



Public Cloud Native (PCN)

What's in a cloud?

The idea of the cloud has become thoroughly mainstream. Every day, more and more businesses turn to cloud-based solutions to solve different operational problems, from basic data storage issues and application development to complex network security concerns. However, as with many technologies we rush to adopt while they're fresh and new, there is a great deal about the cloud that we might not yet understand – both its hidden pitfalls and potential – and have yet to tap into.

The journey to cloud brings with it both risks and rewards. Many organizations focus on the rewards and expect Public Cloud Service Providers (PCSPs) to cover the risks. However, the responsibilities must be properly understood and managed by all parties. System governance and security remain key issues; businesses must be able to understand all the hidden means to optimize and oversee their systems, and sensitive data must be protected as the move is made through this fluid new platform.

Make the most of the cloud

NTT Security's Public Cloud Native (PCN) tackles these growing issues head-on. PCN assists you in adapting to this agile new environment, providing mechanisms for safe application developing/publishing environments, and provides comprehensive tools and training to allow you to understand everything available to you from your service provider.

Public Cloud Native provides:

- Full visibility of service controls implemented by the CSP, allowing for full understanding of the cloud environment
- Monitoring and detection of security risks related to policy, best practices, and compliance
- Tracking of native controls and backplane, assuming absence of other third-party controls

Benefits of Public Cloud Native:

- **Full control**
Full visibility of service controls implemented by CSP, allowing for complete understanding of cloud environments.
- **Risk/reward balance**
Understanding your cloud capabilities allows you to work in the fluid, adaptive cloud environment with confidence and security
- **Multi-cloud support**
Support for multiple cloud service provider offerings and no additional agents or appliances needed
- **24/7 assistance**
Round-the-clock support from our expert Security Operation Centers
- **Customized analysis (enhanced)**
Fully customizable Incident Event Analysis with 24/7 specialist support
- **Continuous improvement**
PCN-E offers Shield X, a micro-services solution integrating with your development cycle and offering continuous, incremental updates to improve security

Figure 1: What Public Cloud Native does



PCN is available at two levels

Standard

Public Cloud Native Standard (PCN-S) is for those organizations who are not planning to change their entire structure, with standardized policy and compliance requirements across a core set of security technologies. PCN-S service uses a standardized rule and anomaly-based compliance profile to identify and report on security incidents for the following supported Cloud Service Providers:

- Amazon Web Services (AWS) – CloudTrail
- Microsoft Azure – Azure Monitor

Detections include:

Security Best Practices – security incidents that indicate a deviation from a pre-defined baseline of best practices and recommendations, such as authentication failures, policy changes or unauthorized API calls.

Business Policy Compliance – security incidents that indicate a deviation from a pre-defined baseline from NTT Security's standard policy compliance requirements.

Benchmark Compliance – reporting against industry standard frameworks.

Enhanced

The Enhanced service (PCN-E) is expressly designed for organizations looking to fully explore all the options open to them through the cloud. PCN-E uses customized rules to perform the work of identification and reporting on the above-listed CSPs that you contract, allowing greater visibility and protection within your systems than can be offered by traditional methods, such as classical firewalls.

Additionally PCN-E offers **SHIELD X**, a micro-services solution containing scaled-out services that fully integrate with your development cycle and offer incremental, non-disruptive updates. Shield X is a transparent, non-obstrusive addition, working directly with you to continuously improve our PCN-E service.

About NTT's Security Division

We are the specialized security division and the center of excellence in security for NTT. With embedded security, we enable NTT to deliver resilient business solutions for clients' digital transformation needs. With multiple SOCs, seven R&D centers and over 2,000 security experts, we handle hundreds of thousands of security incidents annually.

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