

FortiCNAPP Recap & Guided CTF

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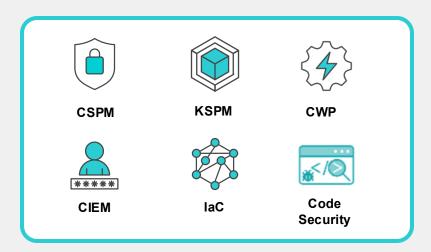
Francisco Menezes

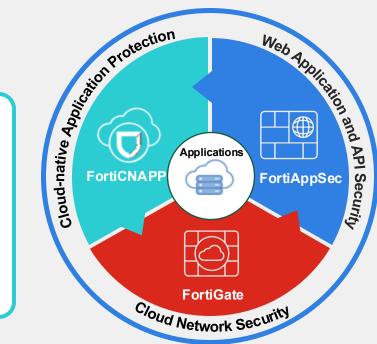


Comprehensive Integrated Code-to-Cloud Security

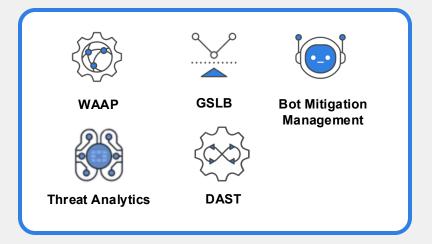
360-degree cloud defense-in-depth protection against all threat and risk vectors

Secure everything from code to cloud faster with unparalleled context and visibility with a single unified platform.

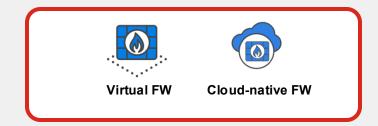




Integrated AI/ML-driven platform to protect business-critical web applications and APIs from attacks that target known and unknown vulnerabilities.



Achieve network visibility and enforcement of **consistent security policies** across private, public, and telco clouds.





How to Address the Native Cloud Security Challenge

Identifying, Prioritizing and Resolving Risks and Threats in Cloud-native Applications



Minimize Attack Surface

Gain comprehensive visibility and proactively reduce vulnerabilities, misconfigurations and excessive privileges without slowing down development.



Continuously Monitor Risks

Continuously assess virtual machines, containers and Kubernetes workloads to address active risks before they are exploited.



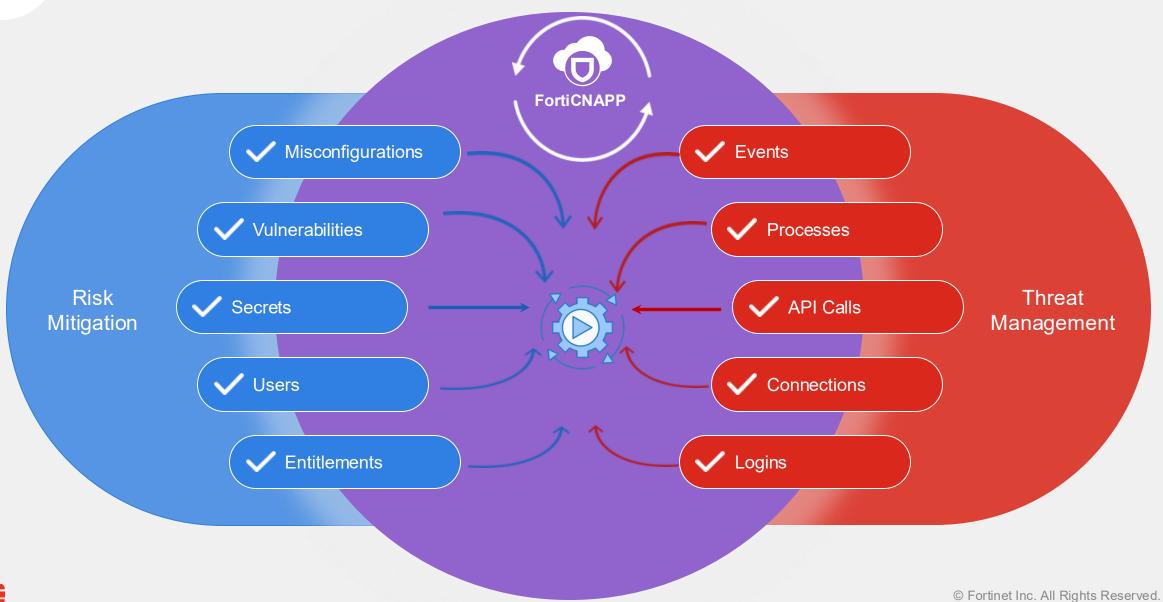
Reduce Threat Impact

Quickly detect, investigate and respond to unusual behavior and active threats including the use of compromised credentials, cloud ransomware and cryptomining.





