



Strengthen your ARM using Bicep

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Who am I?



Technical Architect @ Advania – Knowledge Factory



Microsoft MVP - Azure



Bicep Core Maintainer



Creator of the Bicep PowerShell Module



Frequent contributor to docs.microsoft.com



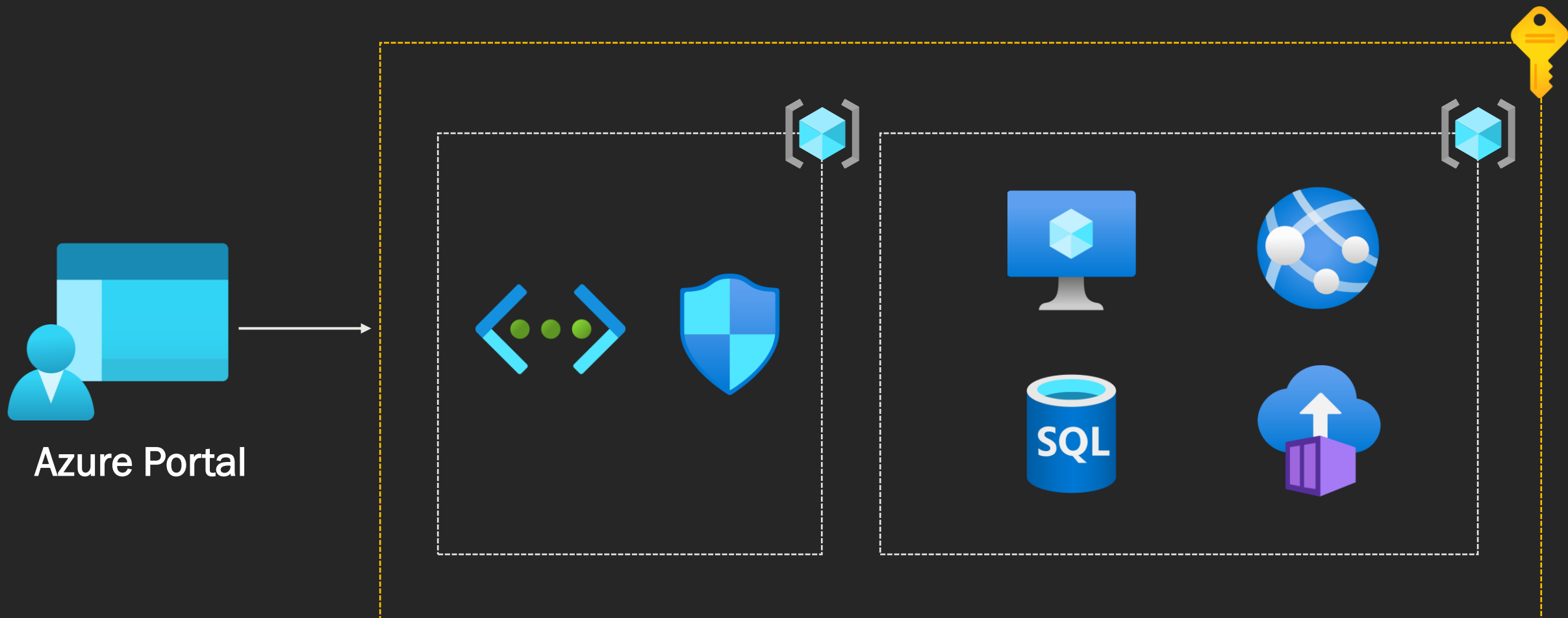
blog.ivemo.se



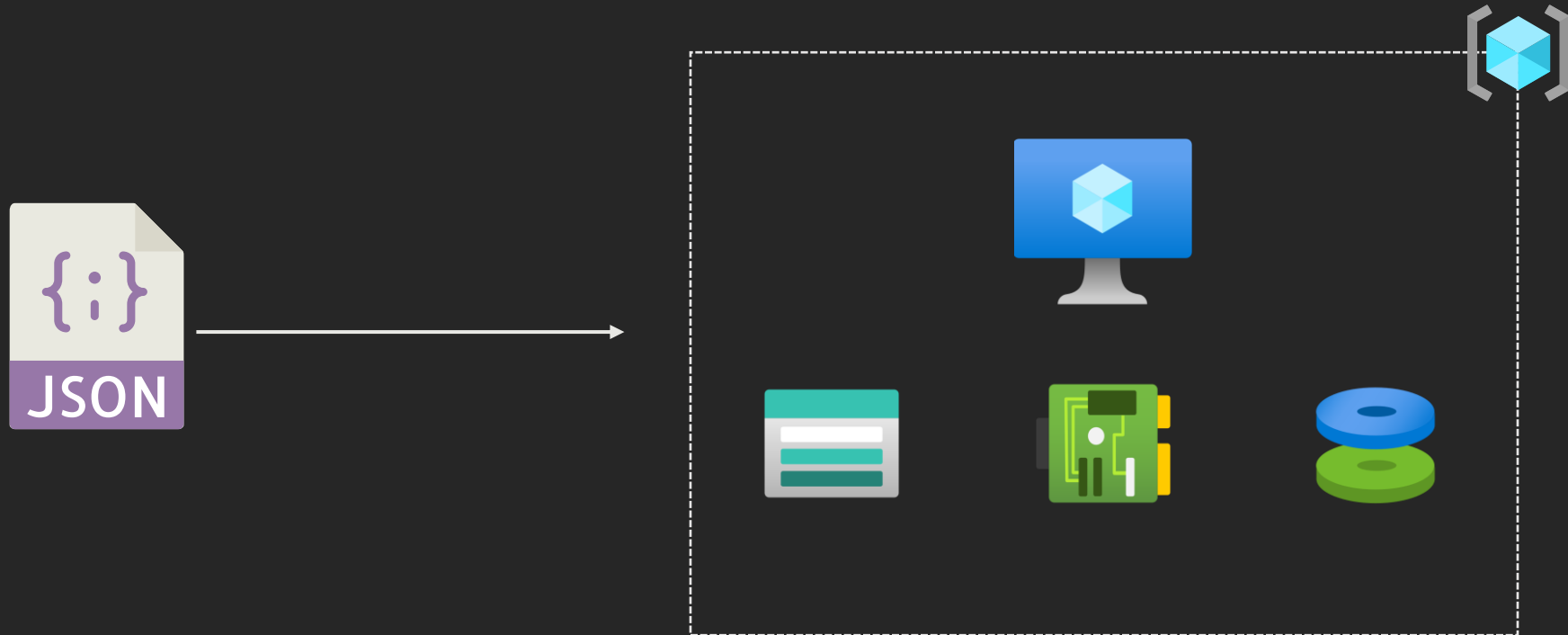
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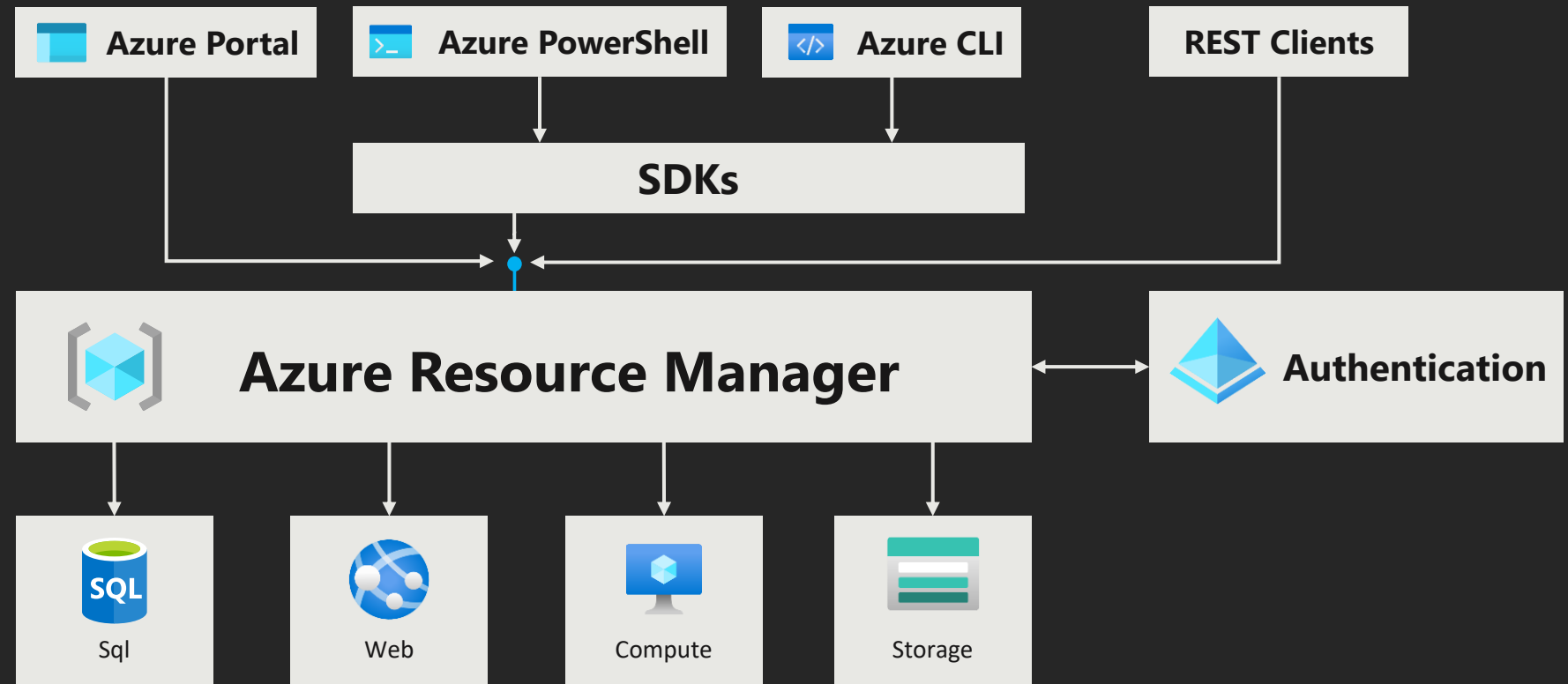
@StefanIvemo



