

Pythian



Cloud Platform Adoption, Migration & MS



From anywhere to cloud: The Pythian vision

Providing technical wisdom, operational excellence, and financial clarity for every step of your cloud journey.

Pythian guides organizations through the comprehensive lifecycle of cloud adoption. From the initial architecture of a secure landing zone to the ongoing management of complex, multi-cloud estates. Whether your environment spans Google Cloud, AWS, Azure, OCI, or critical SAP workloads, our objective is to establish a scalable foundation that supports both current operations and future innovation. We adhere to a “cloud done right” philosophy, ensuring that your transition, whether from on-premise data centers or between clouds, is executed with strategic precision, operational maturity, and strict financial governance.



The challenge: Why cloud projects stall

Organizations often struggle with misaligned strategies that lack executive buy-in, spiraling costs resulting from inefficient lift and shift migrations, and internal teams overwhelmed by the dual burden of

learning new technologies while maintaining legacy systems. Without a disciplined approach to discovery and dependency mapping, these factors inevitably lead to security drift, stalled migrations, and business cases that fail to deliver the promised return on investment.



Infrastructure migration & optimization:

Moving to the cloud or optimizing an existing estate is not just about changing locations; it is about fundamentally upgrading your operational capabilities. Our approach treats migration and optimization as a unified journey, ensuring that your target environment is not only secure and scalable but also actively tuned for peak efficiency from Day 1.



Infrastructure migration:

Moving beyond lift and shift, we transition workloads into well-architected, IaC-driven environments.

- **Structured evolution:** From 7R assessments to final cutover, we execute a rigorous migration wave plan to minimize risk.
- **Foundation first:** We build secure, compliant landing zones with baked-in IAM and networking guardrails before migrating a single workload.



Infrastructure optimization:

A moved workload isn't always optimized. We deep-dive into the five pillars of the well-architected framework: Cost, performance, reliability, security, and Operational Excellence.

- **Targeted tuning:** We resolve bottlenecks by right-sizing Kubernetes, fine-tuning databases, and hardening networks.
- **FinOps & performance:** We balance CapEx and OpEx with automated scaling, ensuring you never overpay for idle resources while maintaining business resiliency.



Pythian's cloud landing zone service

Building on an unverified foundation invites failure. Before migration begins, we establish a secure perimeter using our cloud landing zone service. This is a time-boxed, 3-week implementation designed to accelerate data adoption.

- **Infrastructure as Code (IaC):** We utilize Terraform or CloudFormation to deploy automated, scalable, and compliant environments. This ensures that identity management (IAM), network security, and governance controls are baked in from Day 1.
- **Rapid time-to-value:** By automating the setup of ingestion pipelines and security access controls, we allow you to start deriving analytics insights in days rather than months, providing a scalable foundation that supports future AI and machine learning initiatives.



Pythian's VM workload migration service

We treat migration as a precision engineering task. Our VM workload migration service employs a Migration Factory approach to minimize risk and manage the complexities of external dependencies and regulatory compliance.

- **Structured 4-phase plan:** We execute a rigorous process starting with kick-off & planning to align schedules, followed by automated discovery and design to map every server dependency. We then execute workload migration in agile sprints to lift and shift workloads with minimal downtime, concluding with a complete knowledge transfer and handover.
- **Multiple cloud execution:** Our certified experts specialize in rehosting workloads to AWS, Microsoft Azure, and Google Cloud, managing complex AD/authentication requirements and ensuring that your new environment is fully documented and handed over to your internal team with zero vendor lock-in.

DevOps & cultural transformation:



The right culture: Pythian's DevOps and GitOps services

Tools don't solve challenges; culture does. We bridge the gap between development and operations to foster collaboration, automation, and continuous improvement.

Cultural transformation – self-reliance: We enable your teams through educational handovers and skill gap analysis, ensuring they can own the new stack.

- **GitOps adoption:** We tutor teams on GitOps, moving infrastructure management into version control for speed and auditability.
- **Skill bridging:** We turn operators into engineers with the training and runbooks needed to self-manage the platform long-term.



CI/CD modernization:

We deploy continuous delivery patterns for minimal RTO and maximum agility.

- **Automated pipelines:** Tools like ArgoCD, Jenkins, and GitHub Actions eliminate manual toil and human error.
- **Resiliency by design:** Automated testing and rollbacks act as guardrails, allowing rapid feature releases without compromising stability or security.



Financial clarity: Pythian's FinOps service

The flexibility of the cloud demands rigorous financial accountability. Pythian's FinOps services provide the governance and visibility necessary to control spend across AWS, Azure, Google Cloud and others.

- **Visibility and governance:** We implement the processes and reporting structures needed to align IT spending with business value, moving organizations beyond reactive budgeting.
- **Active optimization:** We actively identify and eliminate zombie resources, optimize commitment management (reserved instances/savings plans), and right-size infrastructure. On average, our clients realize 20–35% monthly cost savings, freeing up budget that can be reinvested into innovation and growth.



The right amount of support: Pythian's InfraOps service provides Operational Excellence & Continuous Transformation

Modern infrastructure management requires a balance between maintaining today's stability and building tomorrow's capabilities. Our

infrastructure managed service is built on a unique "OE + CT" (Operational Excellence + Continuous Transformation) model that supports your estate wherever it resides—whether you are maintaining critical on-premise workloads, managing a hybrid environment, or fully migrating to the cloud.

- **Operational Excellence (OE) – stability:** We assume full responsibility for the 24/7 health of your systems, acting as an extension of your team. Our global engineering teams monitor **45+ technologies** across Linux, Windows, Unix (Solaris), Storage (NAS/SAN), and advanced networking. We ensure strict SLAs with a 15-minute response target for critical (P1) incidents, handling everything from patching and backup verification to vulnerability scanning.

- **Continuous Transformation (CT) – evolution:** Stability must not come at the expense of progress. While OE ensures uptime, our Continuous Transformation model dedicates specific engineering hours to proactively modernize your environment. For on-premise estates, this means preparing workloads for migration; for cloud environments, it means refactoring for efficiency and automation. We actively work to evolve your infrastructure, utilizing anomaly detection and automation modules to prevent future service degradations.



Why Pythian?

A partnership, not just a vendor. We operate with transparency and a strict “zero vendor lock-in” policy. We hand over all code, runbooks, and documentation, ensuring you never lose ownership of your environment.



Global expertise, local touch

- **3 decades of experience:** We bring decades of data and infrastructure wisdom to every engagement, supporting over 30,000 databases and complex systems globally.
- **Multiple cloud mastery:** As Premier Partners with Google Cloud and experts in AWS, Azure, Oracle, and SAP, we provide vendor-agnostic advice that serves your best interests.
- **Global delivery:** Our support model ensures that expert help is available 24/7/365, anywhere in the world.

Ready to transform? Let Pythian provide the technical wisdom and operational commitment your organization needs to thrive.