

# Taos DevOps Services for Financial Services

In the high stakes, highly regulated financial services industry, customers are expecting personalized experiences with more control and access to financial tools and information online. Taos DevOps Services can help organizations deliver great digital experiences to clients, increasing competitiveness and strengthening customer loyalty, while also opening doors to new revenue-generating opportunities.

In the complicated infrastructure of financial services, changes are happening quickly, and users are expecting institutions to keep up while not compromising compliance. Taos DevOps Services are tailored to the finance industry from asset and wealth management to investment, corporate and consumer banking.

Highly regulated industries like finance face unique and tougher challenges. Taos understands your compliance requirements and can help you deliver with agility and speed without compromising compliance. Taos has certified engineers and our Delivery Framework is flexible and secure.

## DevOps for Financial Services



Accelerate and Streamline User Experiences



Speed New Features to Market Including Online Banking and Mobile Banking



Modernize Core Banking and 3rd Party Payment Integrations



Achieve Higher Security and Governance

**Taos DevOps Services** are designed to help financial services businesses remove roadblocks to embracing a holistic, comprehensive approach to DevOps, accelerating their ability to:

- Deploy innovative services for online banking, mobile banking, and digital payments
- Respond faster to changing customer digital demands
- Empower employees with tools, data, and insights to better serve financial clients
- Embed compliance and security controls into development processes
- Increase IT agility and overall productivity of tech resources
- Improve partner experience and create revenue opportunities
- Build on intelligent core platforms for ecosystem efficiencies

# The DevOps Journey for Finance

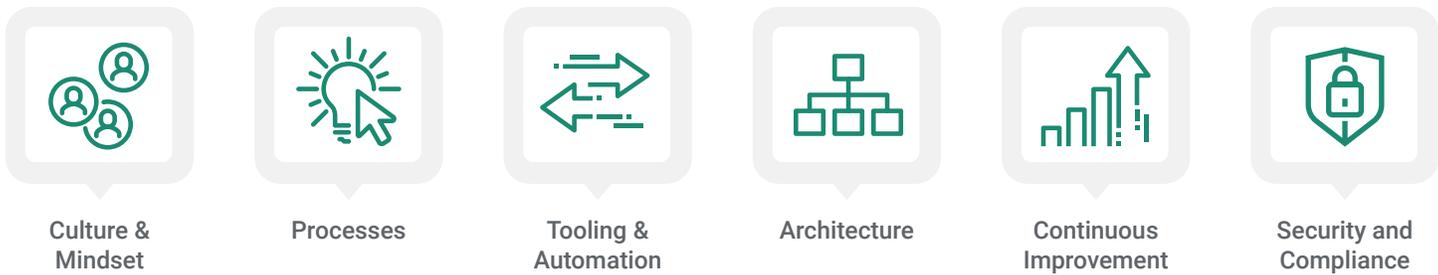
DevOps creates a collaborative culture that enables faster speed to market, higher quality products and a continuous feedback loop. The transformation enables the financial services industry to bring superior value to the market more efficiently and with lower costs. DevOps allows financial services to continuously enhance the quality of applications using process automation, frequent testing and updates, leverage modern architectures and ensure production readiness.

**Speed to Market**  
 In spite of the slower nature of core finance systems modernization, Taos brings the people, tools and process together to make this happen quickly.

**Modernization Journey**  
 We extract customer-relevant features, then abstract and modernize those components using a microservices based architecture with DevOps CI/CD for speed to market and meeting consumer need. Taos then assesses production readiness for new services.

**Security and Compliance**  
 New working models are designed to help DevOps teams maintain and enforce security and adhere to compliance and audit requirements.

