

2018
Global Azure
BOOTCAMP



Deploy, Scale and Monitor

SimplCommerce on Azure



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SimplCommerce

- <https://github.com/simplcommerce/SimplCommerce/>
- The first commit is on Jan 13, 2016, target to .NET Full Framework 4.6
- May – 2016 switch to .NET Core 1.0 (RC2)
- Now .NET Core 2.0

Stats:

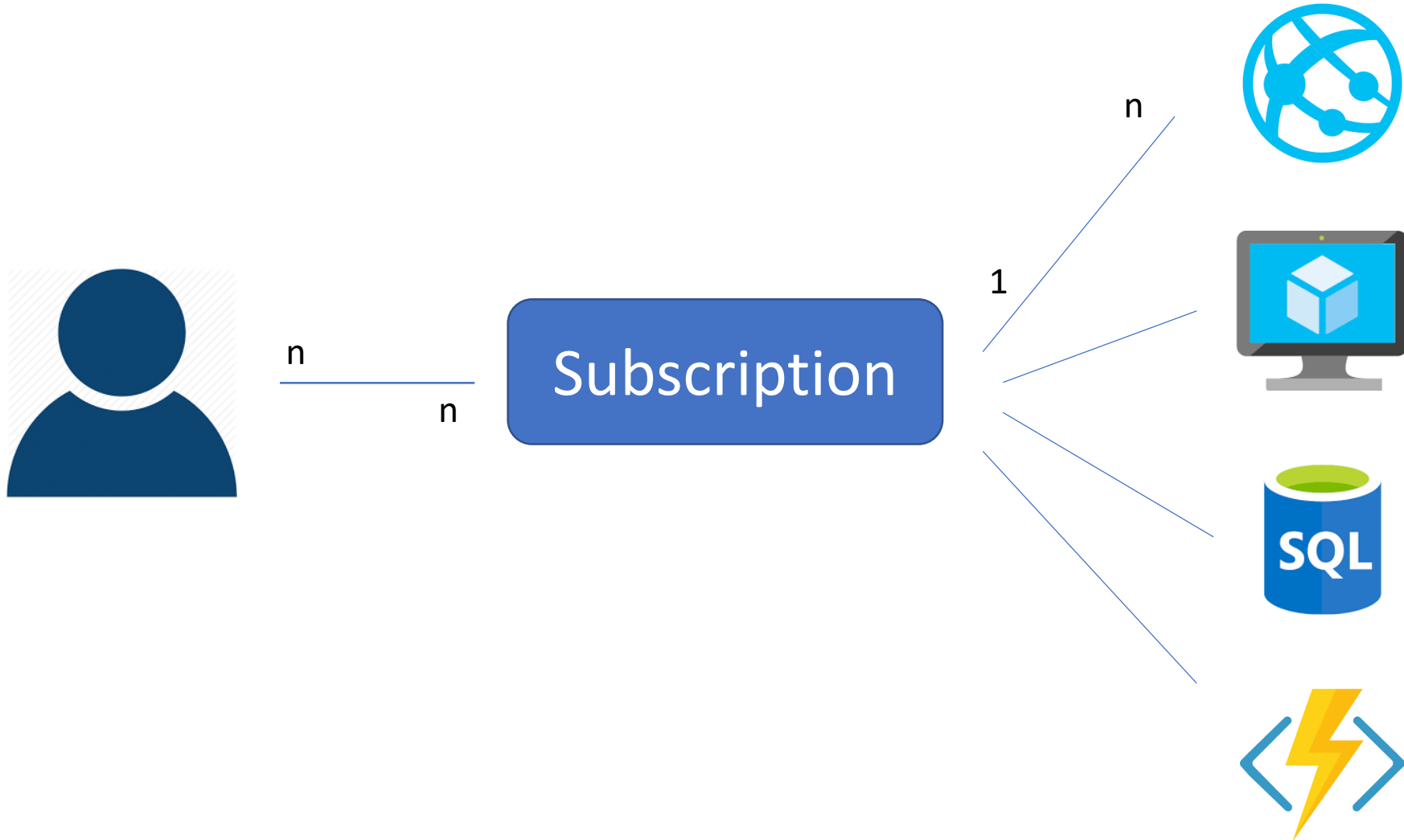
- 2nd in Top Open-Source E-Commerce Platforms written in C# (<https://www.ecommwar.com>)
- 1144 stars, 375 forks and 22 contributors

SimplCommerce – Technical stack

- ASP.NET MVC Core 2.0.0
- Entity Framework Core 2.0.0
- ASP.NET Identity Core 2.0.0
- Autofac 4.1.0
- AngularJS 1.6.3
- MediatR 3.0.1



