

Getting Started with Azure Development



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Introduction



Software development in the cloud

Setting up your environment

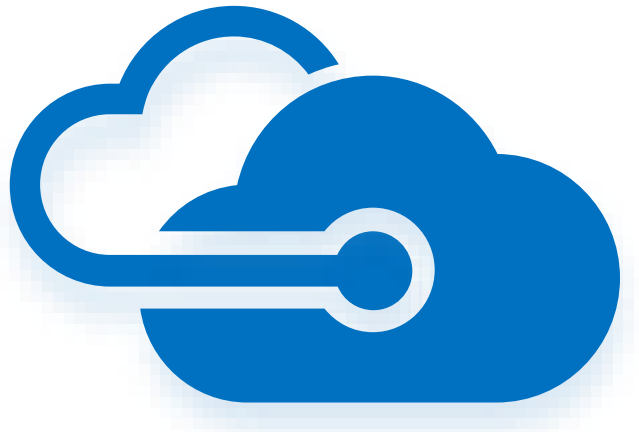
Demo



Software Development in the Cloud



The Magic of the Cloud

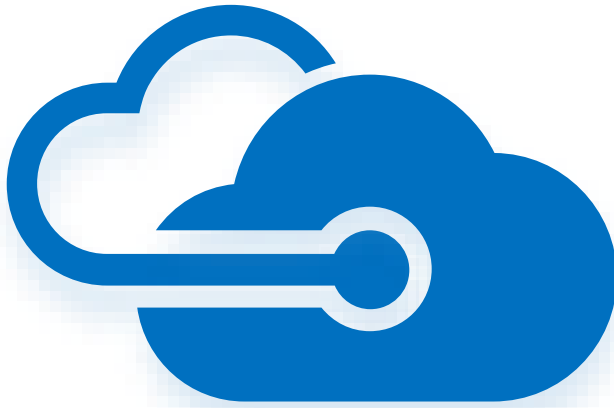


Microsoft Azure

- Ease of use
- Scalability
- Pay for what you use



The Magic of the Cloud



Microsoft Azure



IaaS

Infrastructure-as-a-Service
VM's, Storage, Networks



PaaS