## DevOps Focus Areas



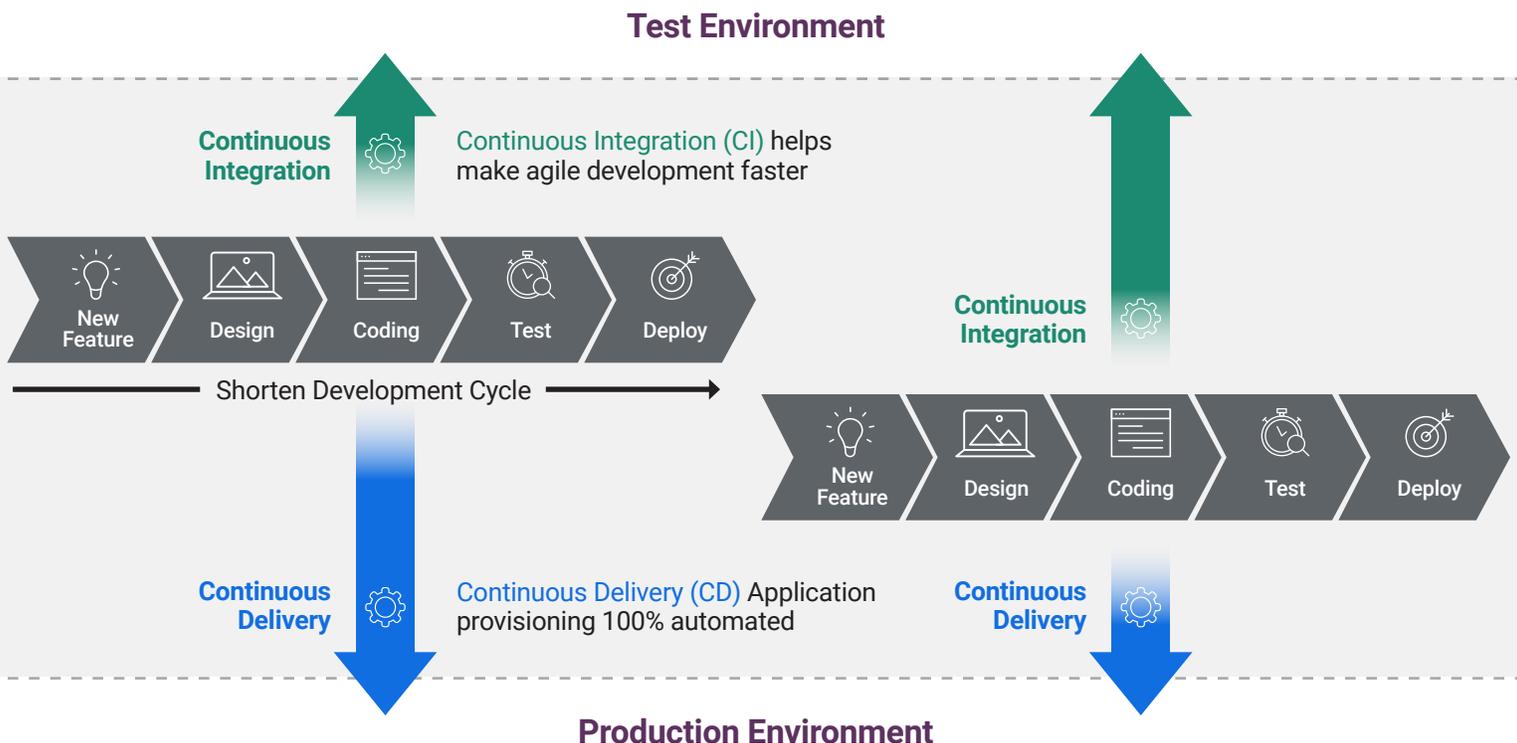
Journey to Successful DevOps Adoption	Focus Area
Gain alignment across the organization and identify clear outcomes. The goal is to create transparency, agility, and collaboration.	Culture and Mindset
Select first-mover applications to test processes, learn, and achieve a successful pilot project.	Processes
Collaboratively design automated, secure, and scalable architectures.	Processes
Build an effective DevOps toolchain to enable CI/CD.	Tooling and Automation
Establish a secure, scalable, and compliant configuration with a safe "Landing Zone" for migrations.	Architecture
Gain the tools, automation and execute knowledge transfer for application migration, enabling teams for a controlled handoff.	Culture and Mindset
Continuously improve and scale through automation.	Continuous Improvement
Mature CI/CD and shift toward immutable infrastructure.	Architecture
Implement observability, testing, feedback, and response systems.	Continuous Improvement
Focus on continuous improvement in order to reduce toil.	Culture and Mindset + Continuous Improvement
Service abstraction and microservice architecture recommendations.	Security and Compliance
Production readiness of new services.	Security and Compliance



