



BrainScale

Engineering. Cloud. Value.™

Containerize legacy ASP.NET Applications

1 Week Assessment

Offer Summary

In this one-week assessment program, participants will learn current, state of the art practices for containerizing legacy ASP.NET applications.

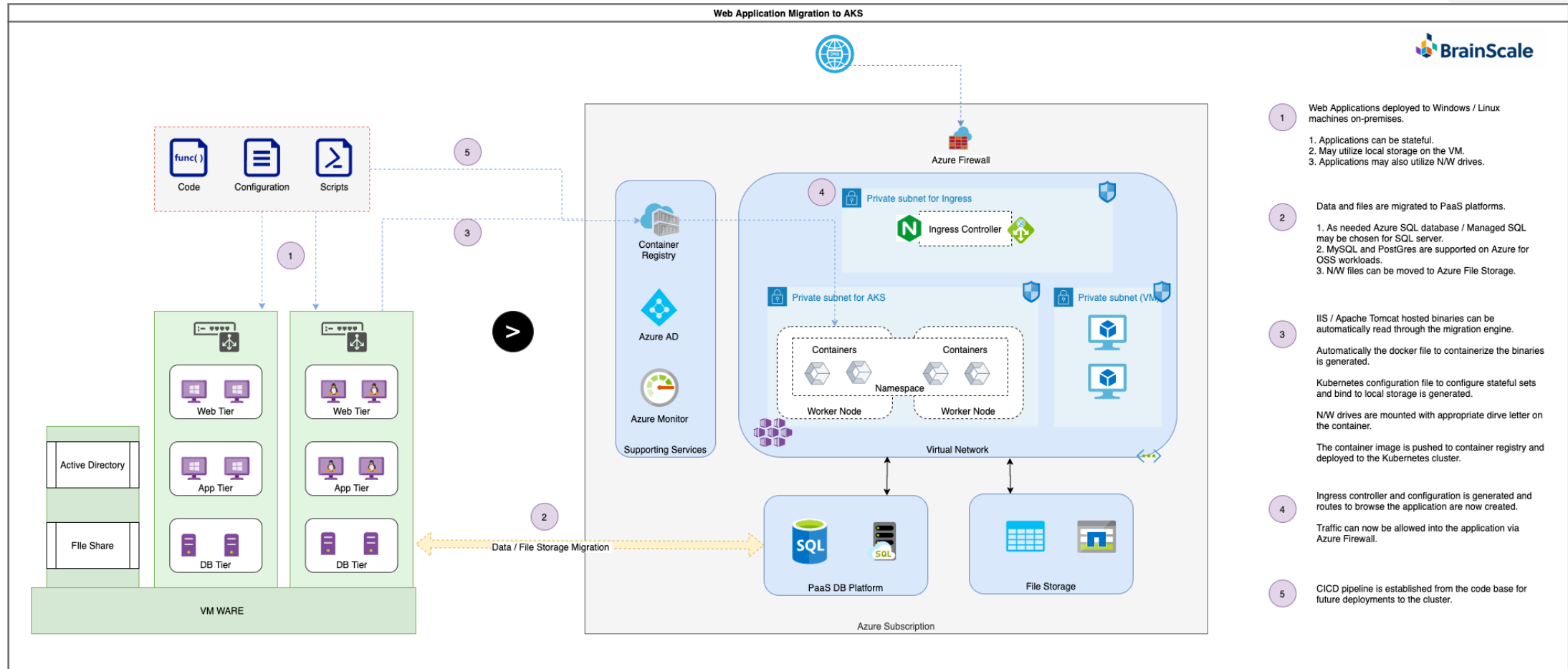
BrainScale will assess your .NET application, database architecture, stack and hosting layouts in your current environment.

Deploy Azure App Services, Azure SQL, Apps Settings and other components. Discuss application configuration changes and CI/CD and deployment options.

Offer Description / Assessment Outcomes

1. Understand Containerization fundamentals & state of adoption of Windows Containers
2. Understand the flavors of Windows Containers and scenarios where they can be used.
3. Explore the characteristics of legacy applications that can be containerized. Tools that can help with this analysis.
4. Setting up AKS for deploying Windows containers. Securely allowing web traffic.
5. Learn the effects of running databases on containers
6. Learn to create docker files and Kubernetes configuration files for windows containers.
7. Understand how to setup monitoring for containerized workloads through Azure Monitor.

Reference Architecture



- Web Applications deployed to Windows / Linux machines on-premises.

1. Applications can be stateful.
2. May utilize local storage on the VM.
3. Applications may also utilize NW drives.
- Data and files are migrated to PaaS platforms.

1. As needed Azure SQL database / Managed SQL may be chosen for SQL server.
2. MySQL and PostGres are supported on Azure for OSS workloads.
3. NW files can be moved to Azure File Storage.
- IIS / Apache Tomcat hosted binaries can be automatically read through the migration engine.

Automatically the docker file to containerize the binaries is generated.

Kubernetes configuration file to configure stateful sets and bind to local storage is generated.

NW drives are mounted with appropriate drive letter on the container.

The container image is pushed to container registry and deployed to the Kubernetes cluster.
- Ingress controller and configuration are generated and routes to browse the application are now created.

Traffic can now be allowed into the application via Azure Firewall.
- CI/CD pipeline is established from the code base for future deployments to the cluster.

Price: \$20,000

Key Words: AKS, Kubernetes, Containers, Containerization, migration, Asp.net, legacy. Windows, Docker,

Instructors: 1 Cloud Native Architect, 1 Web Applications engineer

Thank You

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