Amidst evolving cybersecurity challenges, including sophisticated cyber-attacks, cloud vulnerabilities, and the expansion of attack surfaces, there is an acute need for solutions that not only detect and respond to threats but also provide comprehensive visibility and risk management across diverse infrastructures.

96%

of professionals consider the use of a single cloud security platform with a single dashboard to be moderately to extremely helpful

36%	40%	20%	2%	2%
Extremely helpful	Very helpful	Moderately helpful	Slightly helpful	Not at all helpful
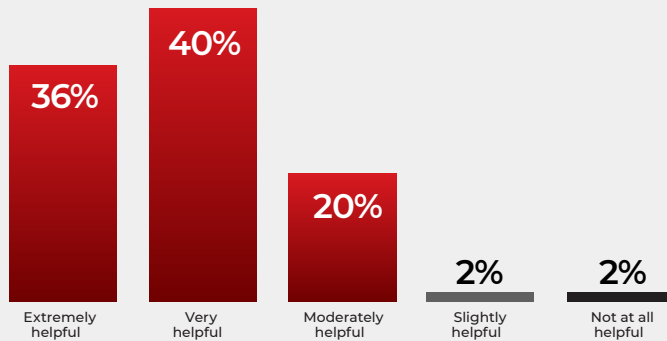
How helpful would it be to have a single cloud security platform with a single dashboard where you could configure all of the policies needed to protect data consistently and comprehensively across your cloud footprint?

An overwhelming 96% of respondents confirm that having such a platform would be advantageous for protecting data consistently and comprehensively across the cloud footprint.

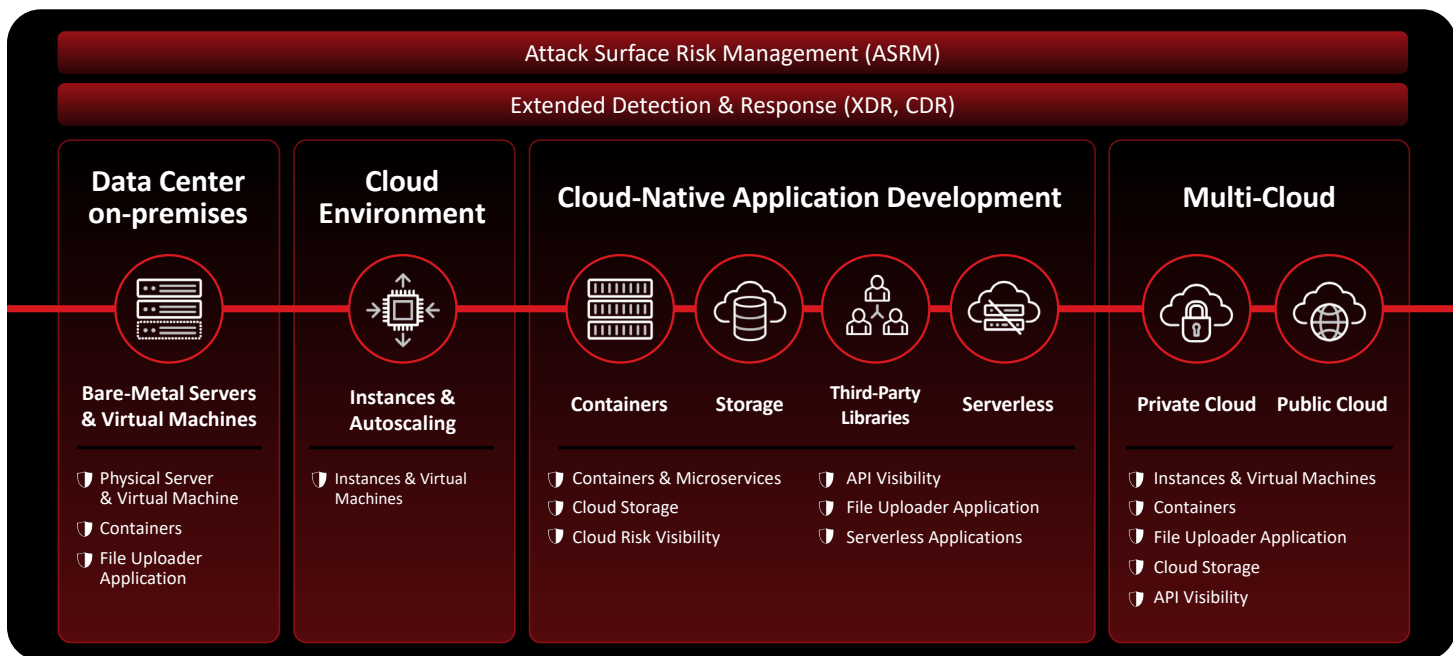Source: 2024 Cloud Security Report produced by Cybersecurity Insiders