Prioritization Requires Combining Risk and Threat Context





FortiCNAPP Integration – Step 1:

Read only cloud environment

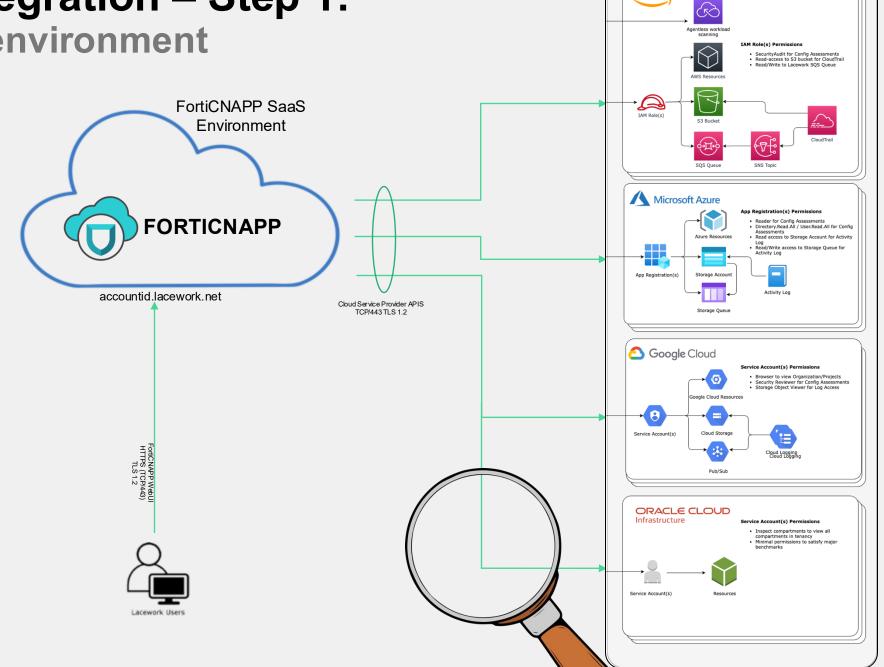
Inventory

CSPM + KSPM

CIEM

Vulnerability

CWP agentless



aws

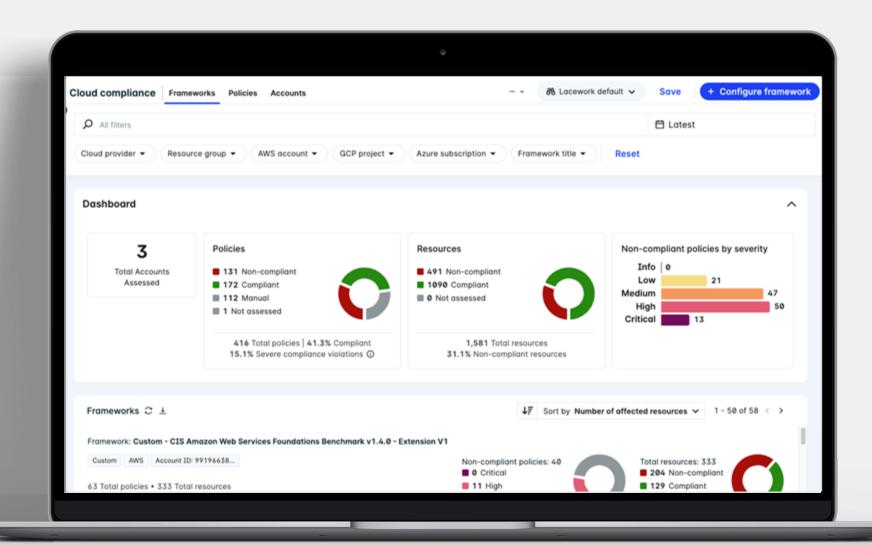




Cloud Configuration

Security Posture Management CSPM and KSPM

- Gain complete visibility of continually changing cloud resources
- Continuously monitor for misconfigurations
- Achieve compliance faster



