

Seminar Series Overview



Shifting Your Paradigm



Sprinkle Some Azure DevOps on It



Get Up to Speed with Azure laaS



Skills Development: Theory and Practice





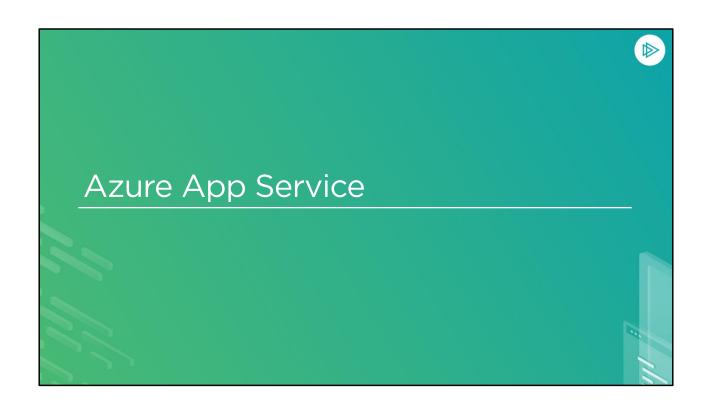
Skills Development: Certification

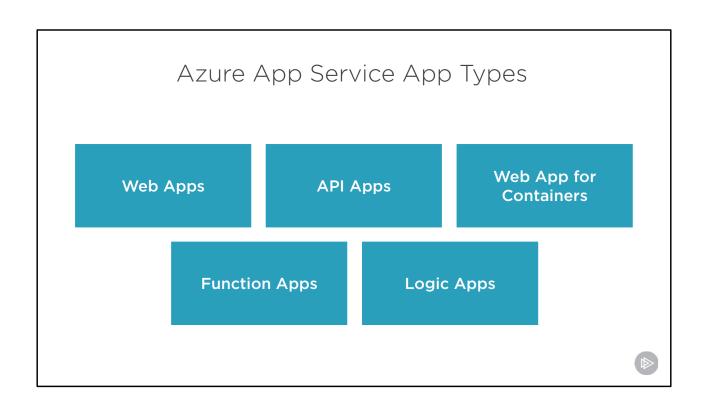


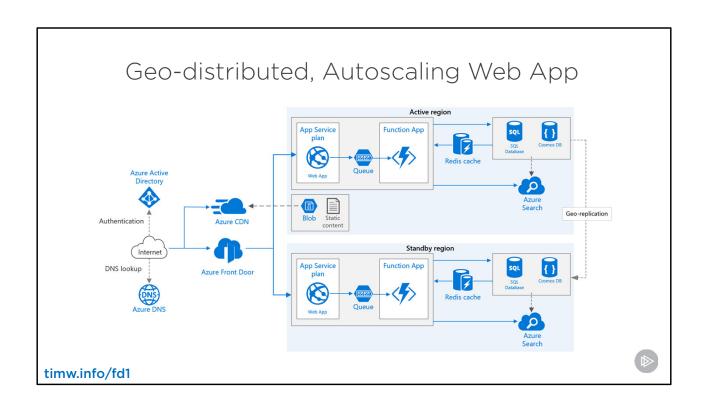
Session Materials

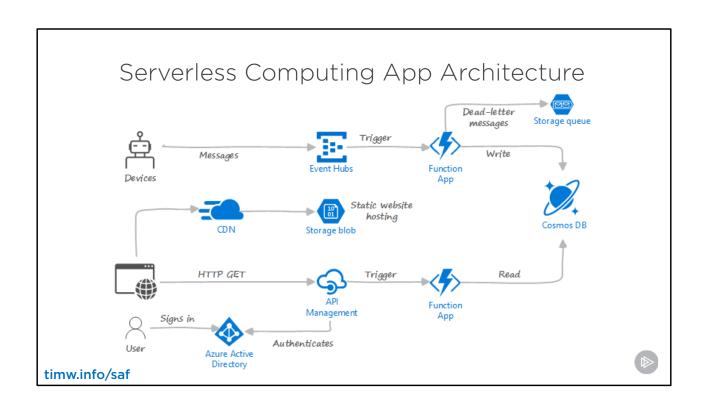
timw.info/admin











Azure App Service Pros and Cons

Pros

You can focus exclusively on your code Integration with Azure Pipelines Little worry about availability or backup

