Achieve the benefits of cloud-native

With ConSol Microservice Factory

> *"Migrating our outdated software architecture to a modern and future-proof platform was a strategically important decision with ConSol we have found exactly the right partner. Together we implemented our vision and delivered it successfully, without compromising on software quality and IT security."*
>
> —
>
> Project Manager and Agility Coach
> Union Investment

ConSol helps customers move from legacy monolithic software systems to modern cloud-native microservices to save effort, costs, and provide higher quality projects with ConSol Microservice Factory, based on Red Hat® OpenShift®.

Balancing cloud-native modernization and legacy applications

Microservices and containers help organizations develop and deploy scalable applications across cloud environments and this flexibility provides a competitive advantage. Cloud-native development is increasingly important for organizations that want to exploit microservices by running apps in containers with Kubernetes for orchestration. However, completely rewriting legacy applications is seldom feasible due to time and cost requirements.

Organizations are therefore looking for solutions to undertake this migration in a way that incurs less cost and manual effort, while increasing speed to market.

Scale up microservices architecture with automated code generation

Whether you need to migrate legacy systems or want to extend existing software architecture based on microservices, ConSol Microservice Factory allows you to scale without incurring major programming efforts and friction losses.

Based on Red Hat OpenShift, it extends development automation to DevOps and Ops automation-an approach that saves 50-80% of the effort and costs required for a new re-write. It also facilitates the development of higher quality projects and speeds time to delivery.

ConSol Microservice Factory, based on Red Hat OpenShift helps customers to:

Migrate legacy systems to cloud-native with less effort and cost.

Quickly scale high quality microservices.

Automate the generation of cloud-native microservices

Created by developers for developers, ConSol Microservice Factory generates the source code, test code, infrastructure code, configuration, and documentation needed for new cloud-native microservices in an automated way. With it, there's no need for manual adaption on generated microservices and microservices are instantly ready to be delivered to end-to-end-testing.

After just a short time using ConSol Microservice Factory, expenses are amortized compared with extending monolithic systems or with recurring new manual installations of microservices. As a result, ROI can be realized after the generation of 20 microservices, which is a number quickly attained during software migration projects.

1,000 new microservices at the push of a button

Scaling a microservice architecture and creating source code, configurations, test code, documentation and build pipelines at the push of a button are all possible with the ConSol Microservice Factory.

ConSol Microservice Factory not only generates source code but supports test code and environment-specific configuration settings. It also serves CI/CD technologies such as Maven, Gradle, Git, Jenkins, Docker, Kubernetes and Red Hat OpenShift. At the push of a button, ConSol Microservice Factory can generate documentations based on Microsoft Word, Excel, PDF, Markdown, and Confluence templates.

ConSol Microservice Factory can be used for all future microservices implementations, which further saves effort, speeds up time schedules, improves quality due to fewer manual errors, and creates higher homogeneity of the microservice landscape.

Increase data exchange and data processing without security gaps

ConSol works with you to develop and expand your existing architecture, from proof of concept to the creation of thousands of microservices, using blueprints to create services and testing, CI/CD, and implementation.

The process starts with analyzing your existing software packages (e. g. Spring Boot or Quarkus), with the results used to create a sample service as a blueprint. The blueprint is then used to dynamically reproduce the sample service any number of times using ConSol Microservice Factory.
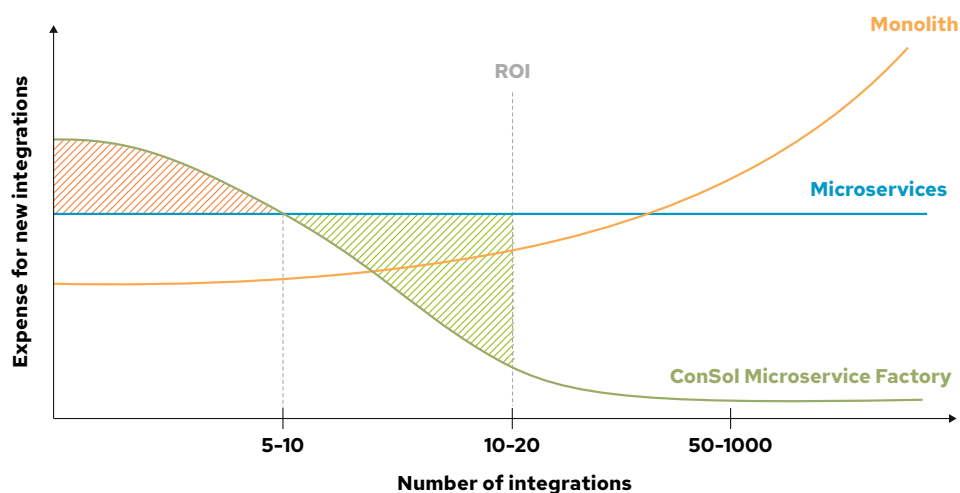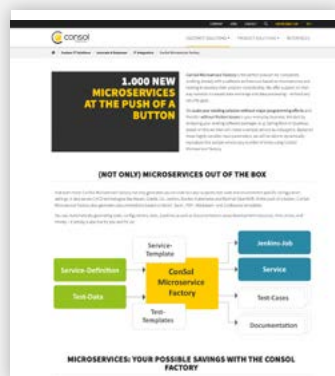

Figure 1. Savings made possible to ColSol Microservice Factory.

Higher quality projects with less effort and cost

Whether you need to migrate legacy, monolithic software systems into modern cloud-native microservice systems or creating new microservices, with ConSol Microservice Factory, you benefit from:

▸ Amortization of your initial investment after approximately 20 new microservices.

▸ Reduced effort and costs for software changes due to modernized architecture.

▸ Improved time-to-market of new features due to increased deployment frequency.

▸ Increased system stability, performance, and scalability due to cloud features.

▸ A highly homogeneous microservice landscape.

Plus the ConSol team matches the scale of your project support to the correct ConSol Microservice Factory option and provides support through the adoption process and beyond.

Learn more about how your organization could benefit from migrating monolithic applications in a semi-automated way for the generation of new cloud native microservices with ConSol Microservice Factory.

Learn more →

Read how customers have benefited from ConSol Microservice Factory in the Union Investment and Vodafone case studies.

f facebook.com/redhatinc
🐦 @RedHat
in linkedin.com/company/red-hat

redhat.com