Azure Dev Day

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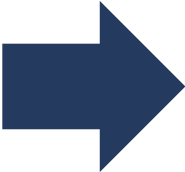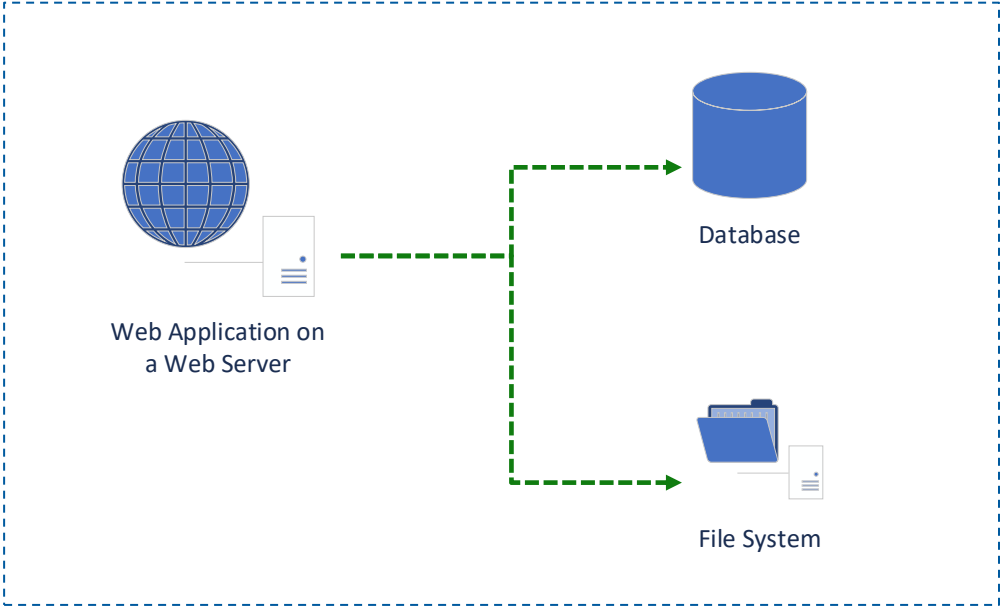
⚹ https://github.com/walidamro-msft

Web Solutions

Building resilient web, mobile and API apps with Azure App Service

1

On-Premises Web Application

Web Application on
a Web Server

Database

File System

Azure App Service

Azure App Service
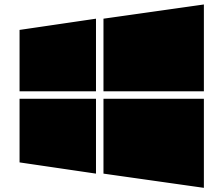
Azure Database

Azure Blob
Storage
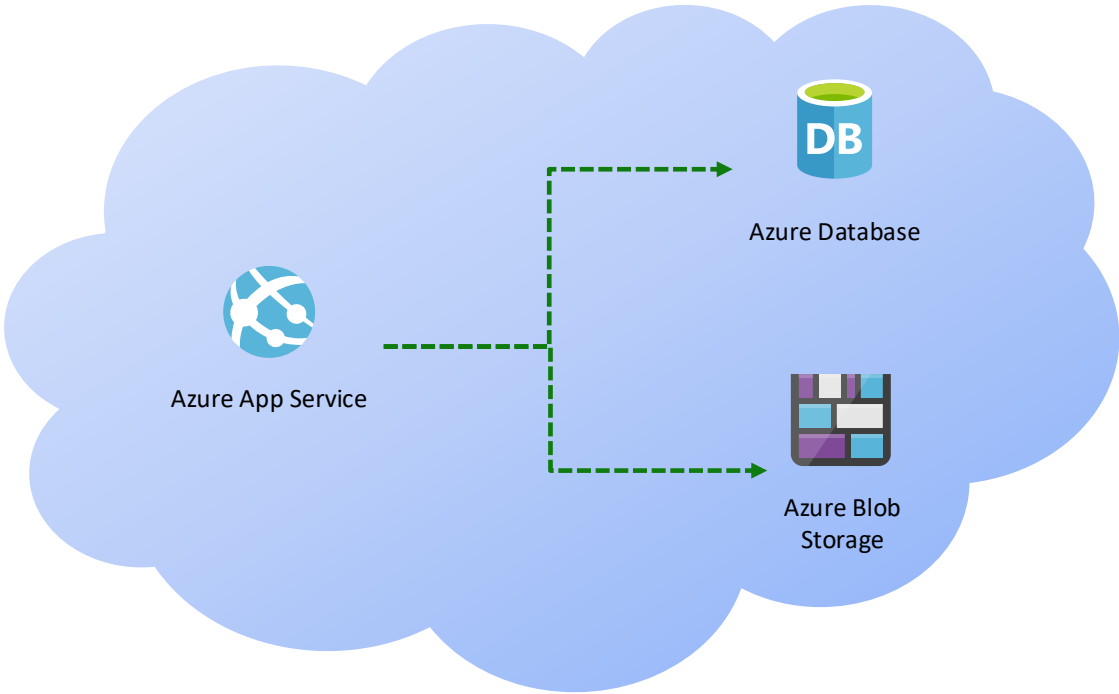
What is Azure App Service?

