

SOFTSERVE'S MICROSOFT MODERNIZATION FRAMEWORK

Modernize your Microsoft workloads in a risk-averse, controlled, streamlined, and standardized way.

Organizations managing large Microsoft workloads often face various challenges, from navigating complex licensing constraints to accelerating their modernization efforts. Traditional approaches can limit business agility and hinder progress, making it difficult to deliver immediate value. Legacy systems and outdated applications further complicate the path to modernization.

The SoftServe Microsoft Modernization Framework addresses these challenges by providing a comprehensive solution and accelerators for the modernization process.



BUSINESS VALUE



**From 3x
to 15x**

Better performance (server-side workloads, garbage collection, serialization, startup, multithreading) and better memory utilization

** Benchmark.NET tests between 4.8 and 8.0



**At least
50%**

Infrastructure cost reduction (cross-platform, reduced memory consumption, CPU optimized Runtime)



**Rapid one day
application
assessment**

With CAST Highlights



**70%-90% faster
application
modernization**

Using Amazon Q for Developers .NET Transformation and Code Assistant



**Improved
security**

In critical areas protection against OWASP Top 10



softserve

HOW IT WORKS

PREREQUISITES	WEEK 1	WEEK 2-3	WEEK 4
<ul style="list-style-type: none"> Application selection criteria met Access to the source code repositories for CAST AWS account access on the organizational level 	<ul style="list-style-type: none"> Application Portfolio analysis by CAST Highlights Application pilots selection Amazon Q for Developer Pro rollout Platform deployment .NET Transformation process started 	<ul style="list-style-type: none"> Analyzing Transformation changes (Code compare) Analyzing Transformation changes (Code compare) Upgrading Unsupported packages compare) UI and C# code modification Solution validation 	<ul style="list-style-type: none"> Achievement report Modernization business case Further modernization plan Result presentation

APPLICATION SELECTION CRITERIA

GOOD	BAD
<ul style="list-style-type: none"> Console applications Class libraries Web API Windows Communication Foundation (WCF) .NET Framework <= 4.8 .NET Standard XML Config to appSettings.json C# Code in Web Projects 	<ul style="list-style-type: none"> ASP.NET Razor Pages Views ASP.NET Web Forms Views Visual Basic Non-default IIS configurations More than 100k lines of code Private NuGet packages not supporting the target .NET version (for example 8.0) Entity Framework to EF Core ASP.NET Model View Controller (MVC) Views Single Page Application (SPA)

WHY SOFTSERVE



Amazon Q for Developer .NET Transformation Launch

Partner: Our success stories in Microsoft modernization and launch partnership for Amazon Q for Developer, brings the unique expertise to our clients.

Number of accelerators: SoftServe offers a range of accelerators to help customers seamlessly adopt AWS Cloud and container technologies. From setting up landing zones to building modern container platforms, and leveraging platform engineering through SoftServe's Application Modernization Platform (SAMP), we provide end-to-end solutions to drive innovation and efficiency.

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