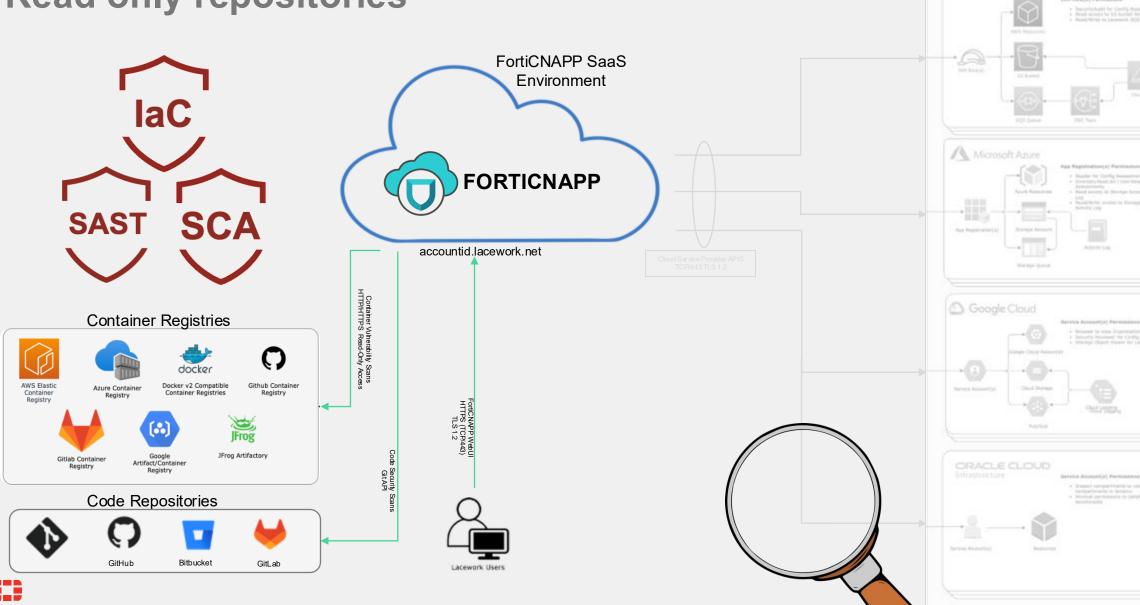


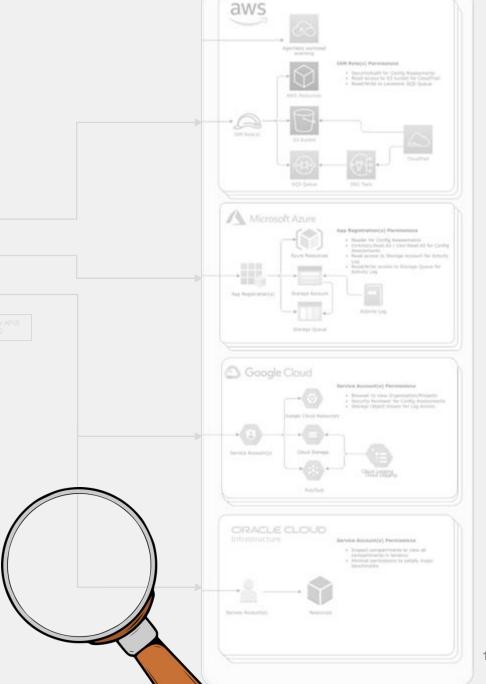
POSSIAMO VEDERE UNA DEMO?





