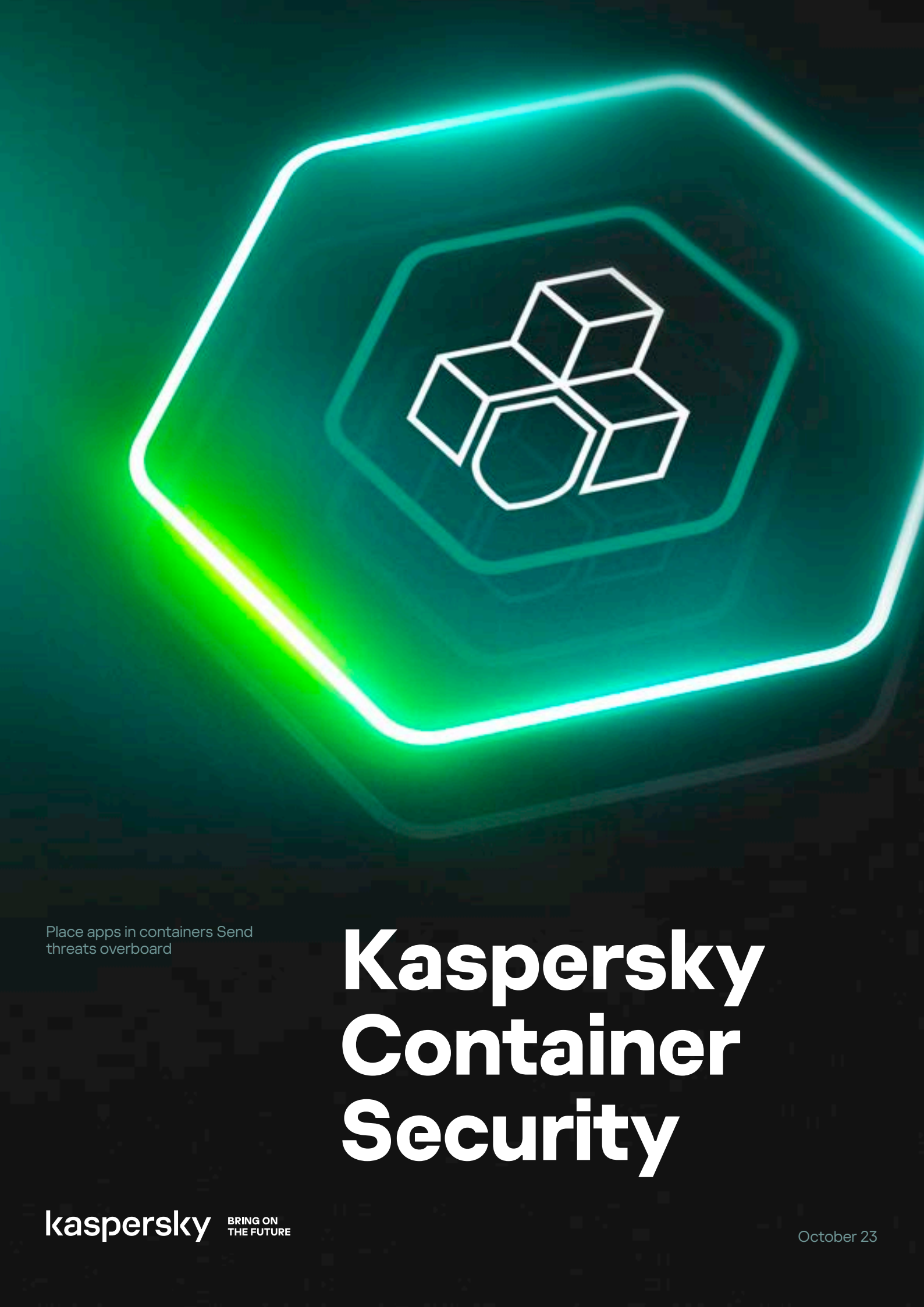


Place apps in containers Send threats overboard

Kaspersky Container Security

kaspersky BRING ON THE FUTURE

October 23

Containerization

Containerization is one of the primary global software development trends. The technology allows to accelerate the app design and delivery process. However, traditional security solutions aren't suitable for the architectural features of containerized environments.

93%

of companies suffered >1 incident in Kubernetes within the last 12 months*

55%

of companies postponed their app releases due to container security issues*

31%

of companies lost clients and/or revenue within the last 12 months due to container security issues*

Protecting containerized environments and enhancing your organization's hybrid infrastructure security

Kaspersky Container Security (KCS) is a security solution that covers every stage of a containerized app's lifecycle, from development to operation. It protects your organization's business processes in line with security standards and regulations, and supports implementation of the DevSecOps approach.

Kaspersky Container Security delivers comprehensive protection from the latest cyberthreats, and automates your compliance audits, freeing up the resources of your information security team to focus on other tasks, and shortening time to market.

Kaspersky Container Security has been developed specifically for containerized environments, ensuring protection at different levels from container image to host OS.