## Taos Approach to Successful DevOps Adoption

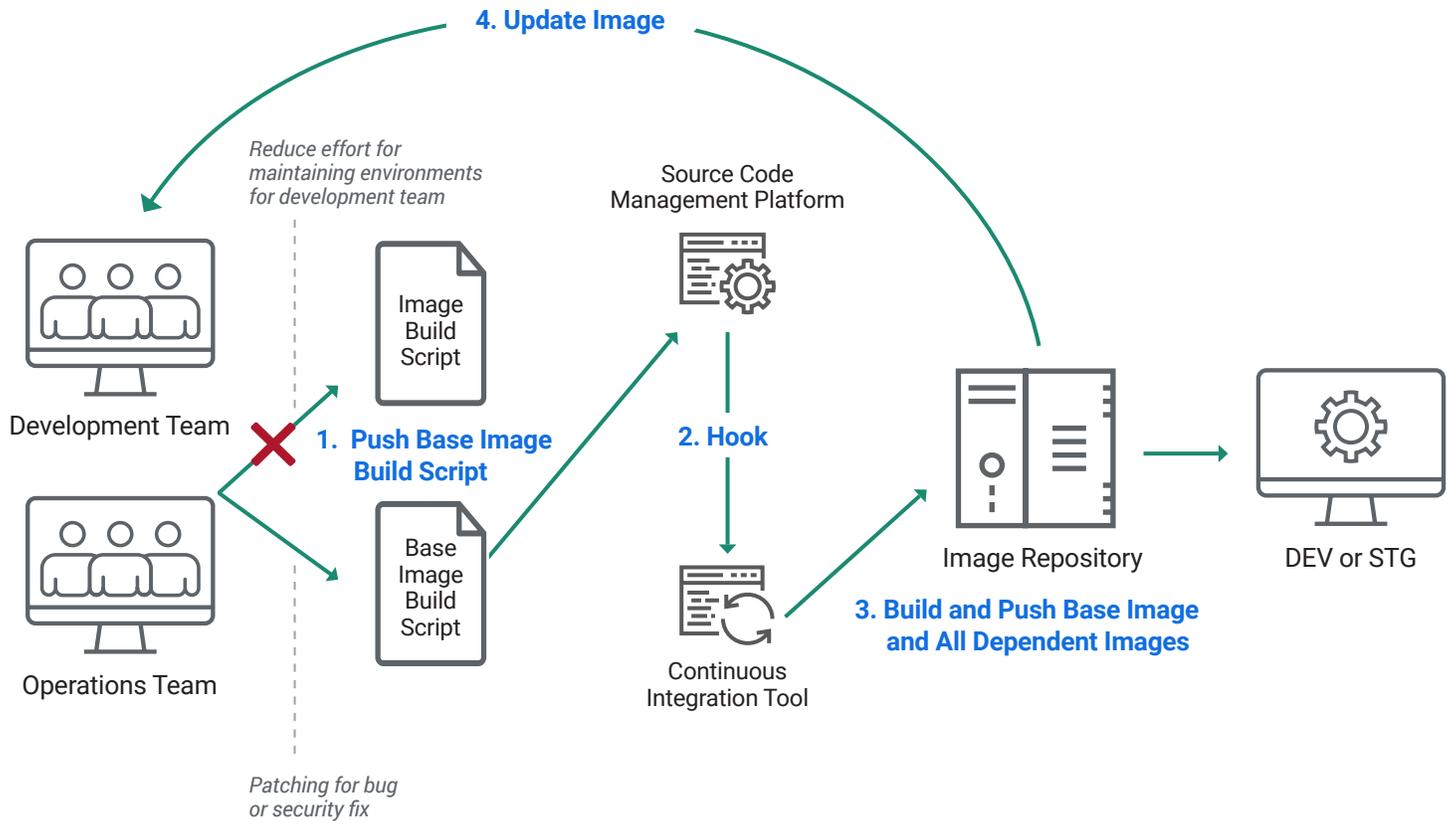
Taos believes in cloud-centric DevOps that focuses on cloud-native and automation-first principles, CI/CD pipelines, configuration management, automation, and containerization and Kubernetes adoption. But DevOps also depends on other strategic areas lining up for impactful, sustainable success. Taos brings in the technology and finance industry expertise needed to put you on the best path to meet your digital goals.