Platform-as-a-Service
App Services, SQL Azure



SaaS

Software-as-a-Service
Office 365



The Magic of the Cloud



Microsoft Azure



IaaS

Infrastructure-as-a-Service
VM's, Storage, Networks



PaaS

- Application platform
- Integration
- Business Process Management

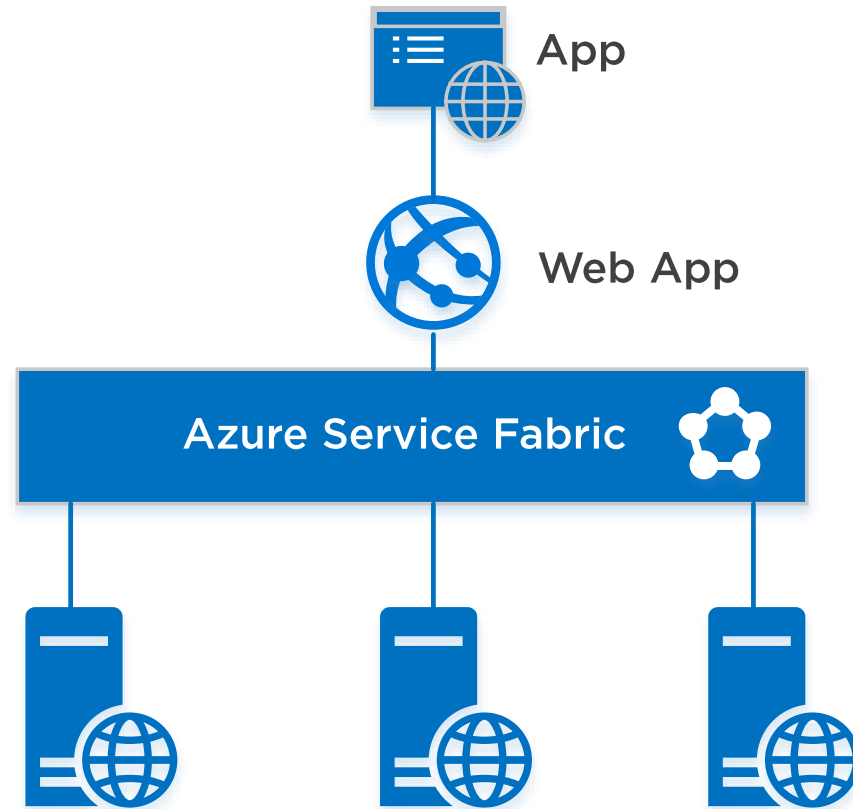


SaaS

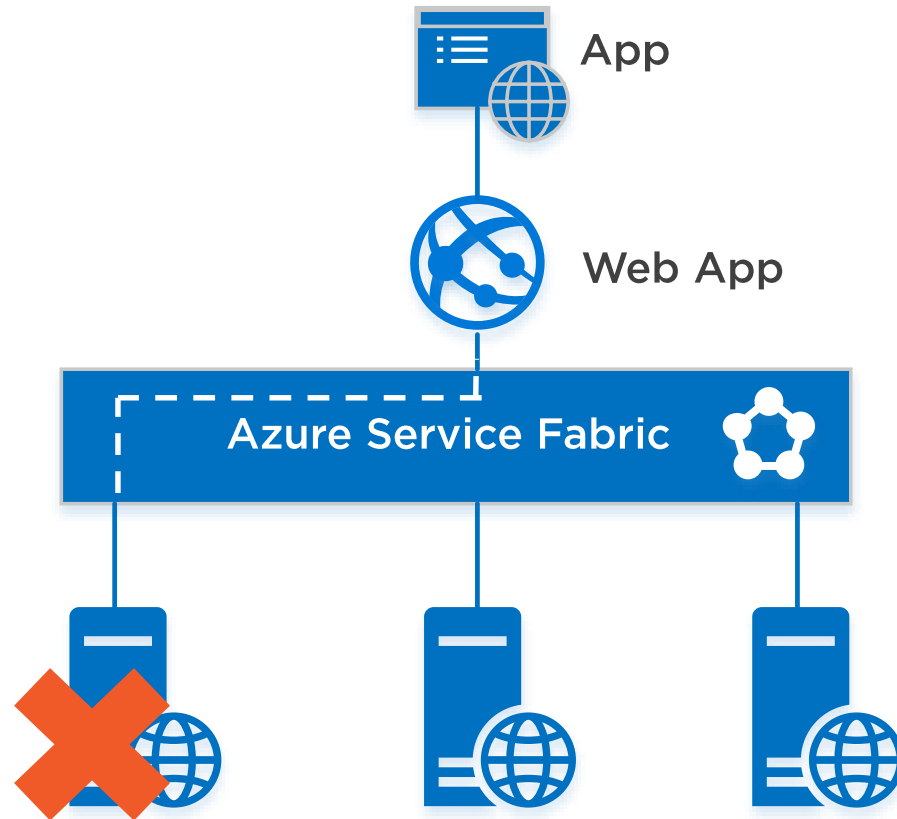
Software-as-a-Service
Office 365



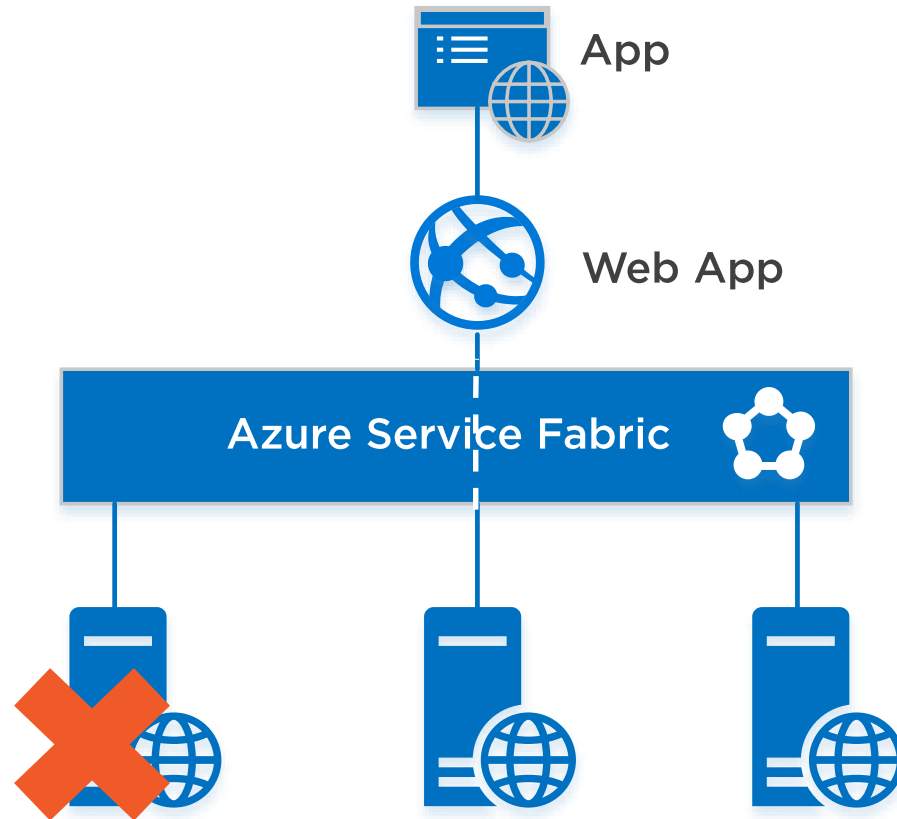
1. Resources Are Volatile



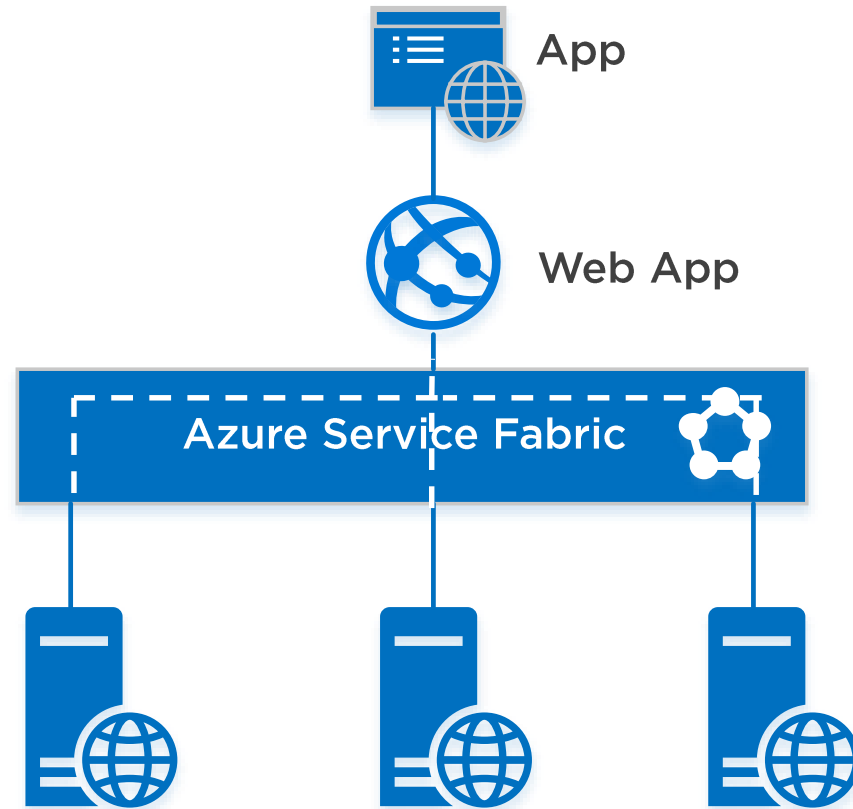