Fully Managed Service

Built-in Infrastructure Maintenance
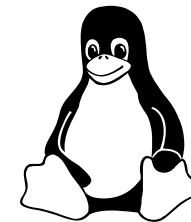
PaaS
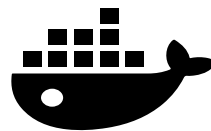
Web Sockets

Security Patching

Scaling

Web Apps

REST API's

Load Balancing

Automated Deployments

Monitoring

Why App Services?

Supports Multi-Programming Languages

Global High Scalability
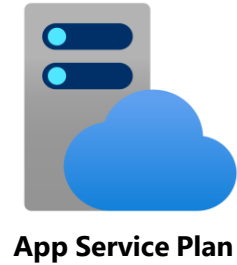
Rapid Deployment

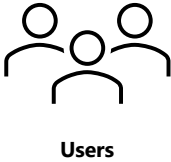**Security & Compliance**

High Availability

Consumption Based

Agile Environment

How does it Work?

Hardware
ACU/vCPU
Memory
Storage

Operating Systems
Windows
Linux

Features
Custom Domains
Autoscale
Staging Slots
Daily Backups
Traffic Manager
Single Tenant System
Isolated Network
Private App Access

App Service Plan

Available Specs
Dev/Test
Production
Isolated

Java 7 (1.7.0_292)
Tomcat 9.0.38
Front-end Website

App Service

https://test1.azurewebsites.net

ASP.NET 3.5
IIS
Front-end Website

App Service

https://test2.azurewebsites.net

ASP.NET Core 3.1
IIS
Middle-tier API

App Service

https://test3.azurewebsites.net

Python 3.6
IIS
Middle-tier API

App Service

https://test4.azurewebsites.net

Users
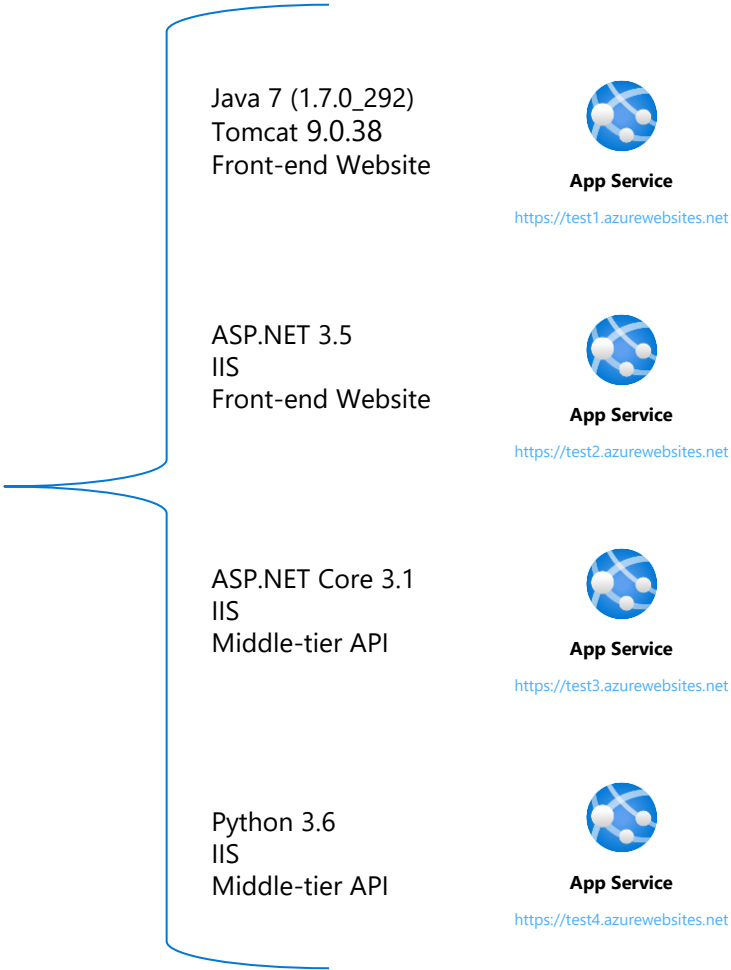
App Services Supported Programming Languages