## Industry best practices - Agile development



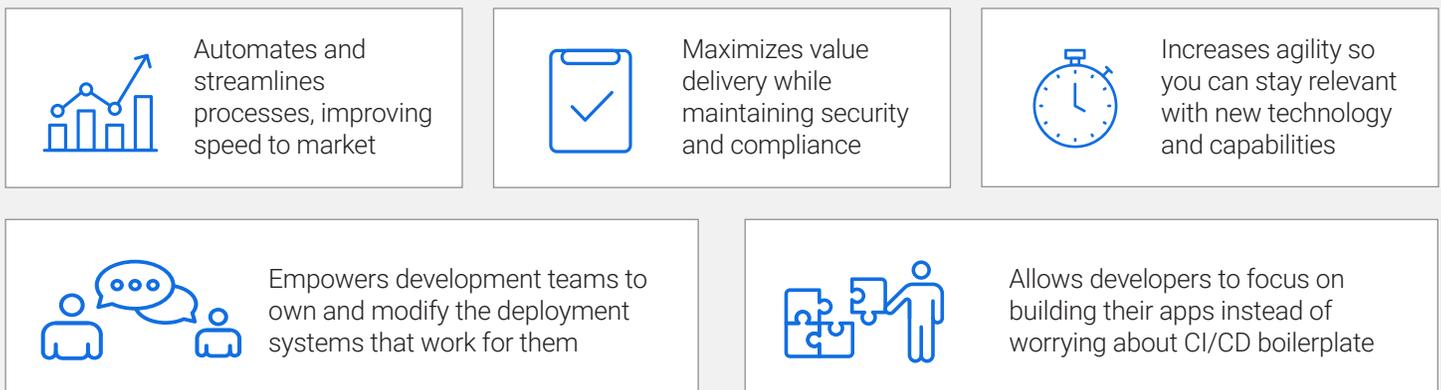
## Industry best practices - CI/CD governance

Governance needs special attention when it comes to your CI/CD automation. The correct controls need to be applied to the right places, and DevOps teams need a solid understanding of the potential risks and how to proactively make adjustments to continuously address them. Taos can help you do this.



## Taos FinServ DevOps Toolchain

While DevOps is not just about tools, they're definitely core to your DevOps strategy. Taos has developed a recommended **FinServ DevOps Toolchain** that provides an integrated set of DevOps tools and technologies best suited for highly regulated financial environments. Working with the Taos FinServ DevOps Toolchain takes the guesswork out of choosing your tools and:



## Taos DevOps Services

### Professional Services for DevOps Modernization

Using cloud-native, automation-first principles, Taos helps customers modernize their DevOps, accelerating their journey and cloud adoption. Modernization solutions are designed to deliver transformational IT and business outcomes via cloud-native professional and managed application services, built exclusively from public hyperscale cloud infrastructure and platforms services.