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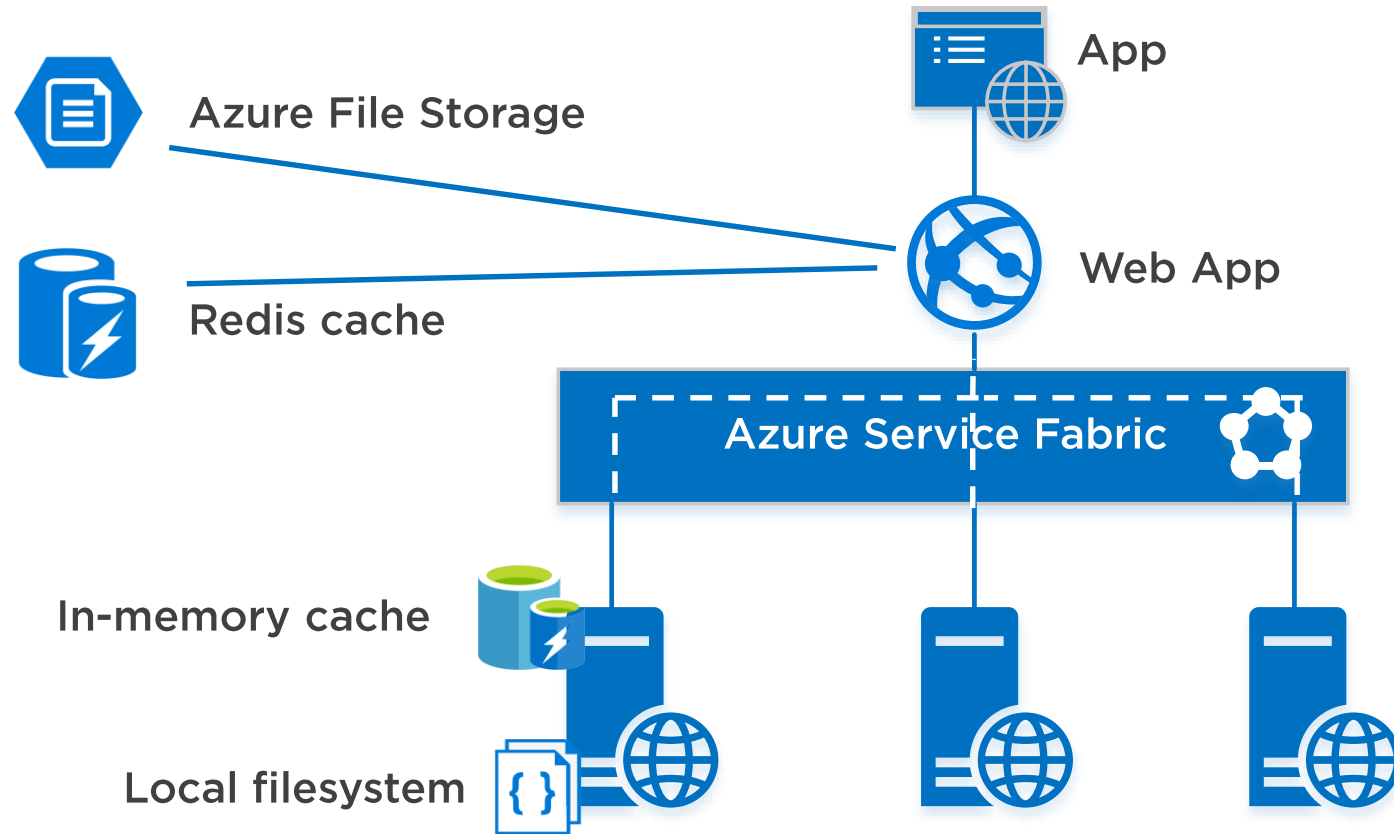
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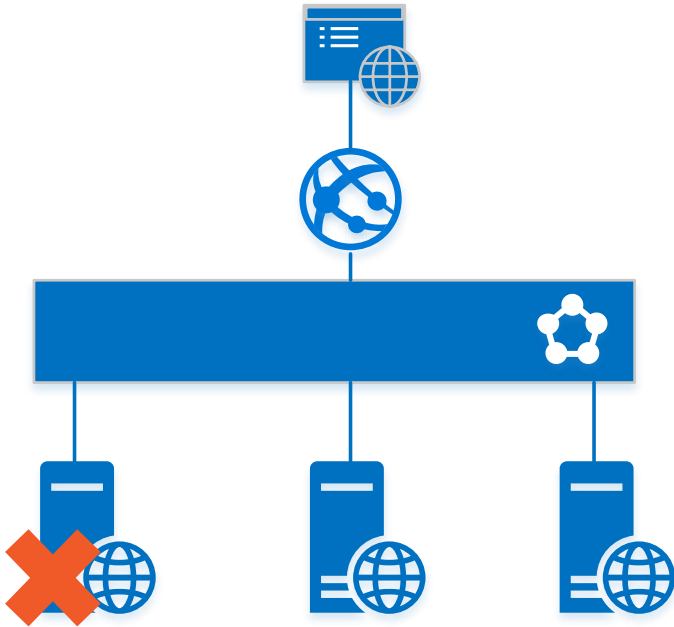
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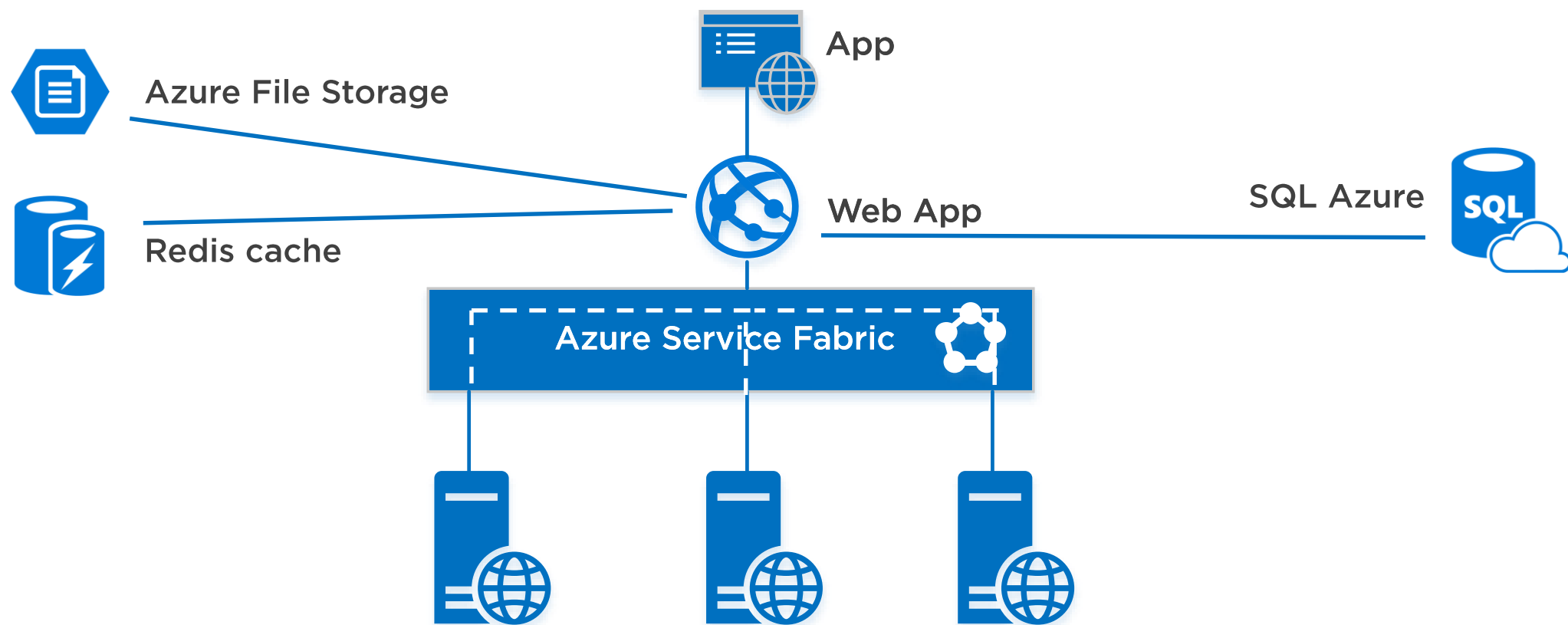