App Service Plan

Windows

App Services

.NET Core, .NET, Java, Node, Python, and PHP

Core   .NET

Linux

App Services

.NET Core, Java, Node, Python, PHP, and Ruby

Core
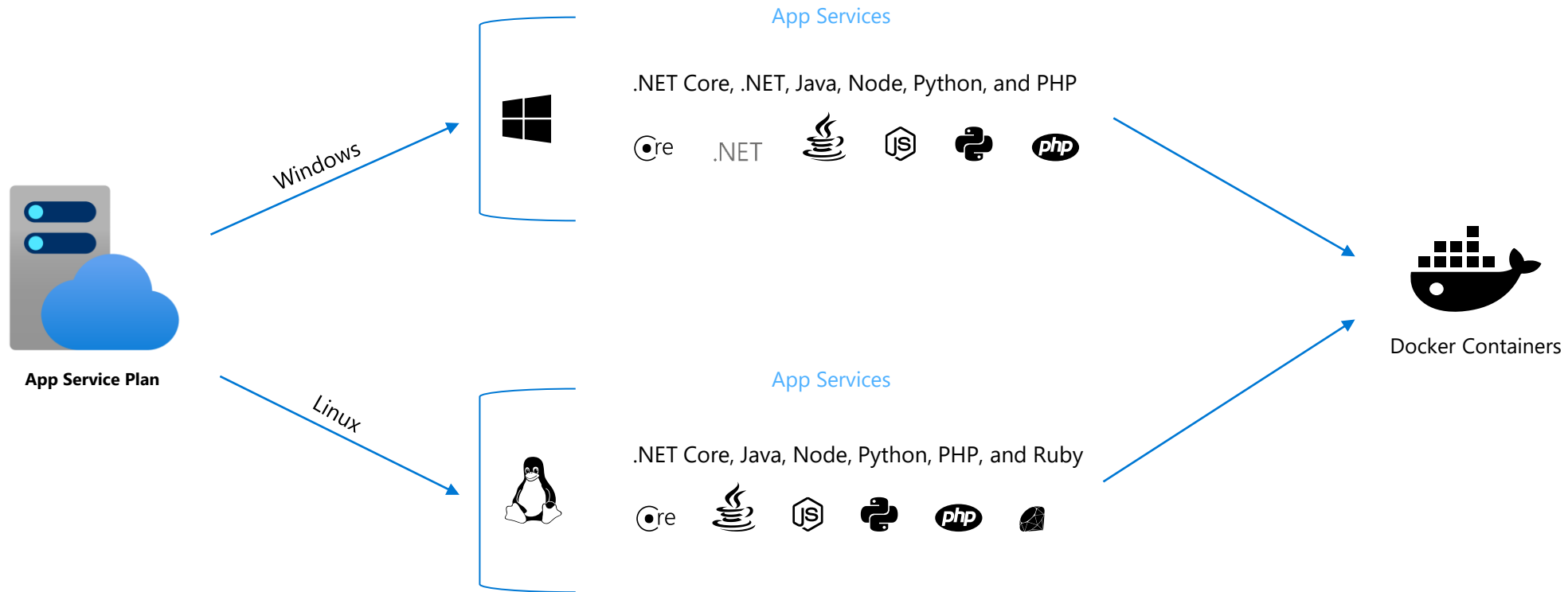
Docker Containers

