

PYTHIAN ANALYSIS SERVICE FOR SECURITY

# Go Further With Pythian's Security Posture Analysis Service

**Don't just verify that security controls exist—ensure they're actually effective**



In a world of rapidly escalating cyber threats, understanding the current state of your information security is vital. But while most organizations have security policies and systems in place, they are not always effective. In fact, half of all enterprises have suffered a significant breach over the past 12 months. Misconfigurations cause 65-70% of all security breaches, and 72% of enterprises expect the rate of cloud misconfiguration will worsen or remain the same over the next year.

It is therefore more urgent than ever not just to deploy security solutions but to validate them. And while there are many security audit solutions available, few are detailed enough to prevent these types of problems.

Pythian's Security Posture Analysis Service goes further. It harnesses Pythian's deep technical expertise and implementation skills across the widest array of cloud platforms, workloads, and use cases. You'll receive a detailed report with actionable, prioritized recommendations developed by senior security architects. You'll also get detailed recommendations on any adjustments and remediations necessary to minimize your attack surface.

## Detailed Assessments

Our experienced security engineers will provide you a clearer view of your security posture through a detailed assessment of your systems, the potential threats, and the controls you have in place to help mitigate them.

## Actionable Recommendations

Prioritized, actionable recommendations to help address identified security gaps or weaknesses.

## Breadth and Depth

Whether you need an overall assessment of your policies and controls, or you need help assessing the technical implementation of a specific workload, Pythian has the experience and expertise to help.

## Highlights

- Detailed platform reviews, ensuring effectiveness of security controls.
- The provision of actionable recommendations to close any security gaps.
- A service that fits your security needs—whether you're looking to evaluate your process against best practices or want a more technical assessment of security effectiveness.
- A supportive and expert partner when it comes to implementing security recommendations.

## Flexible Customer Engagements

Draw upon Pythian's detailed analyses and recommendations to help guide your in-house efforts to button up your systems. Or take advantage of Pythian's SecDevOps experts to implement those recommendations for you quickly and cost-effectively.

## Choose from two distinct but compatible service types, based on your needs, with Pythian's Security Posture Analysis Service.

Security is a challenging area, especially when it comes to understanding your security posture. Sometimes you need a broad-based assessment to ensure alignment with appropriate corporate or industry policies/standards. And sometimes you need to drill deep down into the implementation details of a specific workload to help validate that it has been properly architected and configured. Each requires different skill sets, tools, and methodologies. Pythian can do both. Our **Process and Controls Assessment** provide a broad-based quantitative & algorithmic assessment of an organization's security posture. And our **Technical Implementation Assessments** are tightly focused around the security implementation of a specific platform in terms of current controls, attack surface and vulnerabilities. Together, these assessments provide a comprehensive quantitative analysis of your threat and asset landscape.

### 1. Process and Controls Assessment

A high-level assessment of the overall security posture of your cloud infrastructure based on your policies, processes, and controls. Pythian performs a detailed exploration of each control, analyzing the likelihood of potential threats, their business impacts, and their blast radius. This quantitative analysis provides a coherent basis from which to prioritize enhancements or fixes to your security architecture.

### 2. Technical Implementation Assessments

In security, the devil is in the details. And in order to prevent the often subtle misconfigurations that allow so many security incidents, you require a detailed approach to both assessment and implementation. Our expert team of experienced security engineers is able to provide that deep-dive analysis of your specific workload or platform.

And when it comes to security, each platform or tech stack has its own threats and quirks. Pythian's extraordinary combination of both breadth and depth of services – from securing databases to orchestrating containerized systems, from identity and access management to deploying collaboration systems – help ensure that whatever systems you have deployed, Pythian can help ensure they are as effective as possible.

## You Can Rely On Pythian Expertise

### Unmatched expertise—from ETL to ML and everything in between

Your security journey requires a broad range of skills and experience. Pythian's 25 years of proven expertise in cloud and data security and compliance, security strategy, database and data warehousing architecture, artificial intelligence, machine learning, and other advanced analytical and data sciences will help you combine data, analytics and cloud technology into innovative, impactful, and secure business solutions.

## A flexible partner for the entire journey

We'll help you at every point on your cloud and data security journey, from security strategy development to designing and deploying your data or cloud platform securely at scale across your enterprise. We'll also help you harness the power of the cloud to turn your data into insights and predictions, help with data governance and security, and keep your data flowing 24 hours per day, 365 days per year.

## Highly cost-effective

A system is more than the sum of its people. From the push-button deployment of integrated infrastructure to dynamic schema evolution to dashboards that monitor and alert on anomalies, Pythian's team brings a technology portfolio to enhance and expedite your data security journey cost-effectively.

## Exceptional support

Every cloud and data security project has many moving parts, so to keep things moving smoothly and efficiently, Pythian has coupled proven methodologies with a dedicated, experienced project manager for every project to ensure delivery of the agreed-upon outcomes at the agreed-upon time.

## Synergistic services

You can seamlessly extend your Pythian relationship to include the management of your cloud or data platform with Pythian's DataOps managed service or Pythian's FinOps cloud cost-optimization service.


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## Get started with Pythian

If you'd like to harness Pythian's deep technical expertise and implementation skills to ensure a selected platform or workload's security effectiveness, email us at [info@pythian.com](mailto:info@pythian.com) to get started.

 [linkedin.com/company/Pythian](https://www.linkedin.com/company/Pythian)

 [twitter.com/Pythian](https://twitter.com/Pythian)

 Contact us at +1-866-798-4426 or [info@pythian.com](mailto:info@pythian.com)

## ABOUT PYTHIAN

Founded in 1997, Pythian is a global IT services company that helps organizations transform how they compete and win by helping them turn data into valuable insights, predictions and products. From cloud automation to machine learning, Pythian designs, implements and supports customized solutions to the toughest data challenges.

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