Cloud Security Protection

Cloud workloads often contain sensitive information such as customer details, intellectual property and financial data. Companies must ensure they have adequate protection.

Cloud Security Protection protects hosts, containers, Kubernetes and serverless functions in multi-cloud environments through-out the entire application life cycle (build, deploy and run).
Cloud Security Protection is a CWP (cloud workload protection) solution that offers comprehensive protection for cloud workloads through the analysis of vulnerabilities, continuous monitoring, proactive threat detection and automated security measures. The service can be extended with modular functions to meet customer requirements and be connected with a security operations centre (SOC).

Your benefits with Cloud Security Protection

Continuous monitoring

Enables seamless monitoring of your cloud workloads in real time to detect security risks at an early stage. ✓

Proactive threat detection

Identifies and responds automatically to threats before they can cause damage. ✓

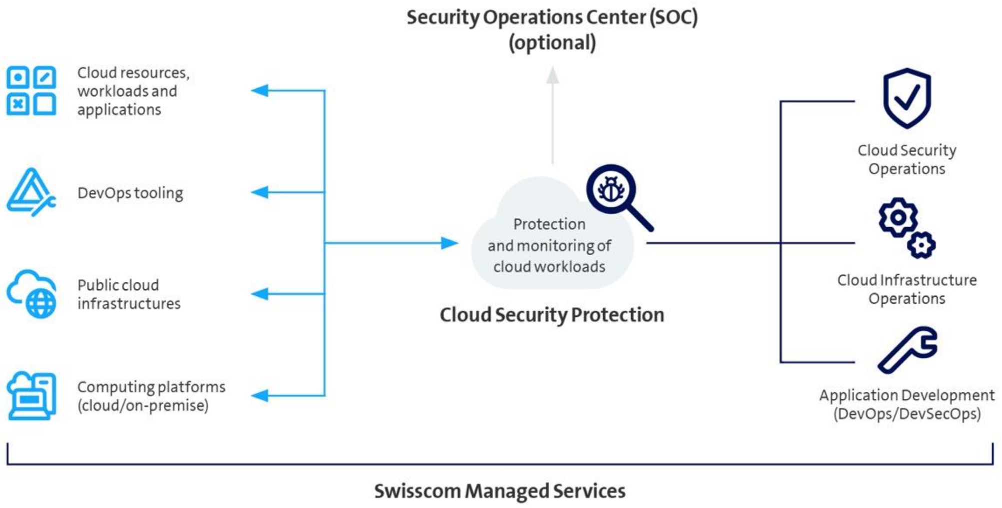
Vulnerability management

Identifies and assesses vulnerabilities in cloud workloads to enable targeted security measures aimed at reducing risk. ✓

Independent from public cloud providers

The solution is independent from public cloud providers (Azure, AWS, GCP) and can be used in a multi-cloud environment. It also provides the same protect for solutions that are installed on different public cloud infrastructures. When switching cloud provider, the established security implementations remain unchanged. ✓

How Cloud Security Protection works


Security Operations Center (SOC)
(optional)
Cloud resources, workloads and applications
DevOps tooling
Public cloud infrastructures
Computing platforms (cloud/on-premise)
Protection and monitoring of cloud workloads
Cloud Security Protection
Cloud Security Operations
Cloud Infrastructure Operations
Application Development (DevOps/DevSecOps)
Swisscom Managed Services

Facts & Figures

Basic services

Cloud Workload Protection (CWP) / Vulnerability Management (VM)
This service module includes a CWP and VM solution that offers flexible protection for cloud VMs, containers and Kubernetes apps, serverless functions and containerised tasks. DevOps and cloud infrastructure teams can apply the architecture that meets your requirements.

- Support for public and private clouds
- Flexible agent-based protection and agentless scanning
- Integrated security throughout the entire application life cycle
- Dashboard access
- Project services for introducing the solution and its life cycle
- Operation of service, alert and incident management
- Monthly billing is determined by the number of monitored cloud workloads

Optional services

Infrastructure as Code (IaC)
The IaC module scans templates throughout the entire development cycle for misconfigurations and revealed secrets. The security policies are embedded in the development environments, tools for continuous integration, repositories and run-time environments. IaC automatically enforces policies as code, prevents the provision of security issues and offers automatic corrections.

Web Application and API Security (WAAS)
The WAAS module offers an integrated approach to the security of web applications and APIs. It supports the OWASP Top 10 and API protection, as well as functions such as vulnerability management, compliance and run-time protection.
The module detects and automatically protects microservices-based web applications and APIs in cloud and on-premises environments.

Software Composition Analysis (SCA)
Proactive resolution of open-source vulnerabilities, licence management and contextual prioritisation.

Secrets Security
Find and secure open and vulnerable secrets in all files in the repositories and CI/CD pipelines.

Data Security
Data classification and malware scans in public cloud storage.

Threat Detection and Response (SOCaaS)
Integration and data provision of the Cloud Security Protection service with Swisscom Threat Detection and Response (SOCaaS) or another customer-specific security operations centre.

Additional services
- Consulting services for introducing and continuously improving cloud security.
- Advice, customer-specific adjustments and changes (time and material) in live operation.

The information in this document does not constitute a binding offer. Subject to changes at any time.