FortiCNAPP Integration – Step 2: Read only repositories FortiCNAPP SaaS **Environment**







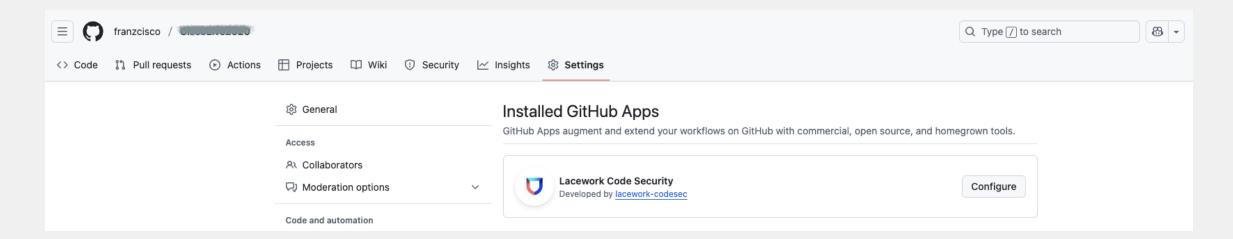


Code Security



FortiCNAPP registers itself as a GitHub App.

Lacework FortiCNAPP Code Security will automatically scan the default branch of all your repositories. Once the scans are completed, you will be able to see the results in the UI.



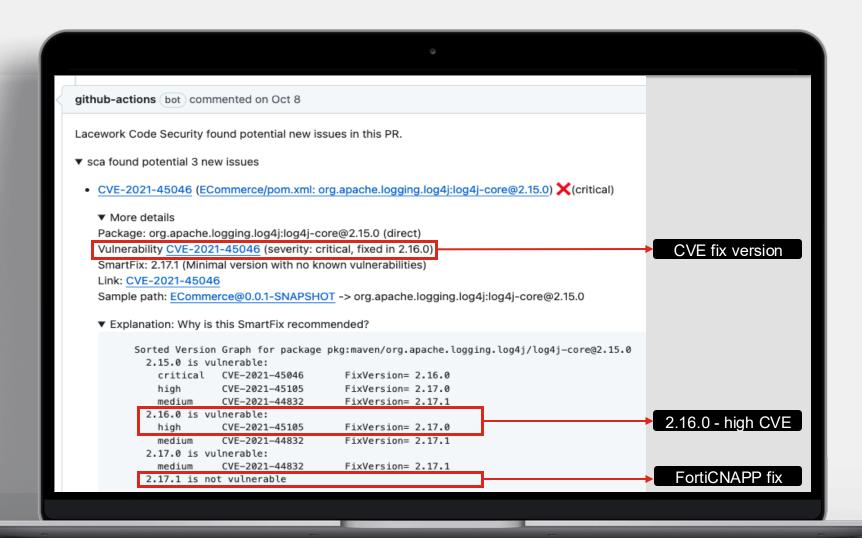




Shift Security Left to Reduce Risk and Remediation Costs

Application and Infrastructure Security

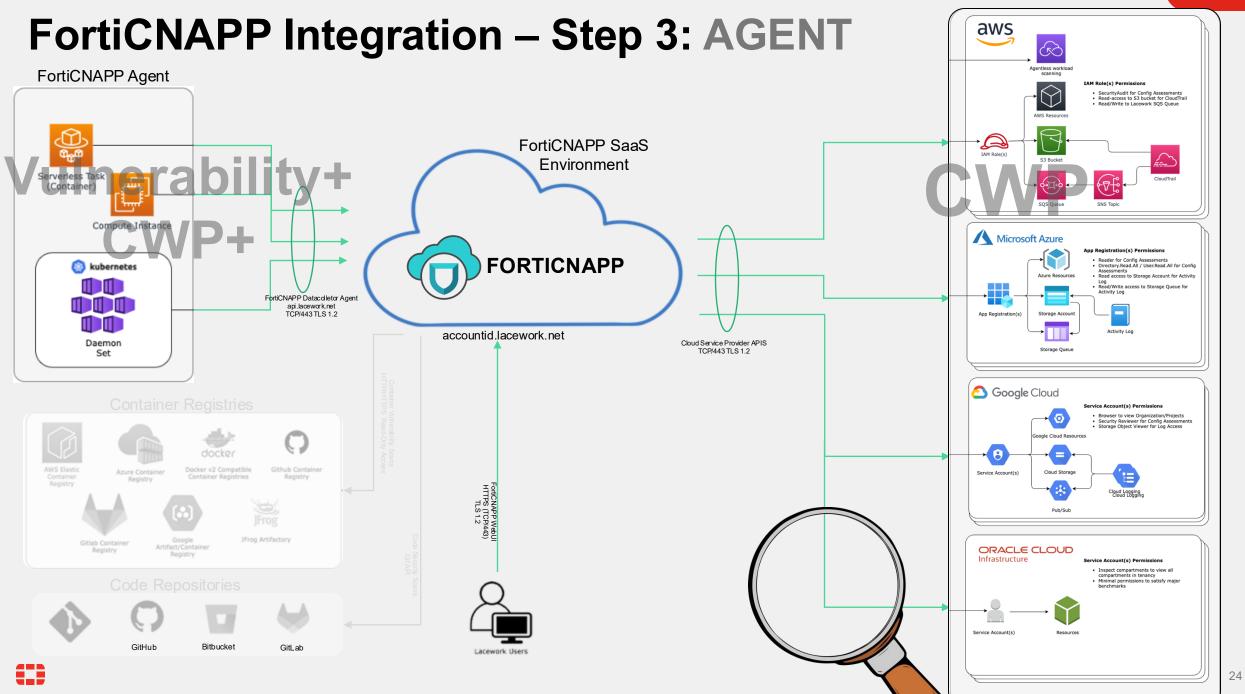
- Gain visibility of software supply chain (SBOM)
- Identify third-party code CVEs (SCA)
- Detect first-party code weaknesses (SAST)
- Secrets detection
- Verify cloud infrastructure configuration (IaC)