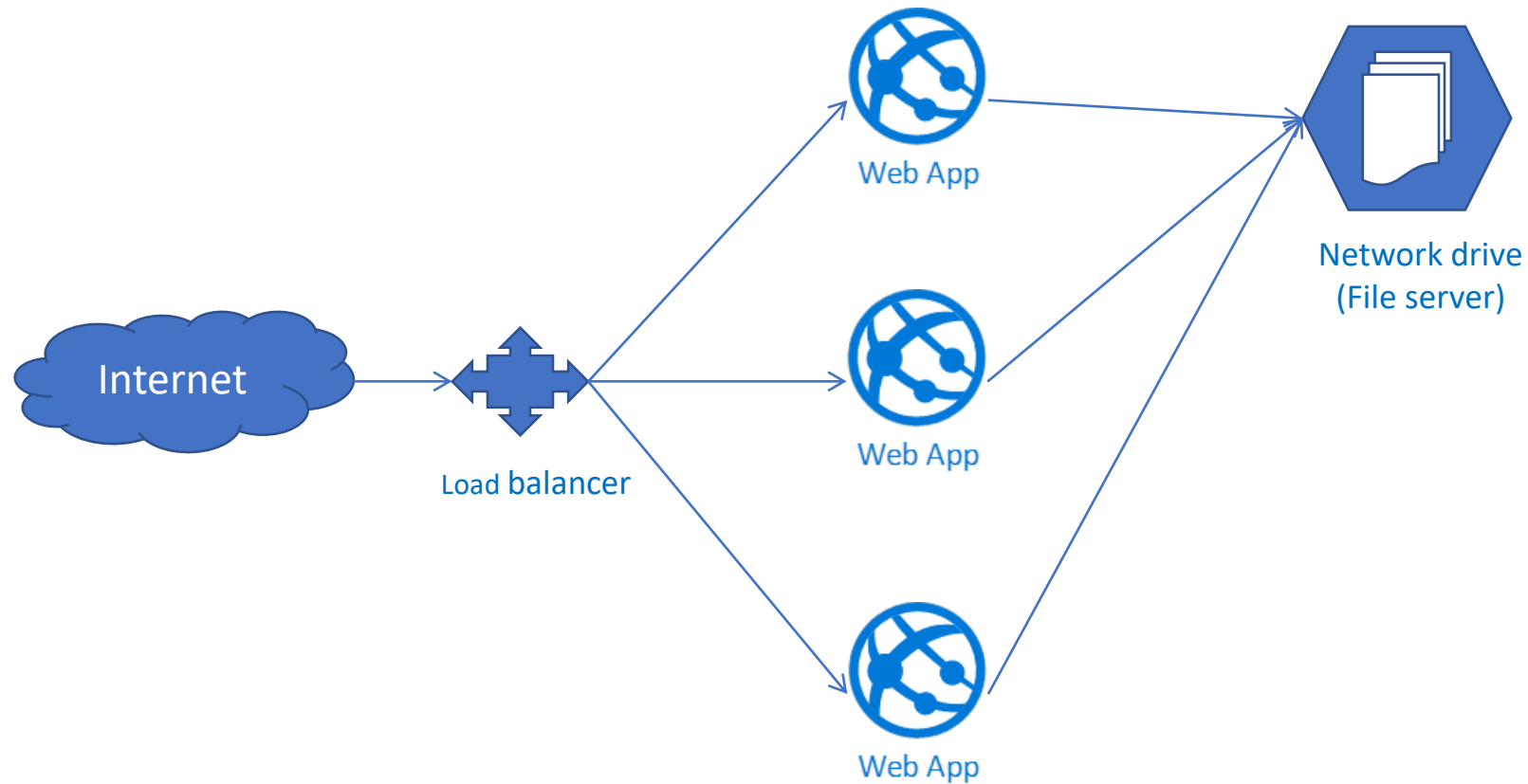
Azure Subscription



Azure Web Apps

- Supports .NET, Java, PHP, Node.js, and Python
- Built-in autoscale and load balancing
- High availability with auto-patching
- Continuous deployment with Git, TFS, GitHub, and Visual Studio Team Services
- Supports WordPress, Umbraco, Joomla, and Drupal

