

# Taos DevOps with GitHub on Azure

## Propel Growth with Operational Flexibility

The cloud underpins the digital transformation of all businesses. The velocity of the transition is critical for the success of modernization initiatives. DevOps culture is the engine that powers app development and enables faster time to market. In adapting to market conditions, 66% of enterprises are becoming prolific software producers releasing code daily. The app development trend will pick up pace as more than 500 million new apps will be developed by 2023. It is not a surprise that 90% of the new apps will be cloud-native by 2025.<sup>1</sup>

### Challenges

- Shortage of skilled developers
- Siloed development teams
- Inconsistent processes
- Compliance and security
- Unrealistic goals and timelines

### Benefits with Taos

- Increase operational efficiencies
- Faster time to market
- Improve product quality, reliability, and performance
- Reduce security and compliance risks

### Why DevOps with GitHub?



**GitHub**

**50M+**  
Developers

**100M+**  
Private and public  
repositories

**1000s**  
Open source  
communities

**1B+**  
Annual  
Contributions

**3M+**  
Organizations

**60%**  
Fortune 500  
companies

Why GitHub? GitHub provides critical capabilities to enterprises. Open source software is leveraged in 99% of large enterprise applications, and most of that open source software lives on GitHub. GitHub enables organizations to leverage the strength of the largest developer community and codebase using the most widely-used and loved developer toolset in the world.

### Why DevOps on Azure?



**Microsoft  
Azure**

With help from Azure, you have everything you need to build your next great solution. Within Azure, teams will have the ability to leverage DevOps capabilities to quickly provision and configure multi-region cloud environments with unlimited resources, and gain agility in deploying their apps. Now, instead of having to buy, configure, and maintain physical servers, teams create complex Azure cloud environments in minutes, then shut them down when they're no longer needed. DevOps capabilities enable companies to automate the processes of building and deploying containers via CI/CD pipelines in Azure, which are becoming essential practices in the age of Kubernetes and Serverless Computing.

### Why Taos is the right partner for DevOps on GitHub and Microsoft Azure?

Taos has deep relationships with internal Microsoft teams that enable the parties to work together to develop and deliver innovative solutions that meet your business needs. The Taos teams are well-versed in Azure best practices, ensuring that we build solutions on a solid foundation that provides scalable, reliable, and secure operations. Taos brings its deep expertise and knowledge of Microsoft Azure to your business initiatives for confidence in moving to the cloud.

