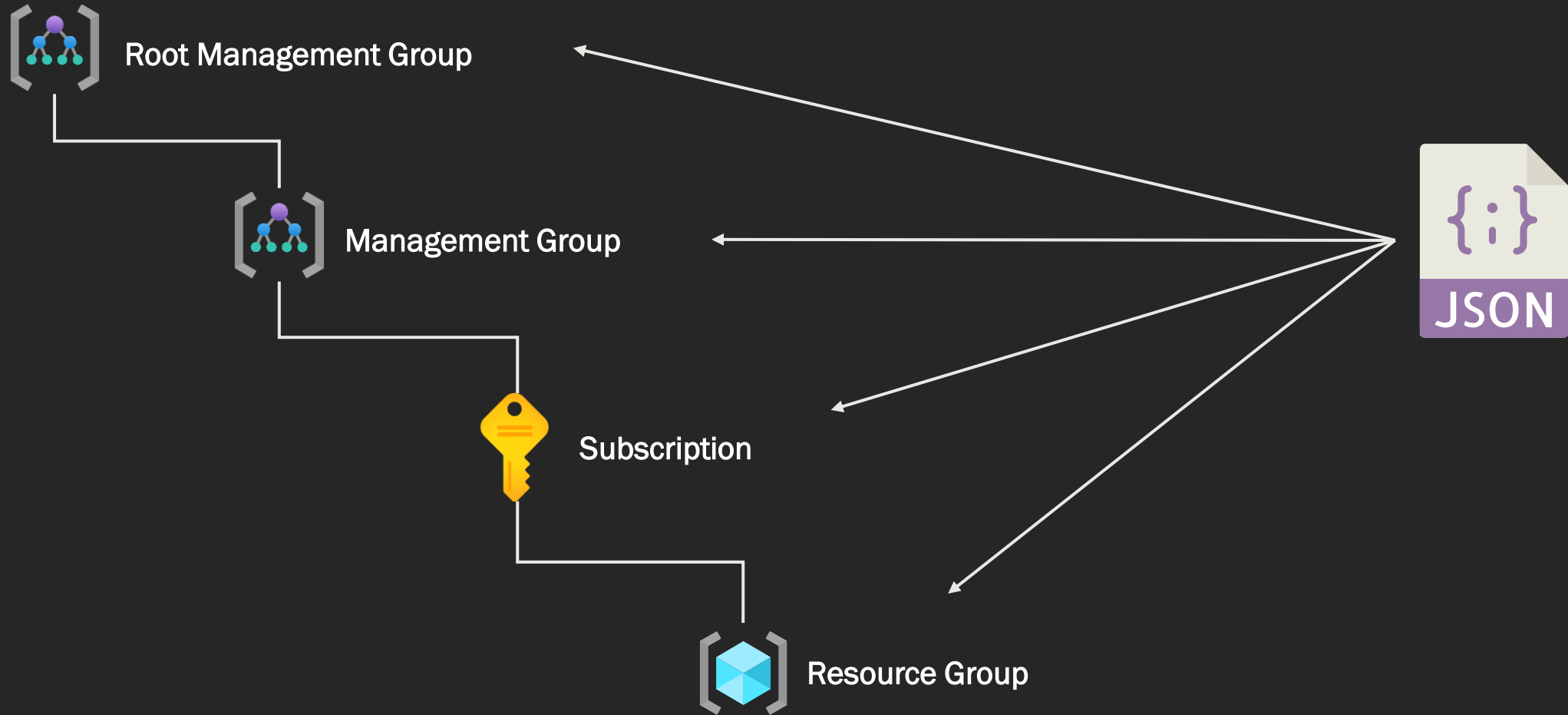
# Resource Provider APIs



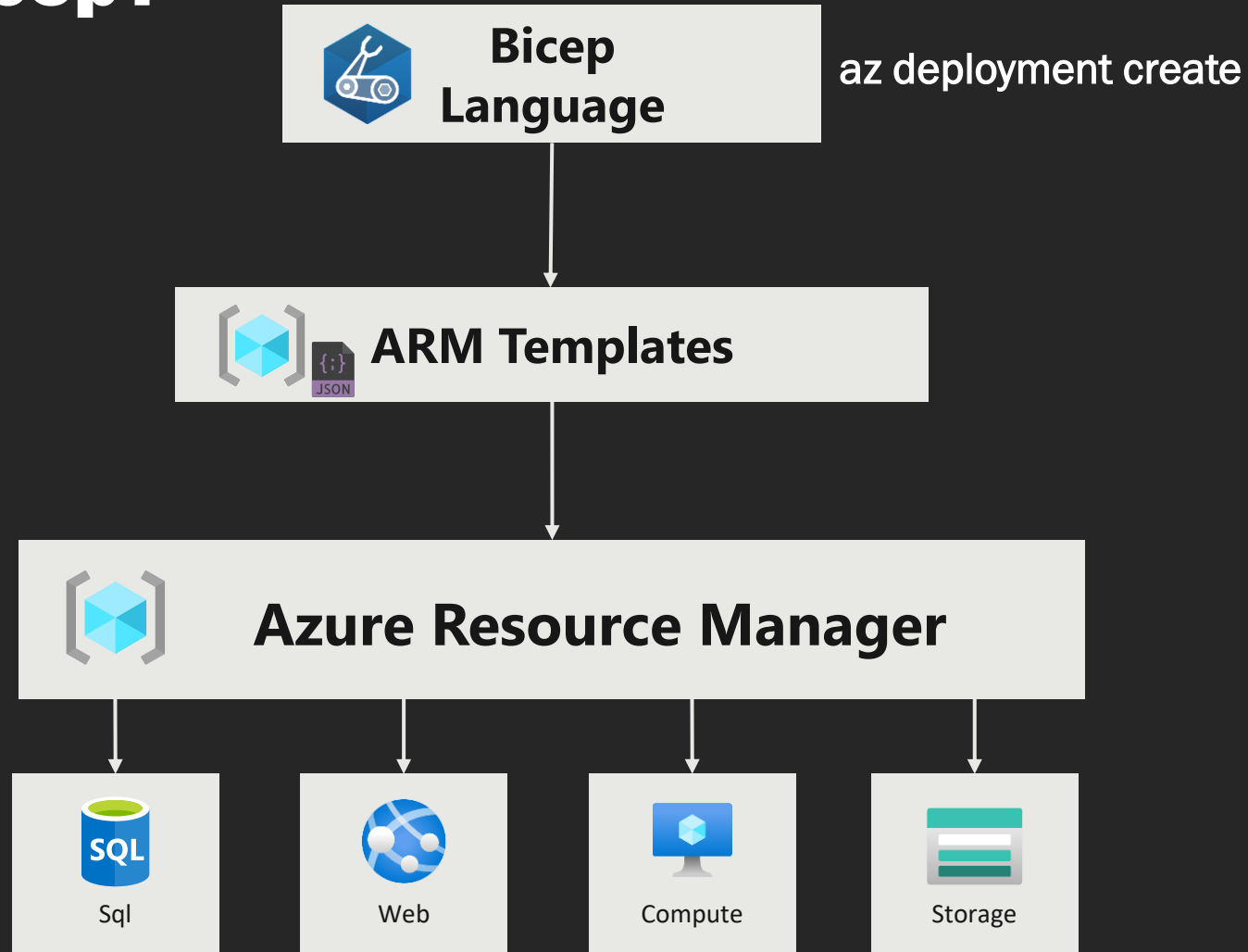
## Microsoft.Storage/storageAccounts

Name	<string> (Required)
Location	<string> (Required)
Sku	<object> (Required)
Kind	<string> (Required)
accessTier	<string>
minimumTlsVersion	<string>

# Deployment Scopes



# What is Bicep?



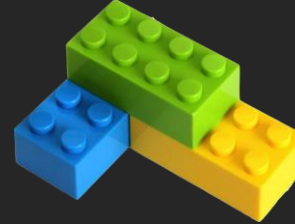
# Why should I use Bicep?



Simple syntax



Day Zero Support



Modular &  
Re-usable



Great support tools



No state management

# What tools are needed to get started?



Visual Studio Code +  
Bicep Extension




Bicep CLI

**Demo**

## Learn more:

 **MS Learn** - Deploy and manage resources in Azure by using Bicep.

 **MS Learn** - Build Azure infrastructure in a team environment by using Bicep

 **Bicep docs** – [aka.ms/Bicep](https://aka.ms/Bicep)

# Thank you!

Slides and templates:

<https://github.com/StefanIvemo/MSReactor>



StefanIvemo



StefanIvemo