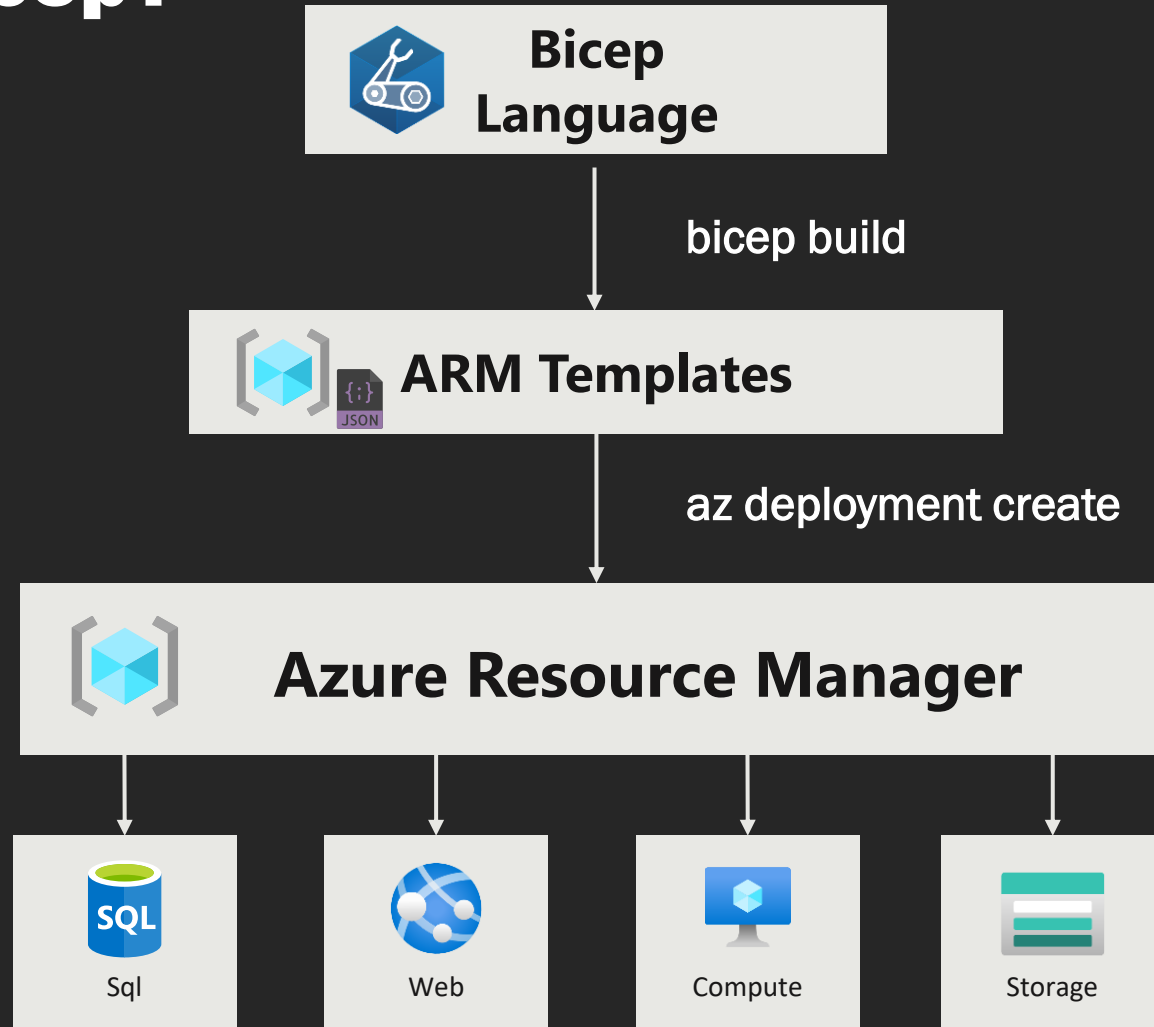
Infrastructure as Code (IaC)



