



Great software teams. On demand.

Modernize your applications with

# Microservices architecture consulting and development services

Simform consult you with best practices to **build scalable, reliable, and resilient microservices applications** while addressing any gap in skills to move from monolithic applications to microservices.



# Why Adopt Microservices Architecture

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## NETFLIX

In 2009, Netflix refactored its monolithic architecture into microservices to significantly eliminate its scaling issues and service outages, and reduce infrastructure cost.

## UBER

Uber chose to adopt microservices as it strived to maintain scalability and continuous integration. With specific services owned by independent services gave them the liberty to scale the services and achieve reliable fault-tolerance.

## amazon

Amazon adopted small, independent applications to mitigate development delays, coding inconsistencies, and interdependent services. By allowing ownership of each service to a separate team, it could view development bottlenecks with more clarity and fix challenges with more efficiency.

## Etsy

Etsy moved to microservices to address its performance issues as a result of poor server processing time. With a two-layer API connecting development teams, it witnessed quicker upgrades, concurrent processing, and easy scalability.

The cloud microservices market is expected to **grow from USD 683.2 million in 2018 to USD 1,880.0 million by 2023**, at a Compound Annual Growth Rate (CAGR) of 22.4% during the forecast period.

# We help you future-proof your business

Our experts conduct a thorough assessment of your development model and team structure to prepare a roadmap for integrating microservices into your workflow.

## Key Deliverables

- ✓ Roadmap for microservices adoption
- ✓ Assessment of your existing software development process
- ✓ Help you select applications to migrate to the microservice architecture
- ✓ Assist your team to refactor a monolith to services
- ✓ Regular assessment of your process



## Microservices migration

Whether you want to modernize your legacy app or break down your monolith app into microservices, we help you get there with the right tools and technologies.

Detailed assessment of the existing development process and timeline

Complete review of the app architecture, code quality, and testing

Careful evaluation of personnel training needs

Identification of component dependencies to implement refactor.

Roadmap to migrate from a monolith to a microservices architecture

# Microservices testing

We design a comprehensive test strategy that covers all test areas at granular level to ensure the functioning and performance of each microservice is stable. Our microservices testing incorporates multi-level functional testing, regular regression testing, and performance and security testing all microservices function smoothly.

# Microservices support and maintenance

Our team provides you with proactive and consistent microservices maintenance and support services to enhance the quality of microservices apps while reducing the number of defects and technical hitches.

# Microservice architecture review/assessment

We help you evaluate your microservices architecture and deliver the assessment report that provides you insights into the architectural and organizational risk and suggests improvements.

• **Trusted by** Fortune 500 companies •



# Our strategic roadmap to implement microservices

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1. Initial assessment and review

2. Optimized processes

3. Provide training and support

4. Development of technology platform

5. Defining your services

6. Decoupling your data

7. Periodical follow-ups

## Benefits of microservices

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Technology Agnostic



Enhanced scalability



Secure architecture



Faster deployment



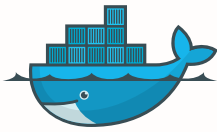
Better isolation & resilience



Greater business agility with cross-functional teams

# Technology expertise

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Docker



Kubernetes



Azure Kubernetes  
Services (AKS)



Service Fabric



Enterprise Service  
Bus (ESB)

## Take the next step

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Want to know How Simform can help you **adopt  
microservices architecture?**

**Schedule a 30 minute,  
no-cost consulting call now!**



Great software teams. On demand.

Call: (321) 237-2727

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