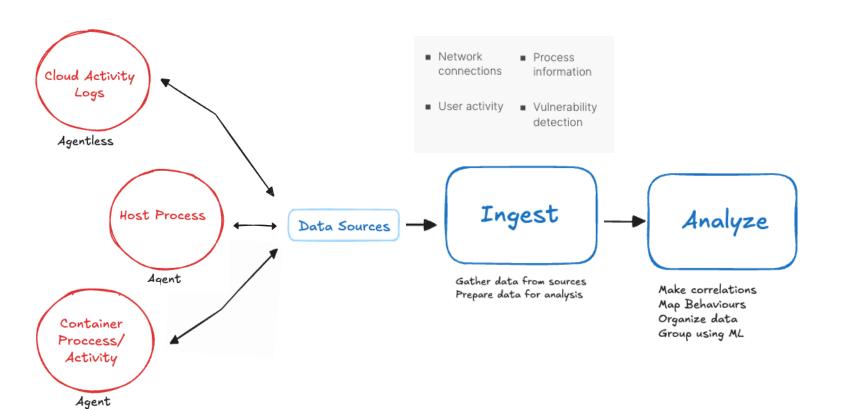
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Runtime Protection



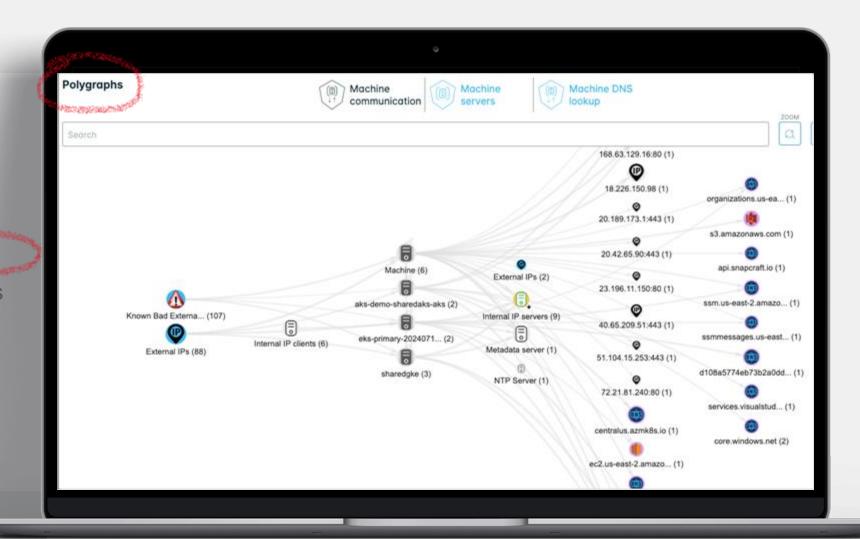




Runtime Protection

Cloud Workload Protection Platform (CWP)