Key features

Integration into the development process

- Integration with image registries and CI/CD platforms
- Integration with security and notification systems

Orchestrator protection

- Enforces runtime container security
- Integration with orchestration platforms
- Monitoring processes and events in the cluster

Regulatory compliance audit

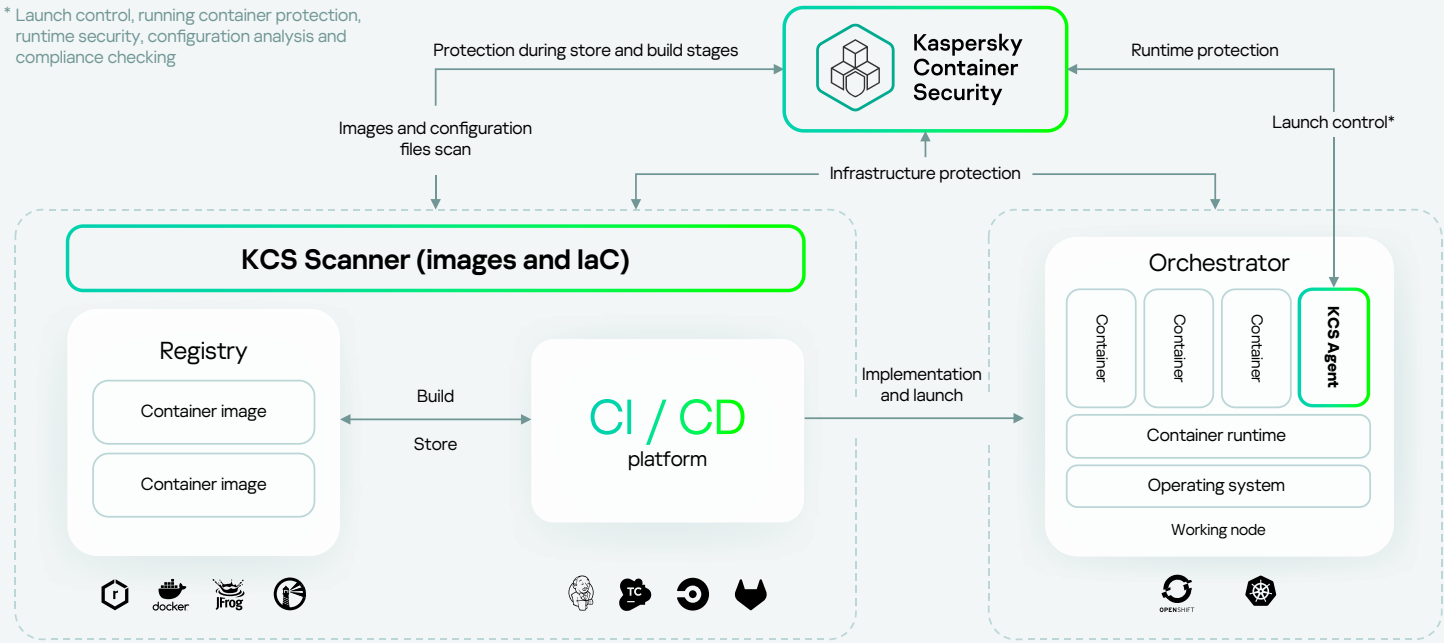
- Vulnerability analysis based on NIST database
- CIS benchmarks audit

Virtualization and inventory of cluster resources

- Fully customized widgets to reveal cross-section data
- Transparent inventory of resources

*Source: RedHat 2022

Kaspersky Container Security architecture



Kaspersky Container Security (KCS) enables protection at every stage of app design and operation. It consists of three components: KCS Agent, KCS Scanner, and KCS Control Server.

KCS Agent

Detects vulnerabilities at container, cluster, and orchestrator levels, ensuring runtime security. Installs into the cluster as a stand-alone container.

KCS Scanner of images and infrastructure

Checks the image registry for relevance and security. The scanner also checks images as part of the CI process, thus reducing the build stage risks. Installs into the cluster with the orchestrator's server components.

KCS Control Server

Responsible for monitoring the status of the solution components and interaction between them, as well as aggregation of information on detected events. Installs into the cluster with the orchestrator's server components.

Integration into the development process

Registry and version control system

Research

- Scans IaC and Dockerfile for configuration errors and secrets
- Checks registry images

CI tools

Designing and testing

- Scans images for vulnerabilities, malware, and secrets

Orchestrator

Execution

- Container launch monitoring and control in accordance with security policies
- Behavioral analysis of containers

CD tools

Delivery and deployment

- Image delivery control and security policy compliance audit

Advantages for business

Globally renowned security

Kaspersky Container Security's features and capabilities are in line with global best practices for container security

Internationally recognized and award-winning protection

Comprehensive protection for containerized environments

Protection at different levels of the containerized environment architecture

App security for every stage of the lifecycle

Easy operation - reliable protection

Real-time visualization of threats

Reduces the necessity of involving the information security team while improving the quality and speed of security checks

Regulatory compliance

CIS benchmarks audits

Transparent reporting system

Kaspersky Container Security

Learn more

www.kaspersky.com

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