

CHECK POINT + TWISTLOCK SECURITY, BUILT FOR CONTAINERS

Benefits

- Vulnerability scanning every time a container is deployed to production
- Enforcing compliance with organization policies and industry best practices
- Granular management of user/role based access for container and container orchestration operations
- Zero configuration runtime monitoring for both containers and container host

INSIGHTS

Containers differ from traditional hosts and virtual machines in a few fundamental ways. These differences let Twistlock secure applications running on containers in ways that historically have not been possible. Containers usually serve a single, well-defined purpose, which is typically configured in a declarative way. Additionally, containers are immutable and updates to the application result in a new distinct container image. This makes it possible to automatically build a baseline for the container, monitor its ongoing behavior, and detect any anomalies or exceptions from the baseline. Well-defined workflows for deploying containers allow adding security and compliance checks every time a new version is pushed to production.

TWISTLOCK FEATURES AND BENEFITS

Twistlock provides security for containers throughout the entire product lifecycle, from development to scale.

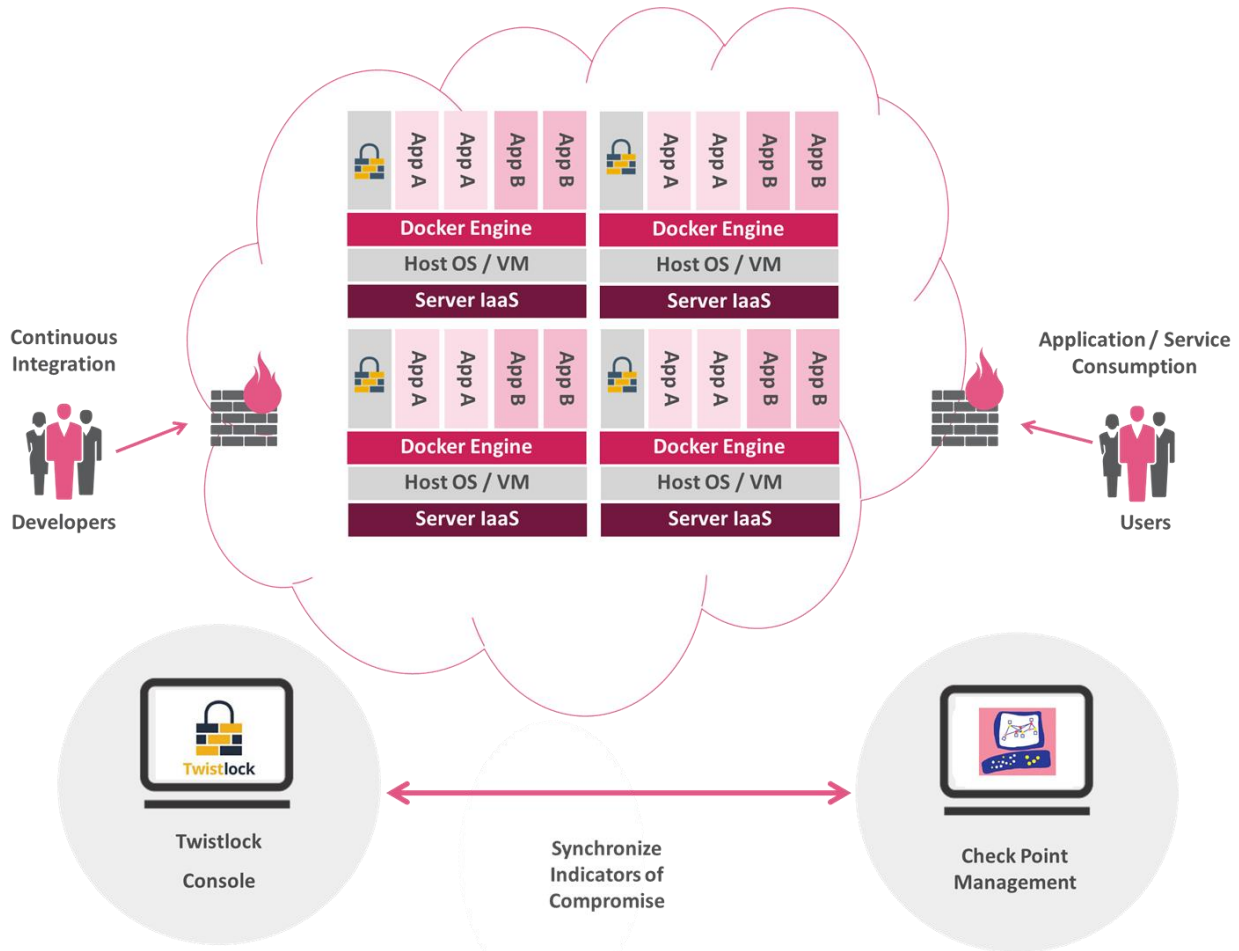
- Vulnerability scanning for the CI (Continuous Integration) process, image registries, and container hosts. The scanning is done against industry standard vulnerability streams as well as custom research done by Twistlock.
- Compliance checks for regulatory adherence, covering both industry best practices and customizable organizational policies.
- Full access control over all container related operations. The authorization system integrates directly with your existing directories, users, and groups.
- Automatic runtime monitoring of deployed containers to ensure containers only do what they are designed to do. The monitoring covers process execution, access to shared resources, and network communication.
- No environment data is sent to Twistlock. Everything can run on premises with full support for air-gapped environments.

JOINT SOLUTION

Twistlock and Check Point offer complementary security capabilities for container based applications. Twistlock has full visibility into the processes running in each container, their activity and resources, such as network ports used by them. When a malicious application is detected by Twistlock, Twistlock can send a notification so that the Check Point firewall policy is updated. For example, if a web service application running in a container is breached. The container running the application now uses a rogue listener on a legitimate port that is initially allowed by the firewall. Once the Twistlock Console and the Check Point policy server synchronize, the breached application would be isolated on the network by Check Point firewalls.

A BETTER APPROACH TO SECURING CONTAINERS

Twistlock and Check Point deliver Docker container security for every stage of the DevOps workflow – with seamless CI integration, extensive API support, and dev-to-production security controls that deliver consistent policies across the container lifecycle.



Twistlock and Check Point Architecture

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com), is the largest network cyber security vendor globally, providing industry-leading solutions and protecting customers from cyberattacks with an unmatched catch rate of malware and other types of threats. Check Point offers a complete security architecture defending enterprises – from networks to mobile devices – in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 organizations of all sizes.

ABOUT TWISTLOCK

Twistlock is the industry's first enterprise security suite for container security. Twistlock technologies address risks on the host and within the application of the container, enabling enterprises to consistently enforce security policies, monitor and audit activity and identify and isolate threats in a container or cluster of containers. Twistlock's mission is to provide a full, enterprise-grade security stack for containers, so organizations can confidently adopt and maximize the benefits of containers in their production environment. For more information, please visit www.twistlock.com/.

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