Optimized for DevOps and Continuous Integration and Deployments

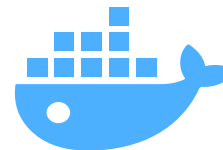Azure DevOps GitHub Local/External Git Bitbuket OneDrive Dropbox FTPS
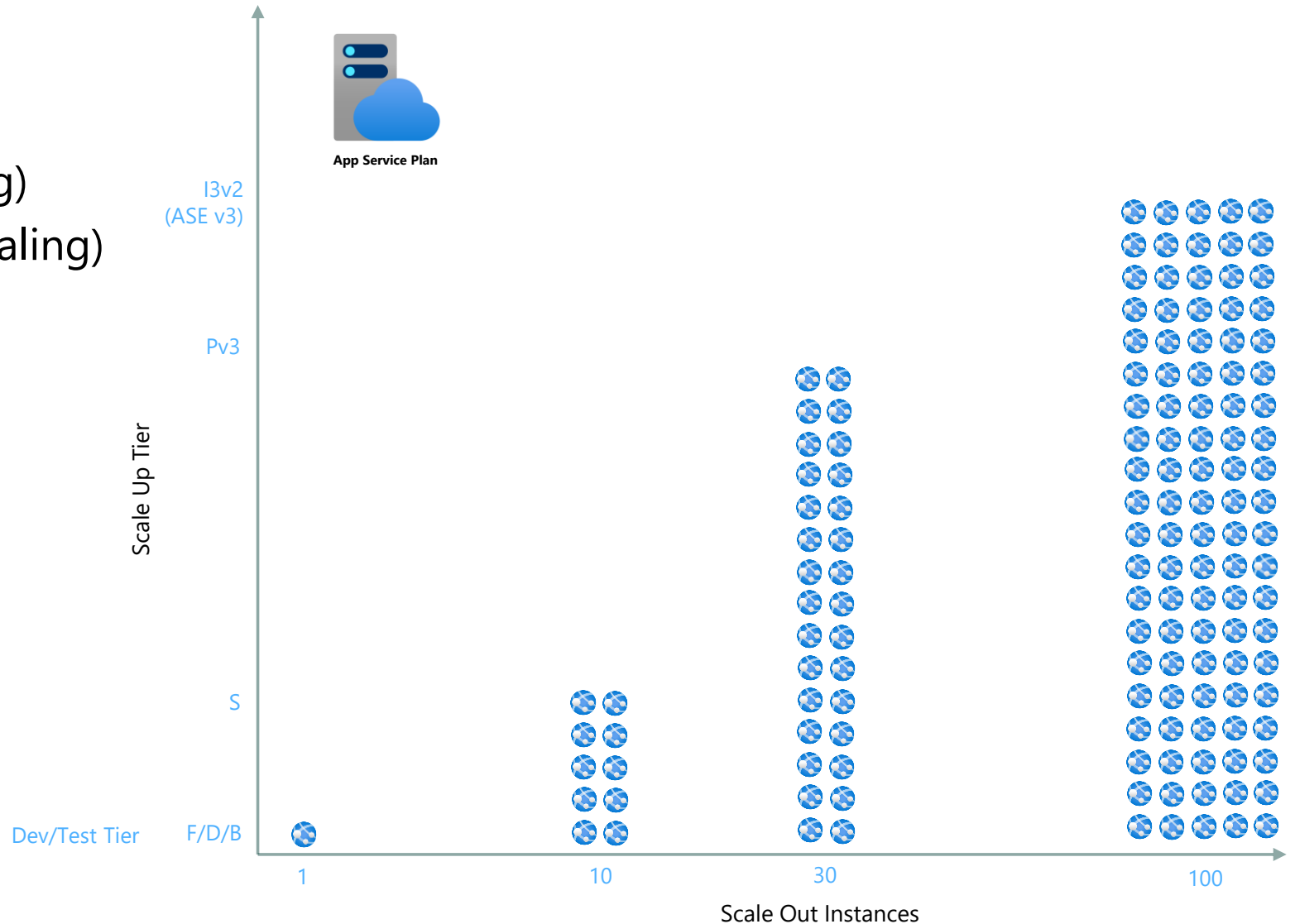
Azure Container Repository Docker Hub

