

About Me





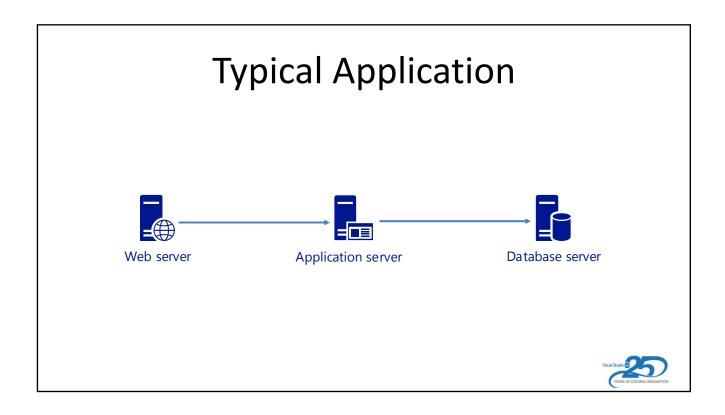
eric.boyd@responsiveX.com

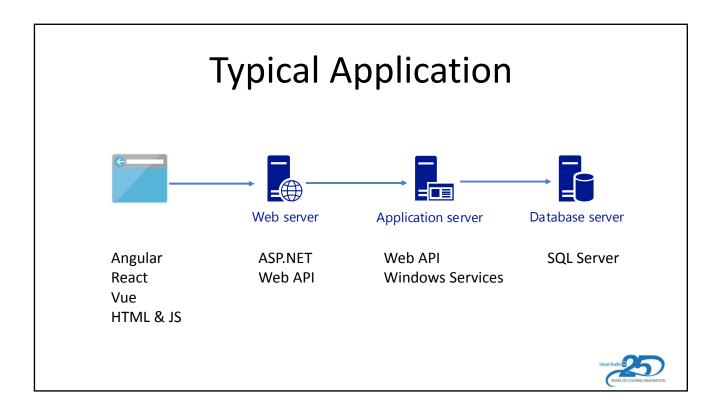












CONTACT MANAGER



The Microsoft Cloud

Office 365 Dynamics 365 Azure



Breaking down Azure

ADVANCED ANALYTICS

INTERNET OF THINGS

DATA

SERVERLESS

APP PLATFORM

CLOUD INFRASTRUCTURE

Cognitive Services, Machine Learning, Databricks

IoT Hub, IoT Edge, Sphere

Storage, SQL DB, Cosmos DB, Search

Functions, Logic Apps, Event Grid

App Service, Service Fabric, Kubernetes Service

Virtual Machines, Virtual Networks



...you can lease a car and take care of maintenance



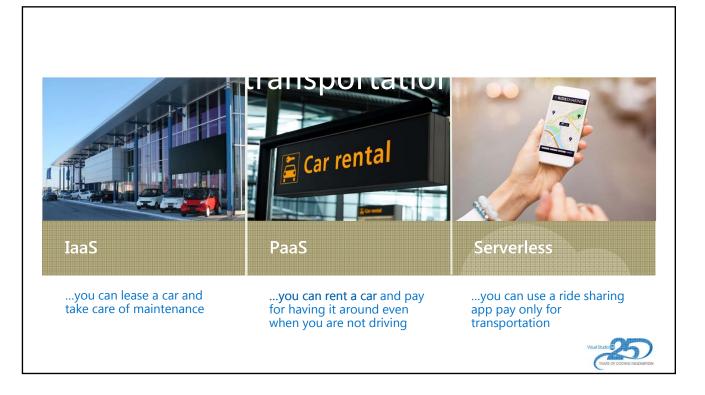
Visual Studio Live! San Diego 2018

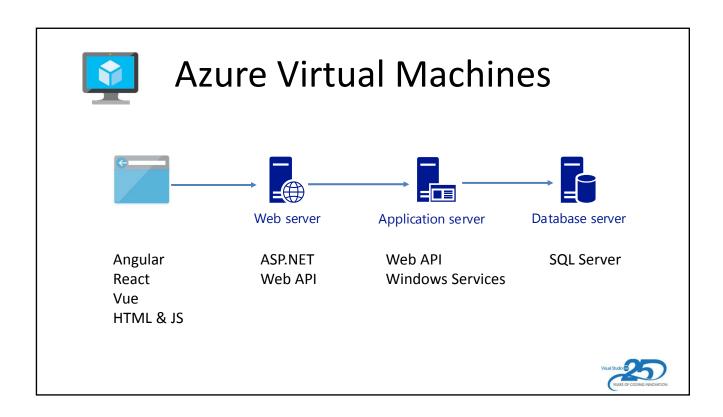


...you can lease a car and take care of maintenance

...you can rent a car and pay for having it around even when you are not driving







AZURE VIRTUAL MACHINES



Where Should I Store Data?