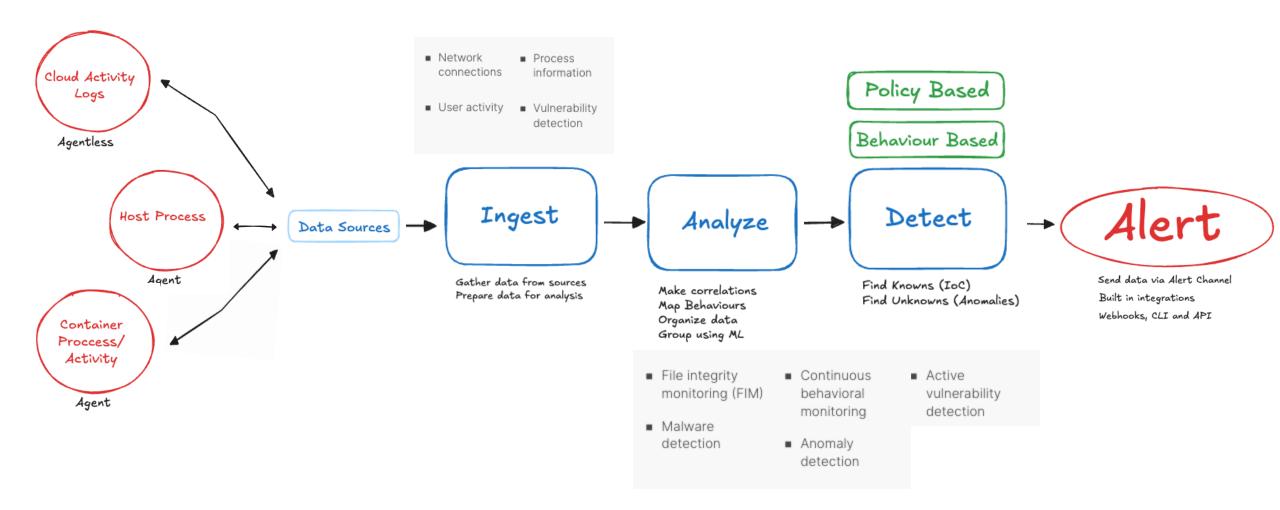
- Map network connections
- Discover anomalous behaviors
- Detect in-progress threats
- Find vulnerabilities across hosts, containers and Kubernetes (K8s)