High Availability and Scalability

- **99.95%** SLA
- Scaling Up (Vertical Scaling)
- Scaling Out (Horizontal Scaling)
  - Manual Scale
  - Custom Autoscale

App Service Plan

I3v2
(ASE v3)

Pv3

S

Dev/Test Tier   F/D/B

Scale Up Tier

1   10   30   100

Scale Out Instances

Other App Service Features
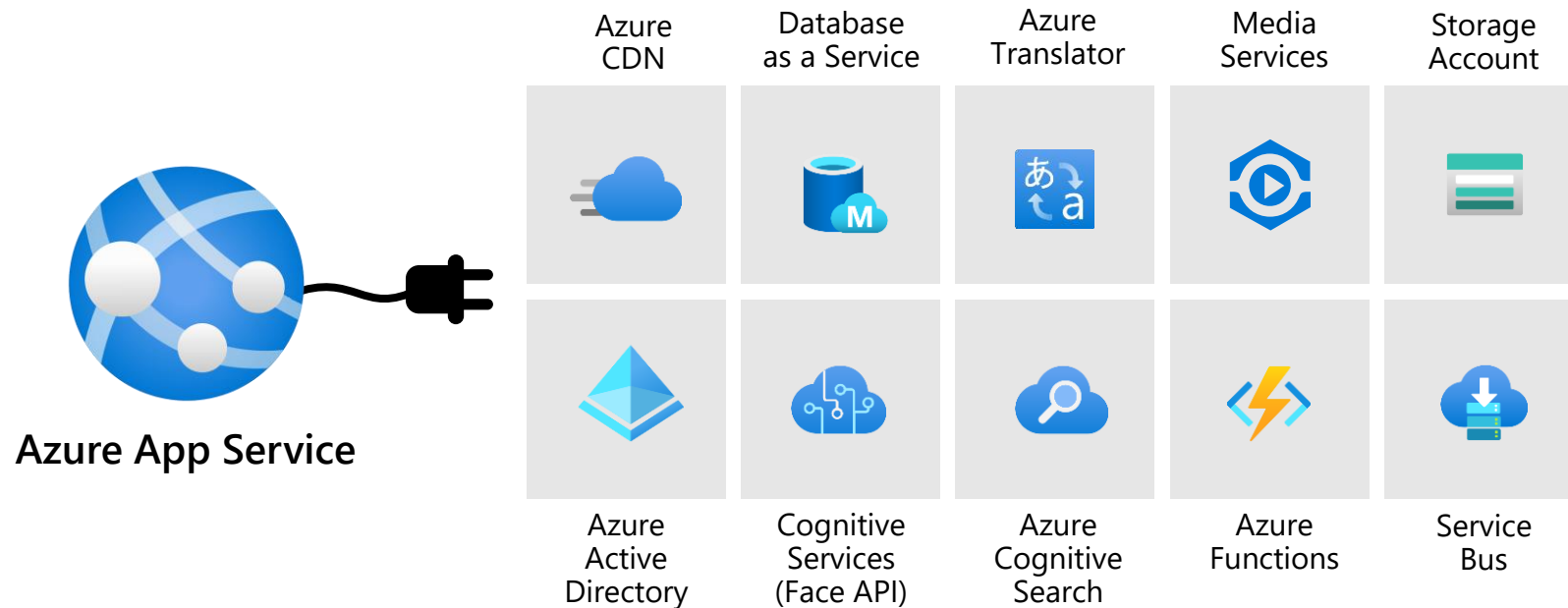
Identity Providers

Visual Studio Integration

CORS

Hybrid Connections

Push Notifications

Deployment Slots

Easy Backups

Easily Extend your Application's Capabilities

Azure App Service

Azure CDN	Database as a Service	Azure Translator	Media Services	Storage Account
Azure Active Directory	Cognitive Services (Face API)	Azure Cognitive Search	Azure Functions	Service Bus