Autoscaling

Automatic intra-region load balancing

Can easily be managed with Application Gateway, Traffic Manager, or Front Door

Cons

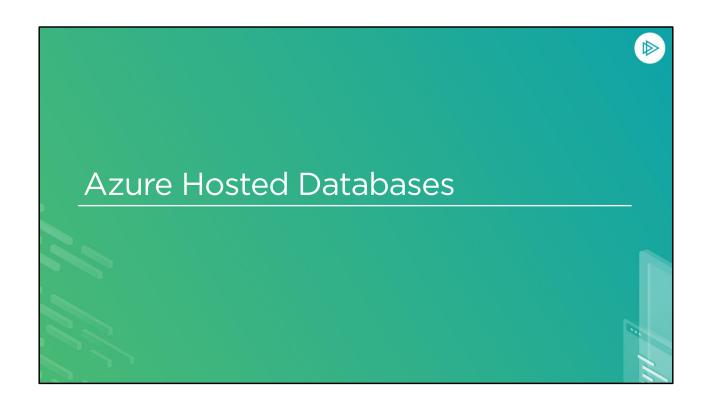
Not all application frameworks / runtimes are supported

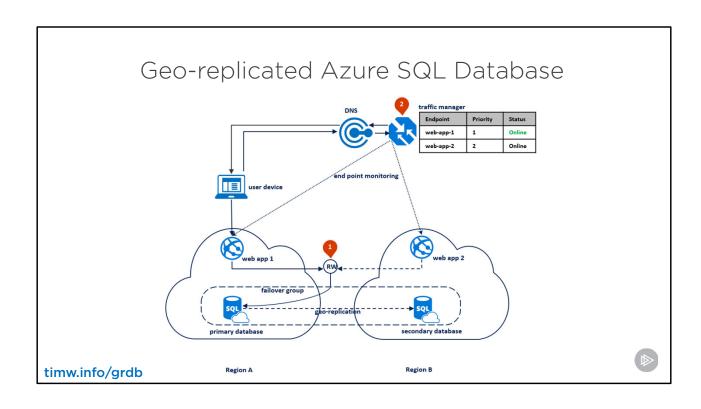
.NET, .NET Core, Node.js, Java, PHP, Ruby, Python