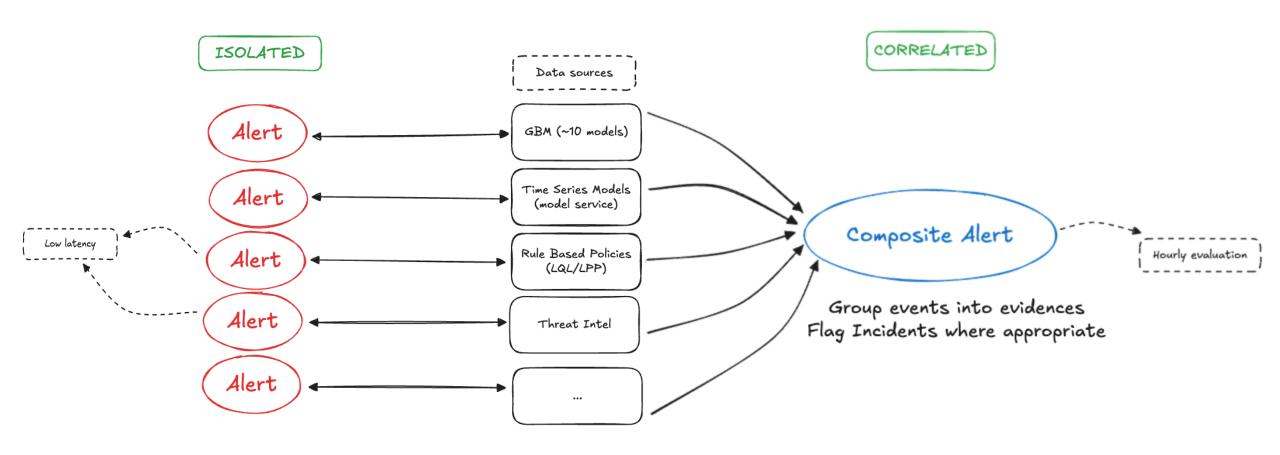
Runtime Protection







Alerting





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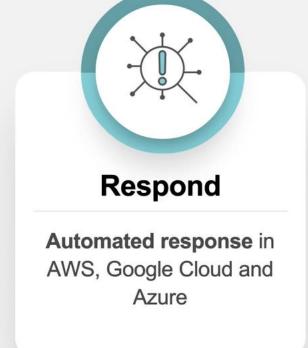
FortiCNAPP Integration – Step 4: Info sharing aws (AM Molecula) Personalisms FortiCNAPP SaaS **Environment** Compute Instance ▲ Microsoft Azure **FORTICNAPP** kubernetes accountid.lacework.net Daemon Google Cloud Service Assessed (a) Permissions **Alert Channels** IBM Docker v2 Compatible IBM QRadar JFrog Artifactory Artifact/Container ORACLE CLOUD Slack Splunk GitHub Bitbucket GitLab Lacework Users



FortiSOAR Automated Response

Automated threat investigation and response









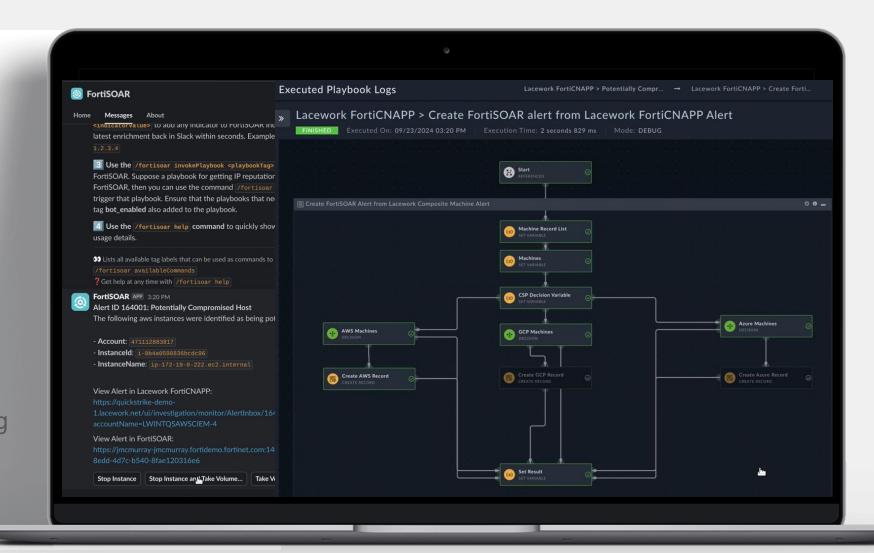




Automate Threat Response

Accelerate Alert Response Times

- Automate remediation and blocking of active runtime threats
- Easily customize and build granular playbooks for FortiCNAPP alerts
- Quickly respond to compromised credentials, ransomware and cryptojacking
- Stop Instance, Stop Instance
 & Snapshot, Take Snapshot





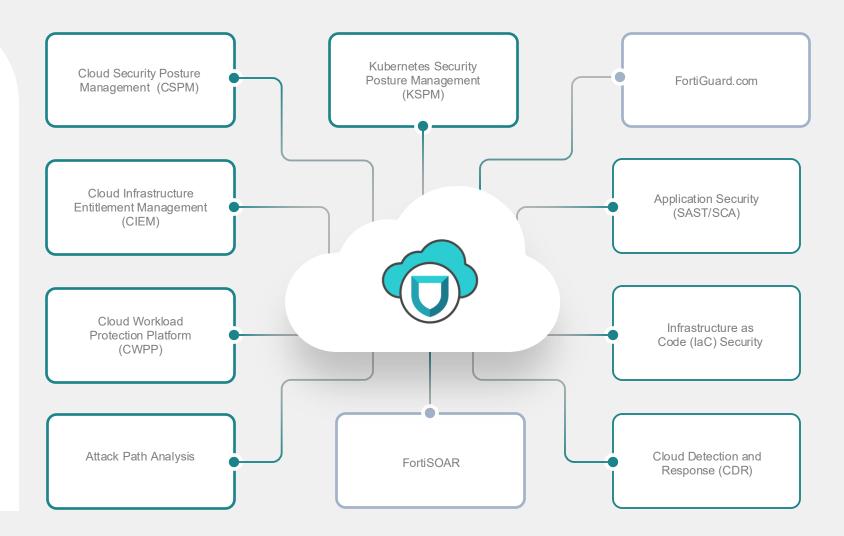
FortiCNAPP Wrap-Up

The Most Complete Al-driven Cloud-Native Application Protection Platform

Single vendor for all cloud security and secure CI/CD application development needs.