What's Next?
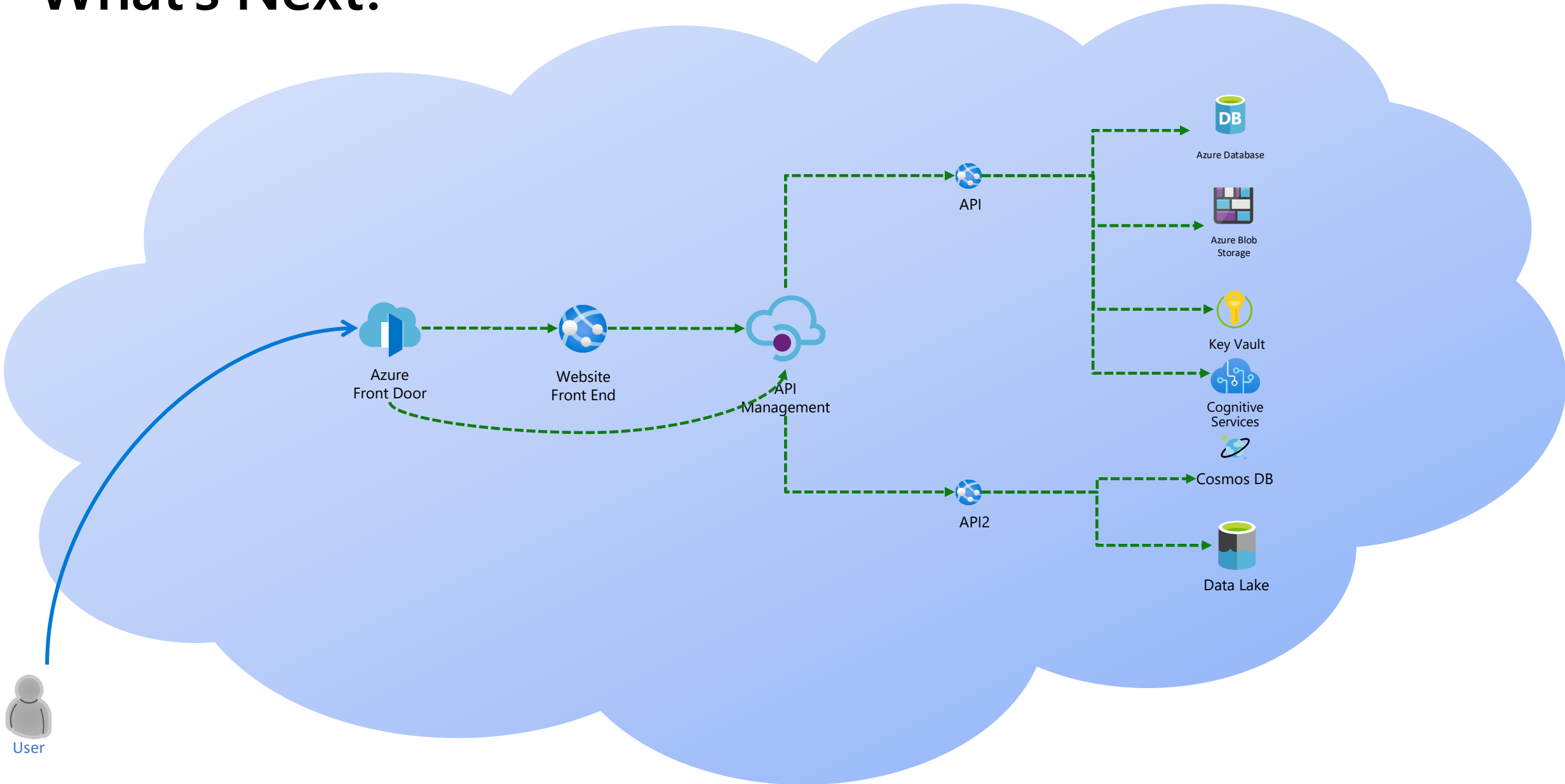
Web Solutions Lab

Azure Dev Day

Azure App Service

Azure SQL Database

https://aka.ms/azuredevdaylabs

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