Inside Web App Architecture

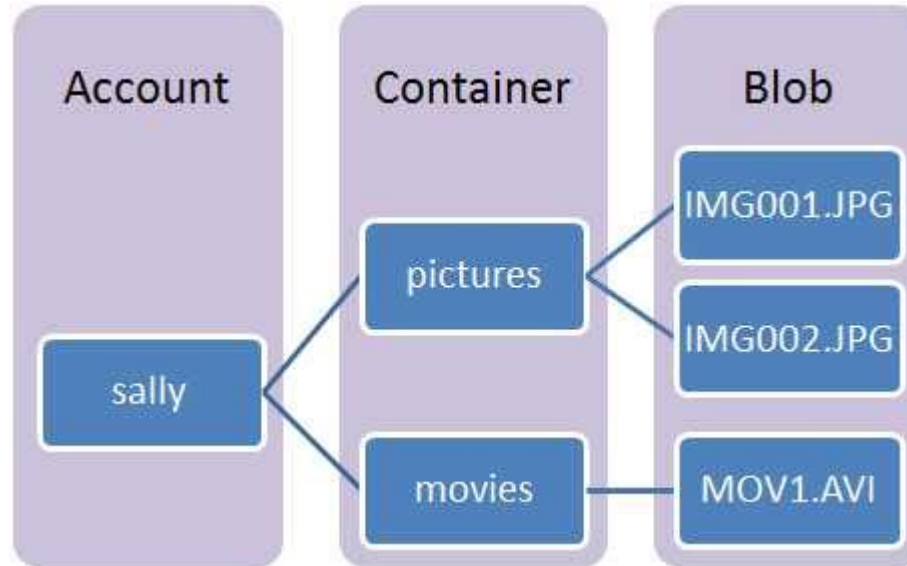


Azure SQL Database

- A relational database-as-a-service
- Built-in high availability, disaster recovery, and upgrade mechanisms
- SQL Server authentication only
- No SQL Server Agent in SQL Azure
- Require less administration



Blob Storage

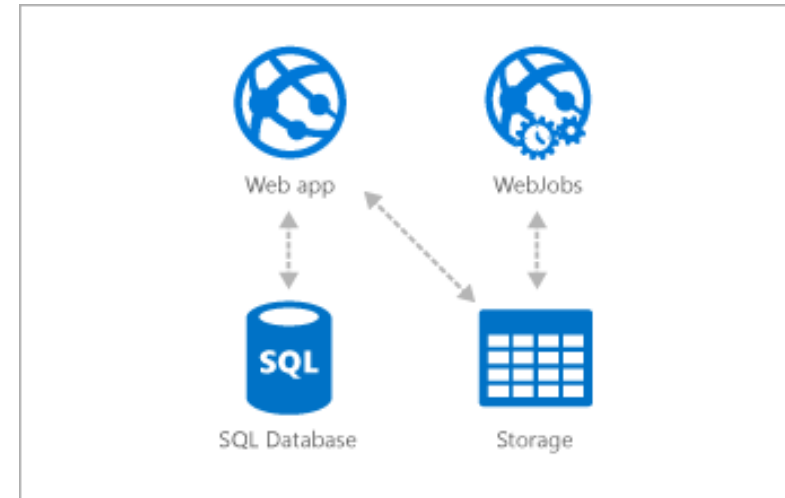


Account key is similar to the root password of storage account

WebJob

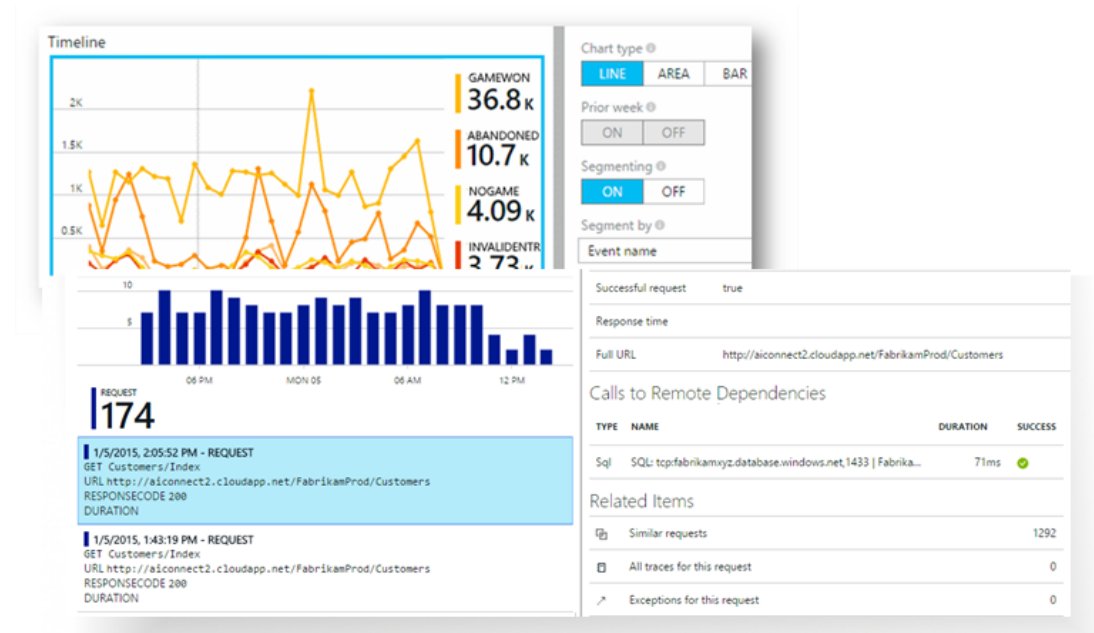
Azure WebJobs provide an easy way to run scripts or programs as background processes