### Managed Services with Taos DevOps Now™

DevOps Now is a managed service that gives you access to high-value DevOps resources in an agile way. With broad expertise from legacy to bleeding edge technologies, the DevOps Now service helps you modernize and optimize your digital infrastructure.



Customer showcase

### DevOps Modernization Services for a Regional Bank

#### Challenge

Customer needed to modernize and transform their legacy environment to improve efficiency in managing critical infrastructure, increase speed to market for new initiatives, and rapidly leverage public cloud platforms as they are made available.

#### DevOps with Taos

Taos deployed a DevOps framework to support cloud and infrastructure automation and orchestration. Taos also performed cloud Readiness, Reference Architecture and Operational Support Framework Design, and Deployment Services.

#### Outcome

- ~40% improved productivity
- 95% faster deployments
- Enhanced security posture
- Eliminated configuration drift
- Deployed multi-region, highly secure cloud tenant for mission critical apps



Customer showcase

### DevOps Modernization Services for a Statewide Retirement System

#### Challenge

Customer requested an evaluation of their entire software development lifecycle. The outcome of the assessment provided the customer with a complete end to end CI/CD design and program.

#### DevOps with Taos

Taos helped the customer develop and implement test automation and orchestration for improved product quality while integrating a source code management platform for proper code validation, secrets and application vulnerability checks, and team collaboration; implemented a configuration management framework to ensure desired state configuration and codify infrastructure deployment mechanisms; redesigned continuous integration tool orchestration infrastructure for CI/CD strategy implementation.

#### Outcome

- New source control strategy to enable proper code validation and immediate test automation
- 40% reduction in defects
- Eliminated configuration drift
- 90% faster deployments

## Why Work with Taos

Taos has a differentiated ability to support clients on their cloud journey: 30+ years of history at the forefront of emerging technologies has helped develop a unique understanding, enabling clients to see benefits across hybrid and multi-cloud environments. Taos is skilled at collaborating with clients to identify business objectives and then develop secure and compliant cloud architectures that meet the business needs of the financial industry while ensuring the security of customer data.

### Financial Expertise

- Extensive experience with mid-sized and enterprise financial businesses
- Experience architecting and deploying an extensible infrastructure to support application development in highly regulated financial services industry
- Skilled at digital transformation of legacy platform and infrastructure and modernization of development pipelines
- Based on client's requirements and deep understanding of security, we excel at picking the correct DevOps toolset that will align with regulatory compliance requirements
- Experience developing processes that adhere to PCI-DSS, SOC2, ISO 27001, PII, GLBA
- Cross domain expertise in management and/or program management, security policies and practices, networking, and hybrid cloud infrastructure



#### Our Core Principles

- Hire, develop, and retain the best
- Listen to and focus on the customer
- Invest in our people to stay current on emerging skills



#### Deep Technical Expertise

- 600+ technologists
- Vetted through rigorous, proprietary Taos TIV™ process



#### DevOps for Hybrid and Multi-Cloud

- Across 2,000+ large and mid-sized corporate and enterprise clients
- Flexible behind the scenes and high-profile engagements