Assume that the underlying machine will change

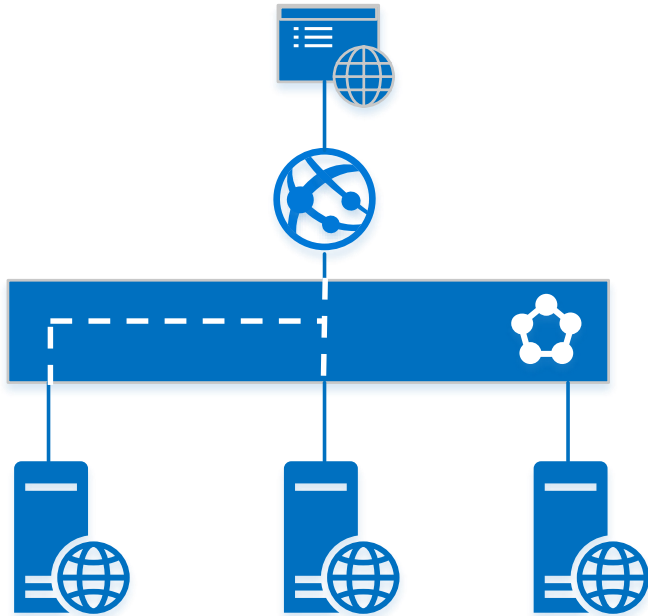
Retry

Don't use local resources

2. Resources Are Scalable



2. Resources Are Scalable



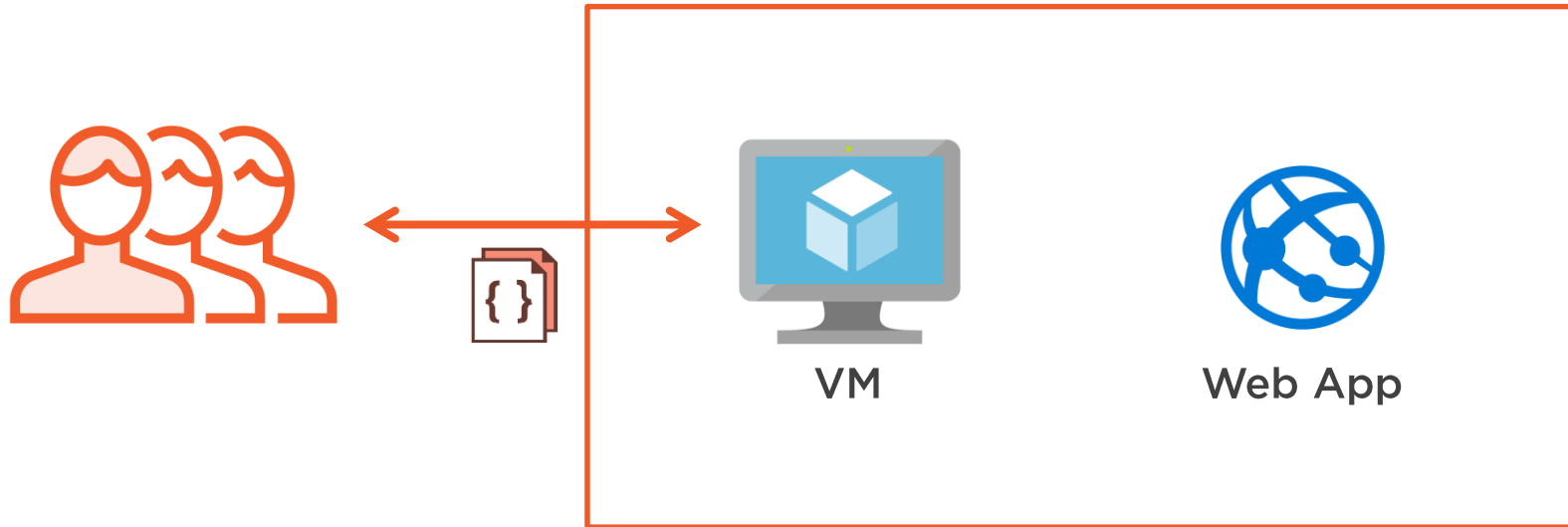
Put state outside of your App

Don't use local resources

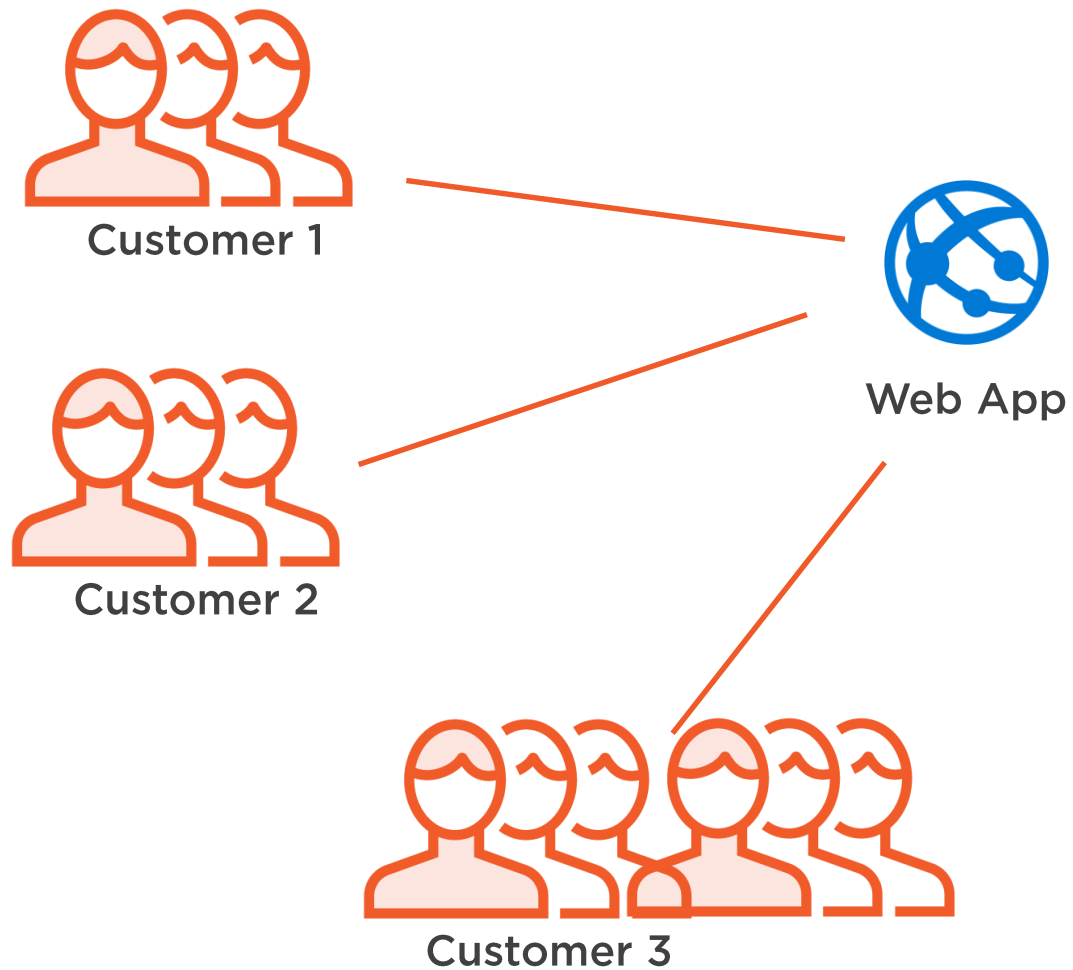
Assume multiple machines

Scale down!

3. Resources Cost Money



3. Resources Cost Money



3. Resources Cost Money



Scale down

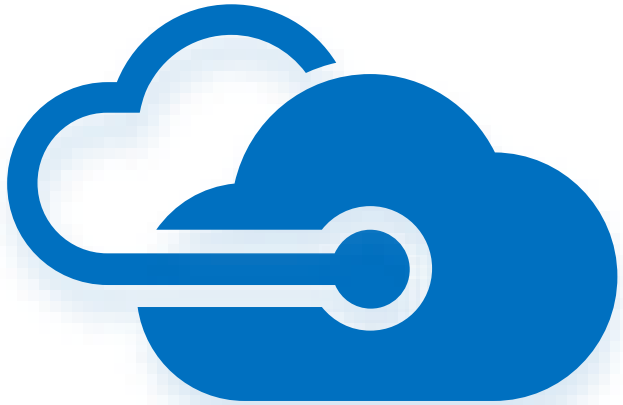
Turn off

Develop with cost in mind

Measure



4. Obvious Things



The cloud is different

- Deploy and fail fast

You need internet!

Troubleshooting is different

Setting up Your Environment



Minimum Setup for Developing for Azure



Internet



Computer



Visual Studio



Azure SDK



Azure Subscription



Minimum Setup for Developing for Azure



Internet



Computer



Visual Studio



Azure SDK



Azure Subscription



Local computer



VM in Azure or somewhere else



Azure DevTest Labs



Demo



Azure Portal

Visual Studio 2015

Azure DevTest



Summary



Software development in the cloud

- Resources are volatile
- Resources are scalable
- Resources cost money
- Obvious things

Setting up your environment