Trend Vision One – Cloud Security directly addresses this insight by offering a modern, AI-driven cybersecurity platform that spans data centers, cloud workloads, applications, and cloud-native architectures. It delivers comprehensive visibility, risk assessment and prioritization, and multi-cloud detection and response (CDR), across servers, workloads, containers, and files. This solution is designed to meet organizations at any stage of their security journey, enhancing their ability to detect threats earlier, respond faster, and effectively reduce risk through a powerful enterprise cybersecurity platform.
The solution integrates best of breed capabilities such as Cloud Security Posture Management (CSPM), External Attack Surface Management (EASM), Cloud Infrastructure Entitlement Management (CIEM), agentless vulnerability and malware scanning, API visibility, and compliance checks. It secures workloads across AWS, Azure, GCP, multi-cloud, and on-premises environments.

The key to its effectiveness is its role within the Trend Vision One platform, which consolidates telemetry from diverse sources including networks, workloads, endpoints, email, and identities. This integration enhances visibility across an organization's complex multi- and hybrid-cloud environment.

The Trend Vision One platform is a comprehensive cybersecurity solution designed to enhance the security posture of organizations across various cloud and on-premises environments.

The platform consists of several key components, each addressing specific security needs:

Attack Surface Risk Management (ASRM) for Cloud

- **Visibility and Decision-Making:**
Enhances visibility into an organization's security posture with over 900 AWS and Azure rules, facilitating informed security decisions.

- **Risk Management:**
Identifies, prioritizes, and remediates high-risk violations and misconfigurations, including overly permissive IAM policies and compliance risks.

- **Compliance and Innovation:**
Supports over 30 compliance regulations with customizable checks and integrates Infrastructure as Code (IaC) scanning to foster secure coding practices.

- **Attack Path Analysis:**
Graphs asset connections to identify and analyze potential attack vectors.

XDR for Cloud (CDR)

- **Hybrid Cloud Investigations:**
Leverages AWS CloudTrail logs for insights into user, service, and resource activities to stay ahead of security threats.

- **Automated Response Actions:**
Automates response actions via playbooks triggered by CloudTrail alerts, enhancing the security response mechanism.

- **Cloud Environment Protection:**
Offers on-demand and runtime protection for VMs, containers, storage, databases, and APIs, ensuring comprehensive cloud security.

Attack Surface Risk Management (ASRM)

Extended Detection & Response (XDR, CDR)

Data Center on-premises

Bare-Metal Servers & Virtual Machines

- Physical Server & Virtual Machine
- Containers
- File Uploader Application

Cloud Environment

Instances & Autoscaling

- Instances & Virtual Machines

Cloud-Native Application Development

Containers   **Storage**   **Third-Party Libraries**   **Serverless**

- Containers & Microservices
- Cloud Storage
- Cloud Risk Visibility
- API Visibility
- File Uploader Application
- Serverless Applications

Multi-Cloud

Private Cloud   **Public Cloud**

- Instances & Virtual Machines
- Containers
- File Uploader Application
- Cloud Storage
- API Visibility

A TRANSFORMATIVE APPROACH TO CYBERSECURITY

The Trend Vision One platform provides a transformative approach to cybersecurity, designed to unify, simplify, and standardize security across diverse IT environments.

Unify

The platform brings integrated security controls under a single pane of glass, offering centralized visibility and management across security layers, service providers, and cloud environments. This unification eliminates silos and fosters cohesive security operations, enhancing the ability to monitor and manage security across varied landscapes without toggling between disparate systems.

Simplify

Trend Vision One optimizes user experiences by connecting platform workflows with cloud automation and orchestration processes. This simplification streamlines operations, making complex security tasks more manageable and enabling teams to focus on strategic security initiatives rather than being bogged down by routine tasks.