Virtual Machine

SQL Database

Storage Blobs & Files

Cosmos DB

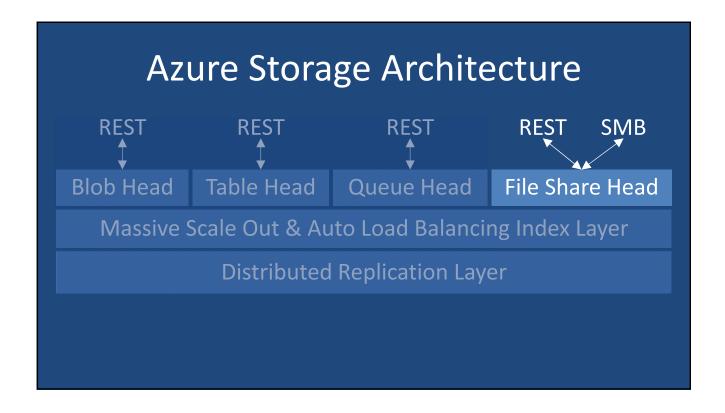
Redis Cache



Demo

AZURE SQL DB

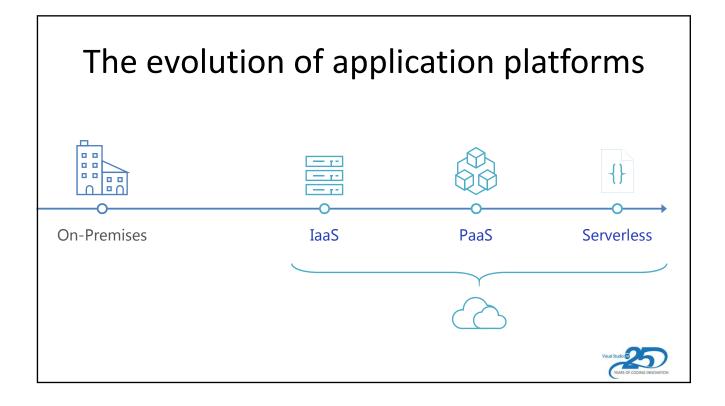




AZURE STORAGE









Azure Virtual Machines

- **Pros**
 - Simple to migrate
 - Same model as your data center
 - Outsourced hardware
 - Virtualization and abstraction over specific hardware
- Cons
 - Not a huge value, other than outsourced hardware
 - Still have to patch, still have to manage HA
 - Still have to configure OS and App Servers



Where Should My App Run?