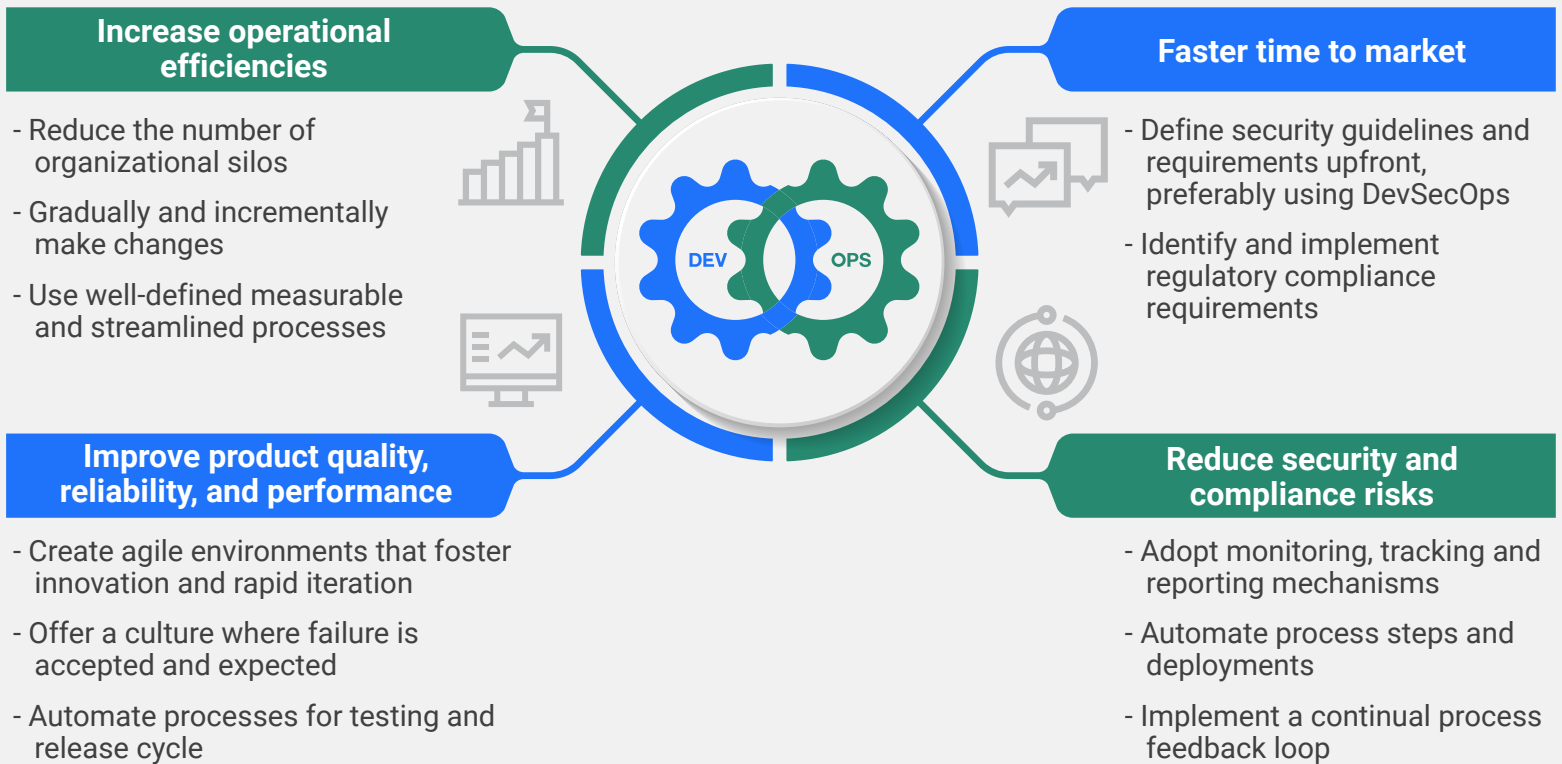
Microsoft  
Partner

Gold Cloud Platform  
Gold Data Analytics  
Gold Data Platform  
Gold Datacenter  
Gold DevOps

GitHub Verified Partner

# Benefits of Taos DevOps services and solutions

Adopting a DevOps culture unleashes developers and IT professionals' potential to quickly develop and deploy apps that enhance businesses' responsiveness and resilience. DevOps brings numerous positive changes to your IT and development operations:



“Taos DevOps has been a useful addition to our teams. They’re able to provide experts in specific technology when needed and provide deep bench strength. We’re operating with Taos DevOps now as an integrated part of our team.”

- Sr Engineering Manager in Finance Industry

- **Deep technical expertise.** More than 600 technologists vetted through proprietary Taos TIV™ process
- **Broad install base.** Hybrid, DevOps and multi-cloud solutions deployed across more than 2,000 large and mid-sized enterprise clients. Taos offers flexible and behind the scenes engagements for high profile customers
- **Competencies and certifications.** Taos Technologists have completed over 100 Microsoft certifications, assessments, and exams. The company consistently train and re-certify its teams to ensure that customers have access to leading cloud talent without having to find, verify, and retain your own SMEs. Taos Technologists have in-depth expertise in Microsoft Azure and Linux on Azure
- **Recognized in the 2020 Gartner Magic Quadrant** for Public Cloud Infrastructure Managed and Professional Services. The recognition was for completeness of vision and ability to execute
- **GitHub Verified Partner.** Taos is one of the first GitHub Verified Partners globally, joining an elite group of partners that have gone through an in-depth verification process with the GitHub team. As a partner for GitHub, Taos is authorized to co-sell and offer service delivery for GitHub deployments



# What's Next with Taos DevOps

Taos DevOps Services help customers achieve their transformation goals with foundational frameworks and methodologies that unify developer and IT infrastructure teams, accelerate modernization, and leverage high degrees of automation for efficiency and cost reduction.

- **DevOps:** Taos is a one-stop source for doing all the DevOps right things
- **Digital optimization managed services:** DevOps Now™ delivers 24/7/365 digital operations and customer support. Unlike others, Taos focuses more on creating the DevOps environment as a service, then partnering with on-site customer teams for ongoing delivery
- **Digital transformation professional services:** DevOps Modernization offers infrastructure and data modernization, data center migration and cloud security enablement

## The Taos DevOps modernization services help customers modernize their DevOps capabilities for the full lifecycle and accelerate the adoption of DevOps culture and the cloud

- **Assess and discover.** The state of the enterprise architecture and SDLC processes and develop a set of recommendations based on best practices
- **Plan and design.** For approved recommendations to support business objectives
- **Build and integrate.** The tools and CI/CD processes through a POC and "fail fast."
- **Deploy and operationalize.** A modernized DevOps framework

## Why choose Taos DevOps



### Improve business agility

Monolithic applications are rigid, slow and costly to maintain and update. Adopting a DevOps culture enables businesses to use modern tools and agile processes to quickly develop, release and update applications that lower costs and improve competitiveness



### Agile transformation

Adopting DevOps introduces automation and agility into the entire app development, release and update processes. It also accelerates time to market thus, improving applications and users' experiences



### Application modernization

Legacy monolithic applications and their supporting processes are not compatible with modern technologies. With the DevOps approach, companies can replace old apps with containerized microservices that benefit from modern CI/CD tools and processes



### Containerization and microservices initiative

Containers are the place where microservices live in agile and modern cloud environments in Kubernetes clusters. With Kubernetes and microservices, organizations gain high availability and app portability that contribute to more resilient business and freedom from vendor lock-in



Ready to embark on your transformation journey with an experienced partner that works with your teams throughout the lifecycle of your effort while lowering business risks? Taos is prepared to help. Reserve your Azure DevOps and GitHub Enterprise Roadmap Workshop from Taos.

## Learn more about Taos DevOps solutions and services at

<https://www.taos.com/partnerships/microsoft-azure-partner-solutions>.

#### Sources:

1. IDC October 2019. "IDC FutureScape Worldwide IT Industry, 2020."
2. Fortune Business Insight, January 2020. "DevOps Market Size, Share and Industry Analysis."