Standardize

The solution ensures consistency across cloud platform functions and on-prem data centers. With features like asset discovery and security policy management, organizations can maintain uniform security standards, simplifying licensing and policy enforcement across their entire IT estate.
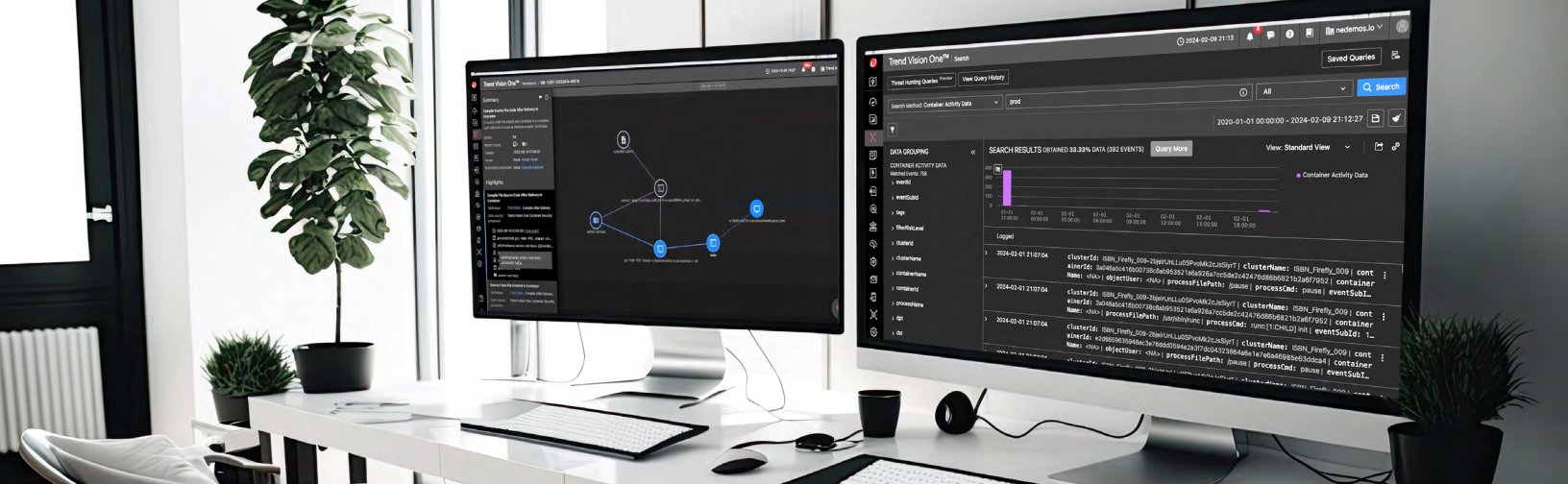
A COMPREHENSIVE, INTEGRATED CYBERSECURITY SOLUTION

Robust capabilities offer a comprehensive, integrated approach to cybersecurity, enabling organizations to navigate the complexities of modern IT landscapes with greater efficiency, visibility, and control.

1 **Cloud Security Posture Assessment:** Offers a free tool to scan cloud infrastructures for misconfigurations and security risks based on common standards and best practices.

2 **Proactive Threat Identification:** The platform aids in the early detection of cloud threats, visualizing risks and prioritizing vulnerabilities, thus enabling organizations to address potential security issues before they escalate.

3 **Rapid Response and Mitigation:** Users can quickly respond to security threats and effectively mitigate breaches, minimizing potential damage and downtime.

4 **Versatile Management Options:** Supports both agent and agentless, as well as runtime and on-demand services, offering flexibility in how security is deployed and managed across environments.

5 **Tool Consolidation:** By reducing complexity, Trend Vision One paves the way for tool consolidation, potentially lowering costs and simplifying security operations.

6 **Enhanced Insights and Compliance:** Facilitates asset discovery, security policy management, and licensing, providing richer insights for better security posture management. Operational metrics can be easily aggregated for executive reporting and meeting compliance requirements.

7 **Orchestration and Automation:** Supports best practices in orchestration and automation, enhancing efficiency and aligning with cloud-native operational models.

8 **Connected Workflows for Incident Management:** Enables the protection, investigation, and remediation of security incidents through connected platform workflows, streamlining the incident response process.

9 **Workload Security:** Integrated threat protection provides advanced protection, detection, and response capabilities for servers and cloud workloads, optimizing security outcomes across various environments.

10 **Container Security:** Comprehensive container protection secures containers from build to termination with image security, admission control policy, runtime protection, and detection and response capabilities.

11 **File Security:** Malware protection for files delivers instant scanning capabilities for all file sizes and types, protecting workflows from malware across cloud storage platforms.

Each component of the Trend Vision One platform is designed to work seamlessly together or stand alone, providing organizations with the flexibility to tailor their cybersecurity strategy to meet specific needs, ensuring robust protection across their digital assets.

"Part of the reason we were drawn to Trend Micro's ecosystem was their ability to correlate information from the multiple layers of the decentralized environment that we have—from laptops, mobiles, tablets, servers, multi-clouds for AWS, Azure, and Oracle Cloud. They have really helped us. The product's automation helps us analyze and detect. The crucial factor we looked for at the beginning was virtual patching, given the fact we have legacy environments."

Jim Leong, CISO, Clough

ABOUT TREND MICRO

Trend Micro, a global cybersecurity leader, helps make the world safe for exchanging digital information. Fueled by decades of security expertise, global threat research, and continuous innovation, Trend Micro's cybersecurity platform protects hundreds of thousands of organizations and millions of individuals across clouds, networks, devices, and endpoints.

As a leader in cloud and enterprise cybersecurity, the platform delivers a powerful range of advanced threat defense techniques optimized for environments like AWS, Microsoft, and Google, and central visibility for better, faster detection and response. With 7,000 employees across 65 countries, Trend Micro enables organizations to simplify and secure their connected world.

www.TrendMicro.com