- Lightweight
- No cost
- WebJobs SDK
- Same context as a Web Apps

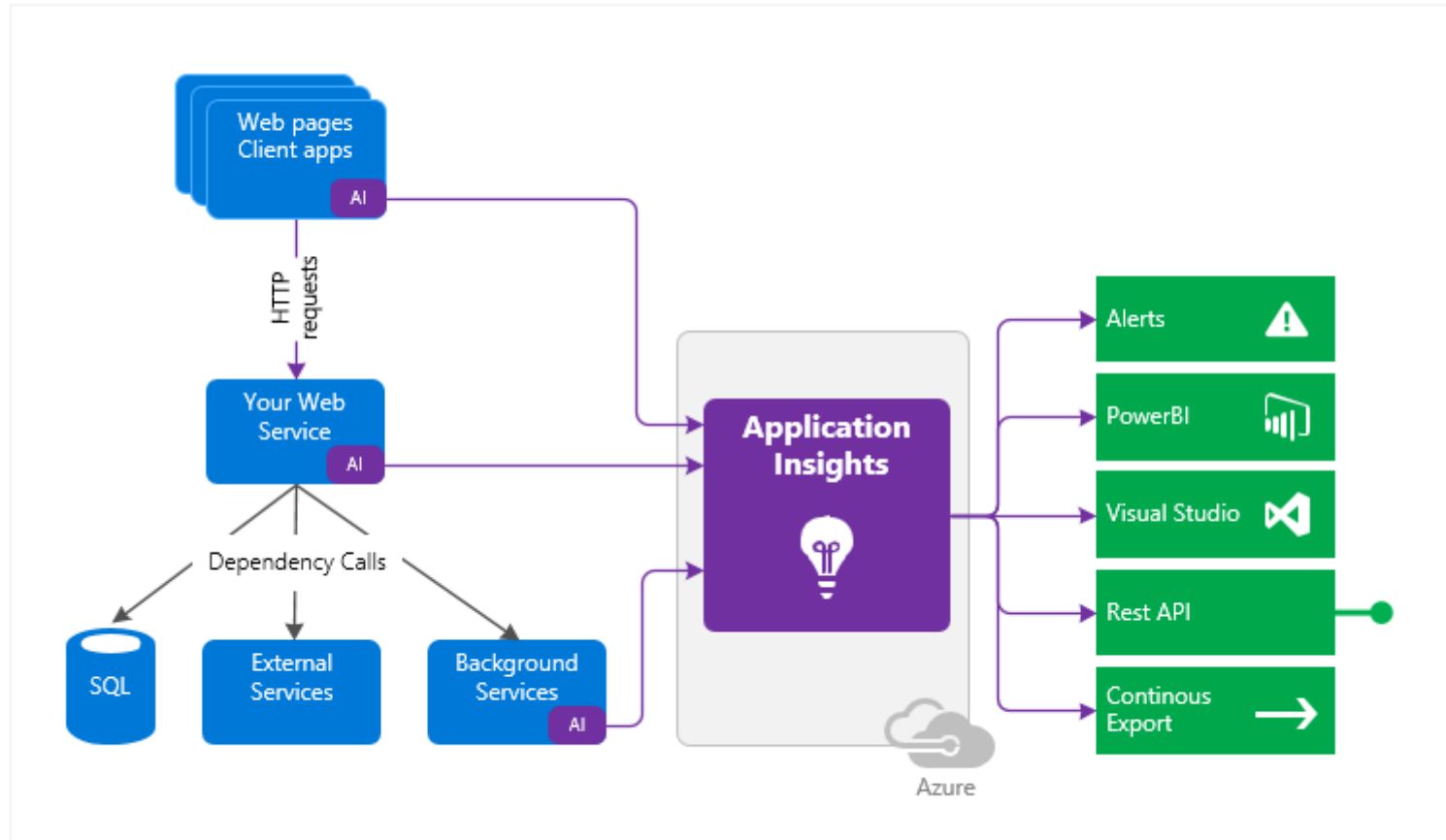


Application Insights

- Monitor Azure websites
- Detect and diagnose exceptions and application performance issues
- Interactive data analytics



How does Application Insights work?





<https://www.facebook.com/devcafevn/>

<https://github.com/devcafevn/>

<https://www.slideshare.net/devcafevn>