kaspersky | BRING ON THE FUTURE

Kaspersky Hybrid Cloud Security for DevOps

DevOps work under constant pressure – pressure for speed, pressure for accuracy, pressure for innovation. With all that's involved, security requirements can be viewed as a critical friction element standing in the way of DevOps' work. But keeping security away from your critical processes is not the answer – you need a solution that bridges the gap between DevOps and information security.

Platform support

Operating systems:
· Windows
· Linux

IaaS:
· Google Cloud Platform
· AWS
· Microsoft Azure

Containerization platforms:
· Docker
· Windows containers

Virtualization platforms:
· VMWare vSphere and NSX
· Microsoft HyperV
· Citrix Server and virtual apps and desktops
· KVMs (kernel-based virtual machines)
· Nutanix AHV

Orchestration and CI/CD pipelines:
· Jenkins
· TeamCity

Interfaces:
· CLI
· Open API

Bridging the DevOps-information security gap

DevOps adoption is growing fast, focused on business needs, time-to-market, speed, flexibility and complete automation. But security tends to negatively impact one or more of these metrics. For DevOps, the only way to satisfy their KPIs, it seems, is to minimize or completely bypass security, while IT struggles to identify dynamic and growing shadow IT and bring it under the corporate security umbrella.

This gap is further widened by a number of concerns from both sides. Speaking different languages and having different KPIs – these are pain points on their own - doesn't help the situation.

By providing DevOps with a complete toolset and the interfaces necessary to take full advantage of a 'security as code' approach, Kaspersky Hybrid Cloud Security bridges the gap between DevOps and IT security, and transforms DevOps into DevSecOps

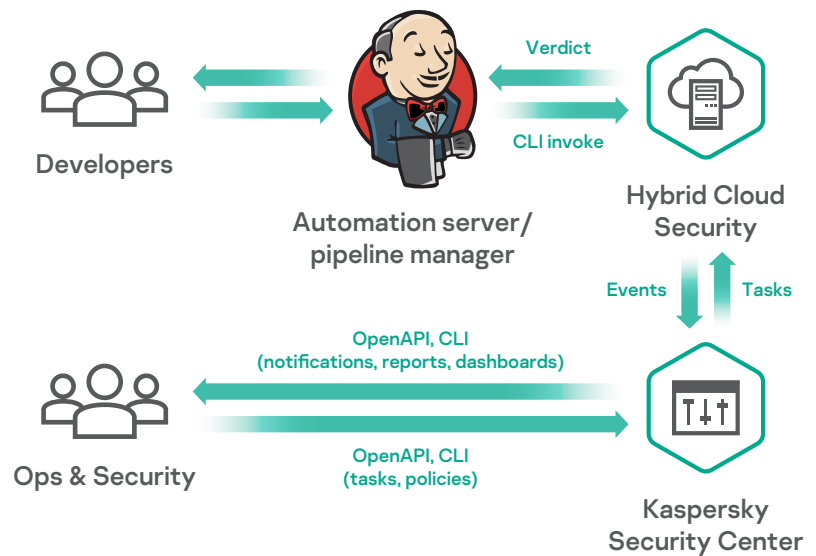| IT needs	DevOps needs
Information risk management	Total configurability
Minimal overheads	An 'everything as code' approach – including security
Reasonable growth of the number of management tools	Broad platform support
Positive, 'business enabler' image	Minimal performance impact
	Dynamic – an entity lifecycle can be minutes or even seconds

Enabling DevSecOps with 'Security as code'

Kaspersky Hybrid Cloud Security is an efficient, highly configurable security toolset that can establish a true DevSecOps culture in your organization.

· Secures Linux and Windows platforms, virtualized and public cloud server infrastructures and Docker and Windows containers to prevent attackers from using a malicious container component as a doorway into the organization's infrastructure.
· Provides security control, visibility and risk management tools to IT and IT security administrators

- Offers rich reporting capabilities and policy-based operation.
- Provides integration interfaces for automation and pipeline building to help DevOps to maintain clean corporate repositories and enforce sanitization of entities pulled from public repos.

Kaspersky Hybrid Cloud Security enables "Security as code":

- Containerization platform run-time and memory protection
- Secure-by-default – image and container vetting
- Enabling Security Testing Orchestration
- "Shift-left" – Integration of security routines in the development phase of CI/CD pipelines
- Rich integration capabilities enable "Everything-as-code" approach

Rich integration options

Kaspersky Hybrid Cloud Security also helps to combine lean software practices and just-in-time application building, packaging and delivery in a secure, controlled manner without slowing down the processes.

- CI/CD platform integrations (e.g. Jenkins) simplify pipeline building and automation.
- On-Access (OAS) and On-Demand Scanning (ODS) of containers, images and local and remote repositories facilitates maintenance of sanitized repos for devs' needs.
- Namespace monitoring, flexible mask-based scan scope control and the ability to scan different layers of containers help enforce secure development best practices.

Available in public cloud marketplaces

Kaspersky Hybrid Cloud Security is available in most public cloud marketplaces and offers a number of consumption options, from BYOL to long-term subscription. Free trial is also available and with automated deployment provides for an easy evaluation.

We are proven. We are independent. We are transparent. We are committed to building a safer world, where technology improves our lives. Which is why we secure it, so everyone everywhere has the endless opportunities it brings. Bring on cybersecurity for a safer tomorrow.

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Proven.
Transparent.
Independent.