You surrender full access to the underlying VM

Web apps incur cost even when they are stopped







Microsoft Azure: Relational Database Options

Azure SQL Database

• Hyper-scalable and highly available; high feature parity with SQL Server

Azure SQL Database Managed Instance

You get much more control over the underlying SQL Server VM

Azure Synapse Analytics

Formerly called Azure SQL Data Warehouse

Azure Database for MySQL

Hosted, managed Oracle MySQL

Azure Database for MariaDB

• Open-source MySQL fork

Azure Database for PostgreSQL

Hosted, managed PostgreSQL

Any Database in a Virtual Machine

• If you run an unsupported database/version, you can always use a VM



Microsoft Azure: Non-Relational
Database Options

Azure
Cosmos
DB

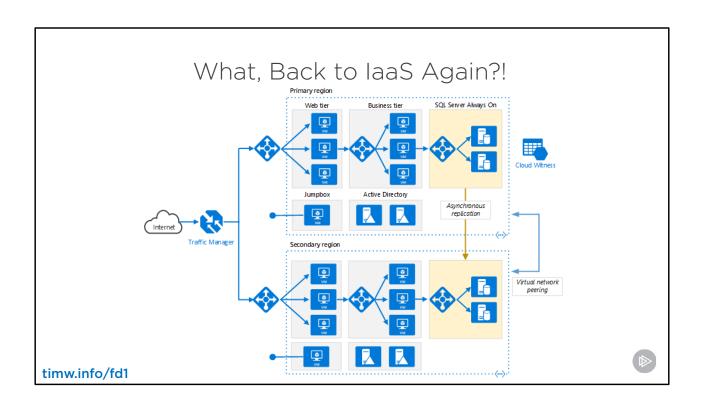
Core (SQL)
JSON document

MongoDB
JSON document

Cassandra
Wide-column store

Azure Table
Key-value

Gremlin
Graph







Pluralsight Cloud Labs

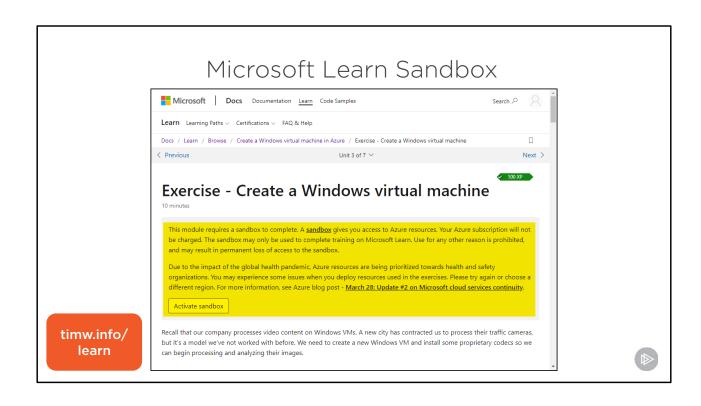


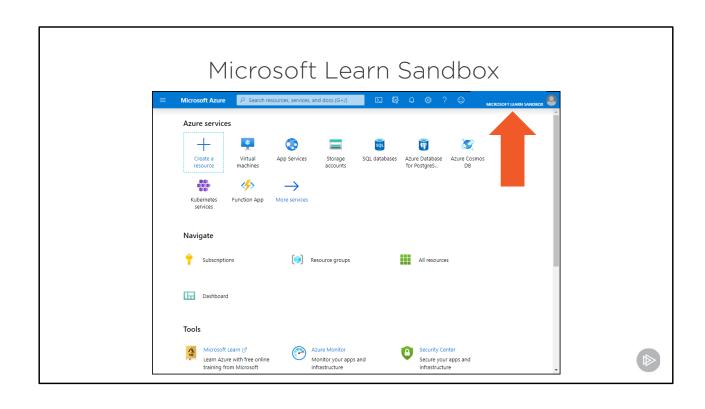


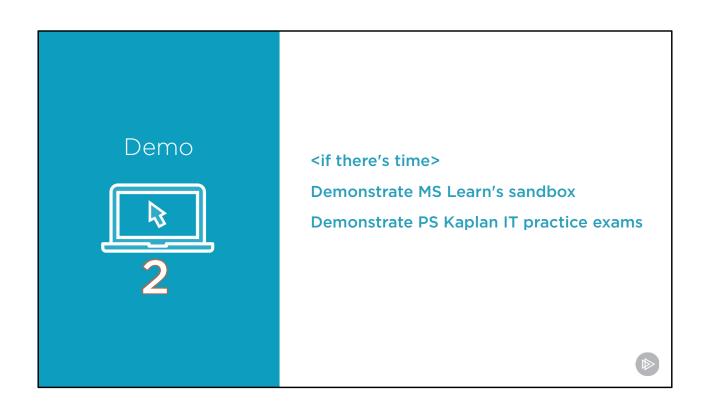
Microsoft Azure

Amazon Web Services (AWS)











What's Next



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Get Up to Speed with Azure PaaS



Skills Development: Certification



Session 3 Homework



Work through some Microsoft Learn hands-on labs focusing on App Service apps and PaaS databases (timw.info/aas)



Watch Barry Luijbregts' course Building a Global App with Azure PaaS (timw.info/barry)



Poke around in the reference architecture section of the Azure Architecture Center (timw.info/arch)