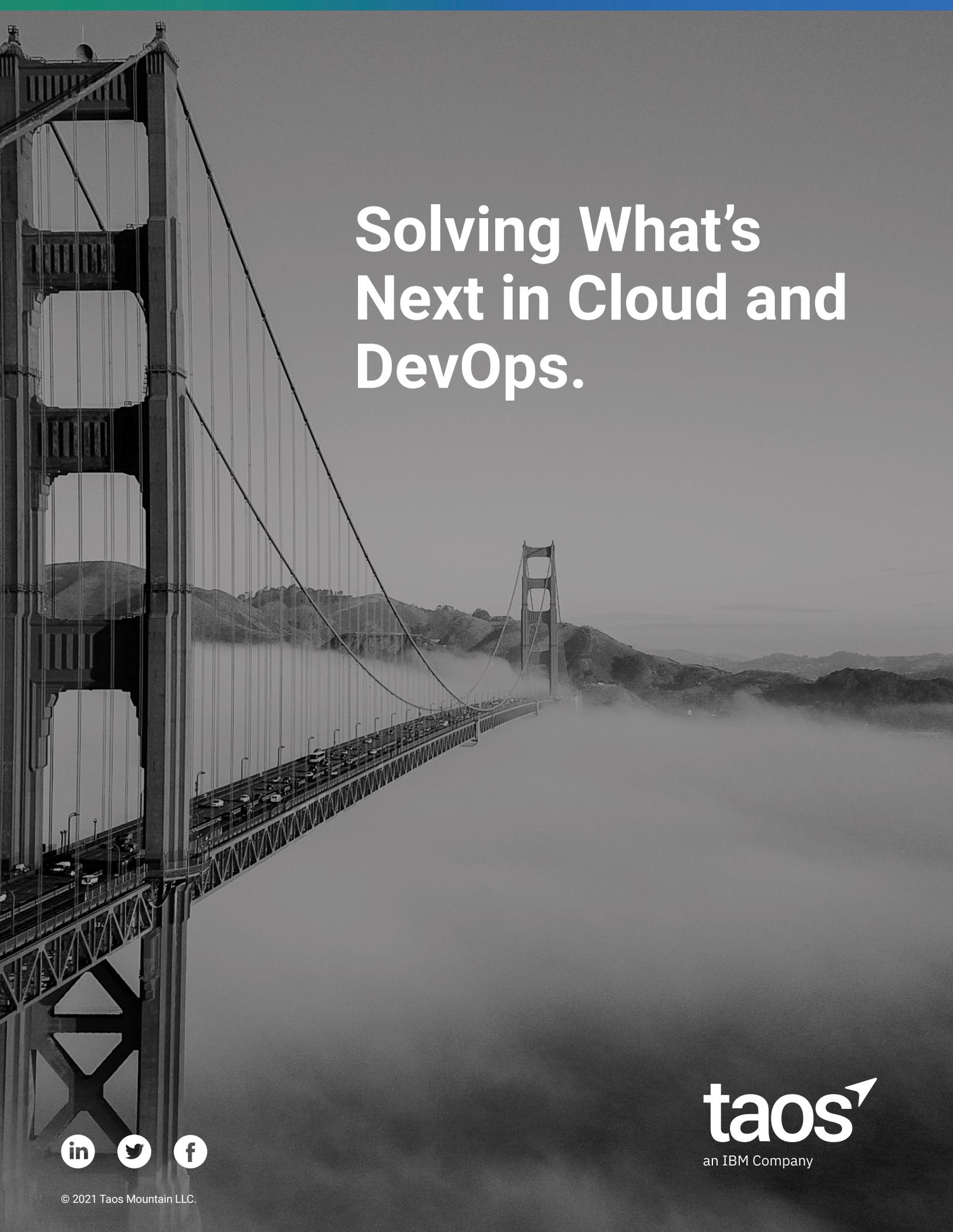
#### Core Competencies

✓ AWS DevOps Competency   ✓ Microsoft Gold DevOps   ✓ Google Cloud Premier Partner   ✓ Gartner referenced service

## Jump-start Your DevOps

For more information on Taos DevOps Services, please visit [www.taos.com/services](http://www.taos.com/services).



A black and white photograph of the Golden Gate Bridge, viewed from a low angle looking down the length of the bridge towards the other tower. The bridge's suspension cables and towers are prominent on the left side. The bridge deck is filled with cars, and the surrounding landscape is hazy and foggy.

# Solving What's Next in Cloud and DevOps.



**taos**<sup>↑</sup>  
an IBM Company