IaaS

Virtual Machine







PaaS

laaS + PaaS



Containers

Serverless FaaS



Functions





AZURE APP SERVICE



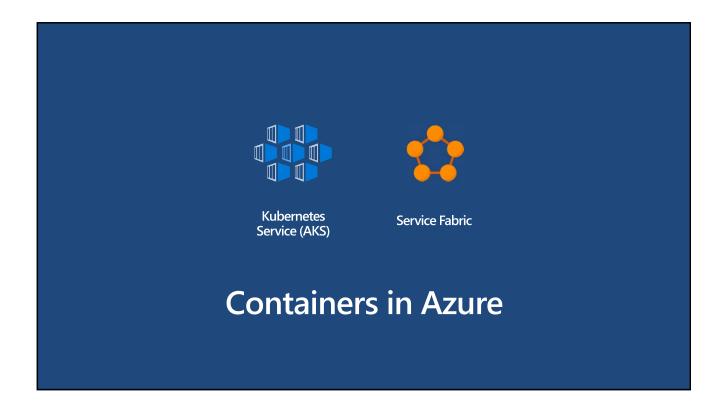
Demo

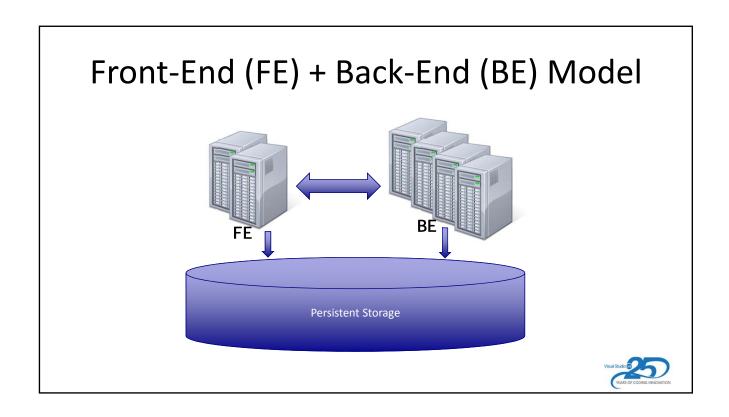
AZURE APP SERVICE WEBJOBS

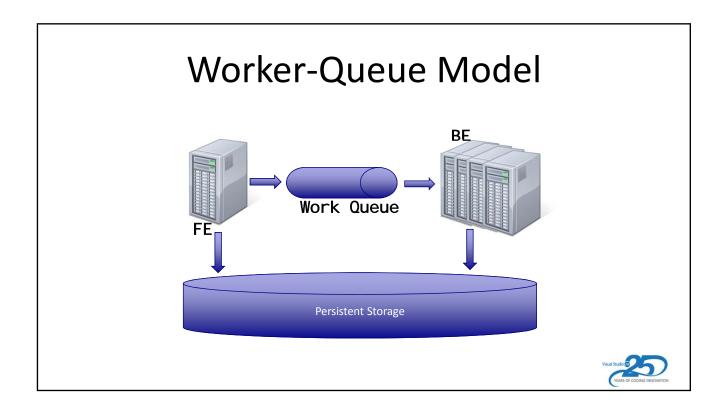


AZURE FUNCTIONS



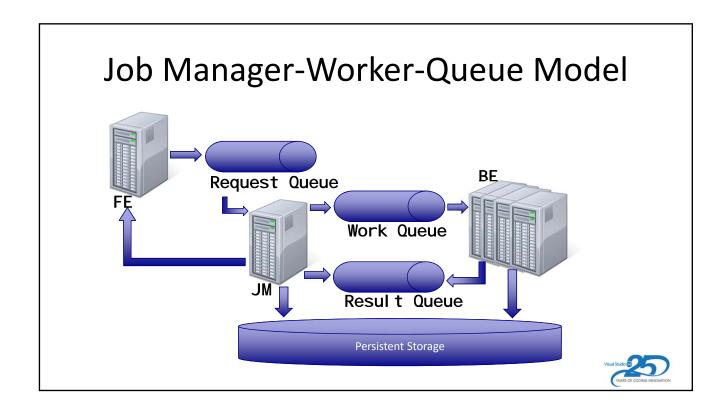


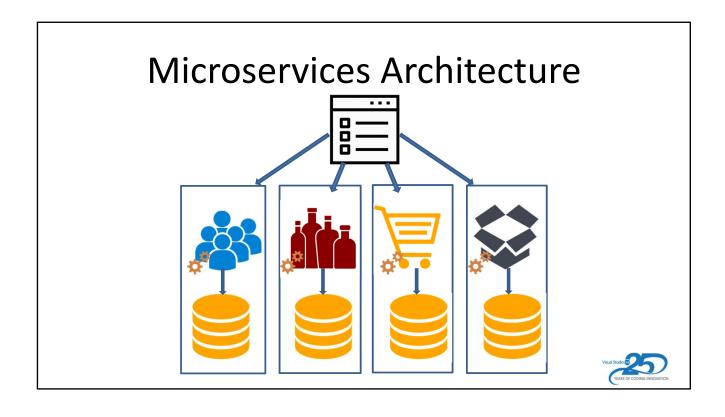




AZURE QUEUES

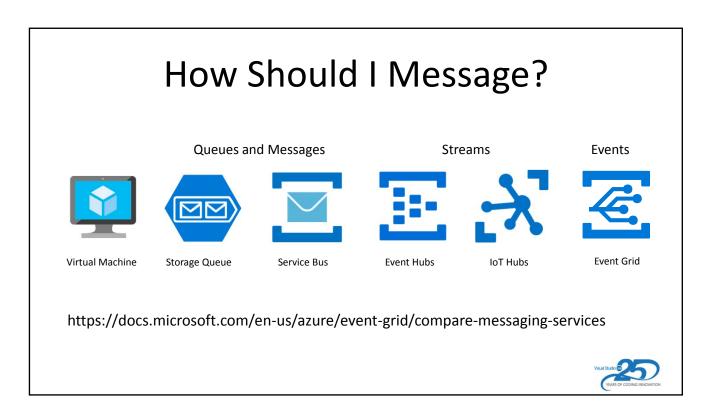


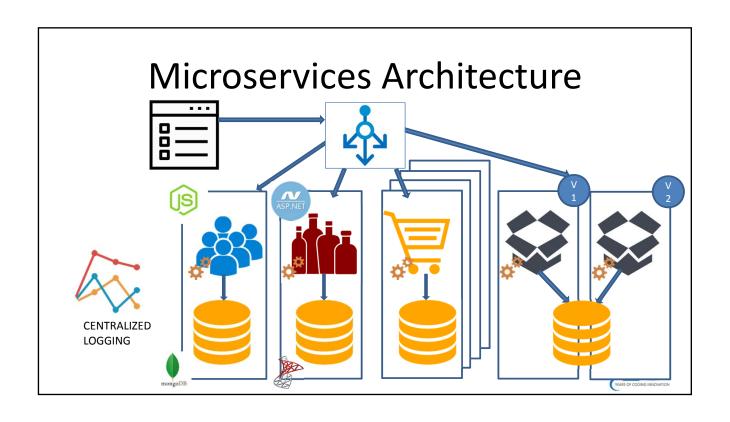




AZURE SERVICE BUS







AZURE API MANAGEMENT



Summary

- Take advantage of the massive set of resources at your fingertips. Don't just VM it.
- Design your apps with performance, scalability and maintainability in-mind.
- Use the right tool, for the right job.



Questions



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