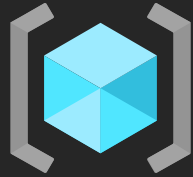
Azure Resource Manager



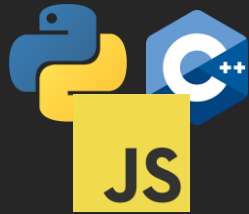
What is Bicep?



Why a new language?



Tried to improve existing ARM JSON language



Use a different programming language



Bicep Language

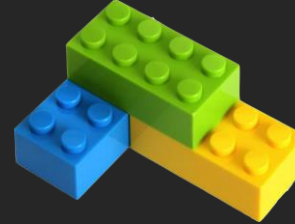
Why should I use Bicep?



Simpler 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

Future releases

NOVEMBER

v0.5

Public Registry

FEBRUARY

v1.0

Strict breaking change policy

Type updates separate from
core updates

Preview of Bicep extensibility

- K8s in January
- AAD in March

Passing resources between
modules

Learn Modules



Deploy and manage resources
in Azure by using Bicep



















Build Azure infrastructure in a
team environment by using
Bicep

[Code](#) [Issues 672](#) [Pull requests 59](#) [Discussions](#) [Actions](#) [Projects 2](#) [Wiki](#) [Security](#) [Insights](#)[main](#) 100 branches 20 tags

Go to file

Add file

Code

	anthony-c-martin and Bicep Automation Improve parser handling of single-line arra... d7a7438 2 days ago 2,643 commits
	.config Update suppression file (#2869) 5 months ago
	.github Bump actions/setup-node from 2.4.0 to 2.4.1 (#4617) 24 days ago
	.pipelines Fixed ADO build break (#3601) 3 months ago
	.vscode Various perf fixes to minimize linter CPU impact (#3852) 3 months ago
	Formula Bump Homebrew to the current release (#4569) 27 days ago
	docs Linter rule to use stable VM image (#4883) 3 days ago
	scripts Persist description Hovers across Module outputs and parameters (#4446) last month
	src Improve parser handling of single-line array/object (#4956) 2 days ago
	.editorconfig msbuild task and cli nugets (#1992) 7 months ago
	.gitattributes Functions to include file's content as string or entire file as base64 (4 months ago
	.gitignore Add a codex for BCP035 (#4570) 24 days ago
	.gitmodules Switched from submodule to type nugets (#987) 11 months ago
	Bicep.sln added acr client fork (#4002) 2 months ago
	Bicep.sln.DotSettings Parse errors no longer spill over multiple new lines (#77) 16 months ago
	CODE_OF_CONDUCT.md Initial CODE_OF_CONDUCT.md commit 2 years ago

About

Bicep is a declarative language for describing and deploying Azure resources

[arm-templates](#) [bicep](#) [arm-json](#)[Readme](#)[MIT License](#)

Releases 12

 **v0.4.1008** Latest
9 days ago

+ 19 releases

Contributors 97



+ 86 contributors

<https://github.com/Azure/bicep>

Thank you!

Slides and templates:

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

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