kloia

Application Modernization: Legacy .NET to .NET 6+

The compatibility of the existing application or rearchitecting on .NET 6+

Assess

Your current .Net architecture, framework, codebase and dependencies. Output is a compatibility report together with a suggested roadmap.

Transition

May have different paths based on the output of the initial step which makes an analysis on possible scenarios and also time cost-complexity of this is estimated
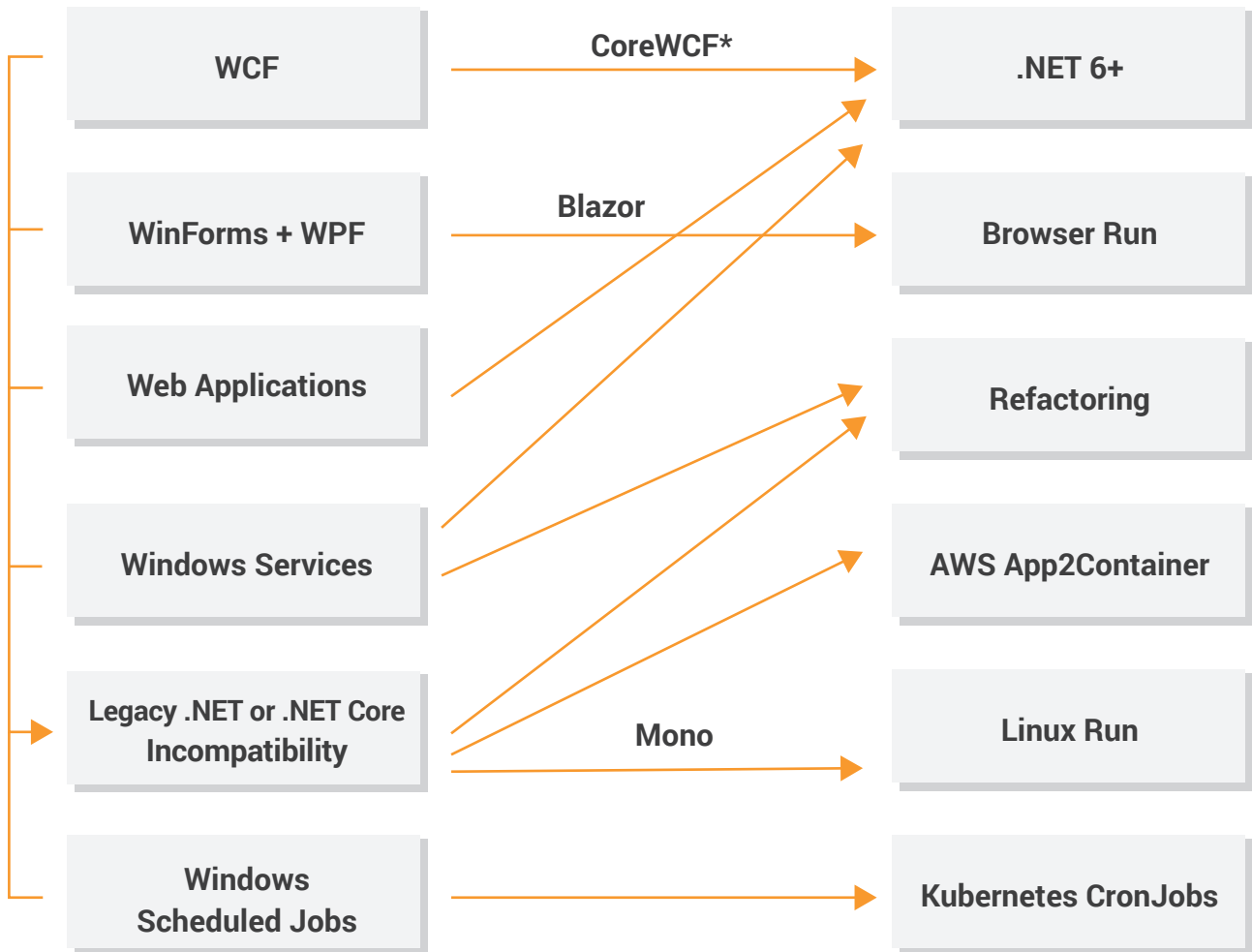
Acceptance

And handover of the final state internally together with applying a enriched CI/CD pipeline

.NET Reloading

The .NET programming language is evolving to catch up with the trends. .NET is built on a high-performance runtime that is used in production by many high-scale apps. In addition, support for Linux-based operating systems is allowing .NET to be created and run on Kubernetes. We decouple existing, tightly coupled services into highly distributed microservices. We assess and transition your legacy systems into cloud-native, cost-saving, cross-platform, and high-performance applications. How? Check our joint launch post of AWS Microservice Extractor for .NET!

.NET

Modernization Mappings

WCF	— CoreWCF* →	**.NET 6+**
WinForms + WPF	— Blazor →	**Browser Run**
Web Applications		**Refactoring**
Windows Services		**AWS App2Container**
Legacy .NET or .NET Core Incompatibility	— Mono →	**Linux Run**
Windows Scheduled Jobs		**Kubernetes CronJobs**

* Kloia, along with AWS are contributors to CoreWCF, an open-source port of Windows Communication Framework (WCF) to .NET 6+.

Benefits

Cost Saving: Various options together with Serverless, managed resources, auto-scaling(Even scaling to 0!), zeroing Windows OS and SQL Licenses

Performance: Moving away from IIS means getting away from various overheads together with .NET6+'s lightweight and lean architecture which boosts performance

Cloud-Native: Kubernetes-driven infrastructure, together with Cloud functions which brings self-healing and automation on your development and deployment cycles

Cross-Platform: Possibility to run your workload on both Windows and Linux and even on Kubernetes!