See AND protect everything from coding, deploying, and running applications across hybrid and multi-clouds.

Simplify security with Aldriven platforms.





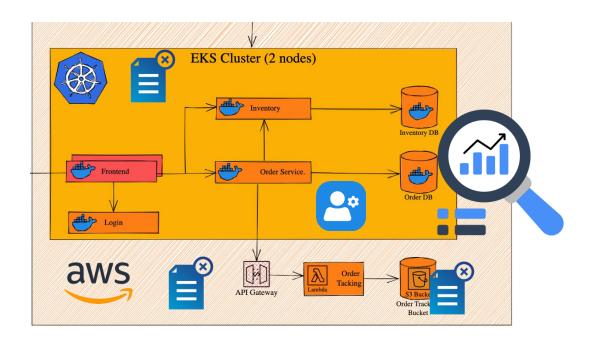
FortiCNAPP

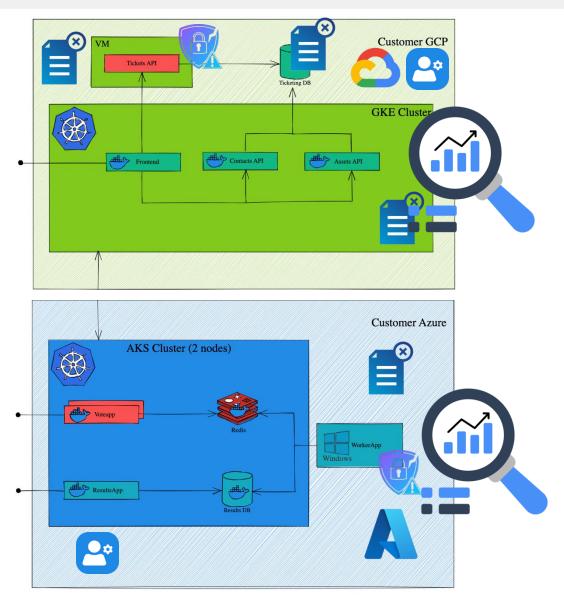
Guided Capture the Flag



The Demo Environment









The Rules

Ambiente Demo accessibile su

https://lucca25.lwctf.com/

Registration Code: LUCCA2025

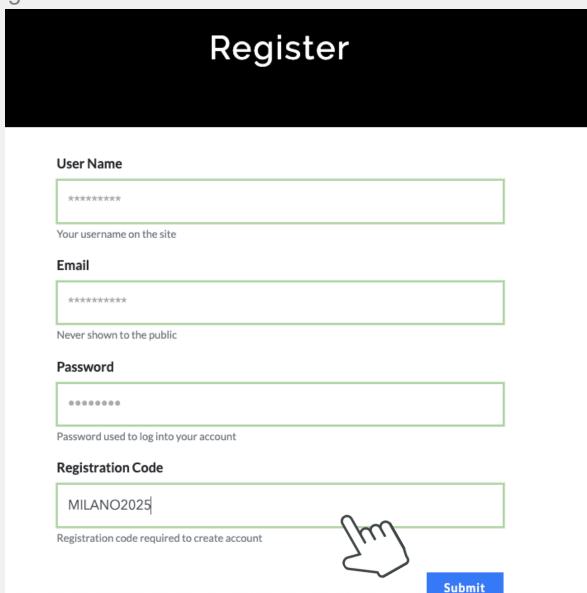


Register to the CTF site





Register to the CTF site



-> Your nickname, how you will be seen on the dashboard

-> Your email

-> Just in case you loose your session

-> Insert «LUCCA2025»

Start Capturing!

Challenges

0. Primo Accesso

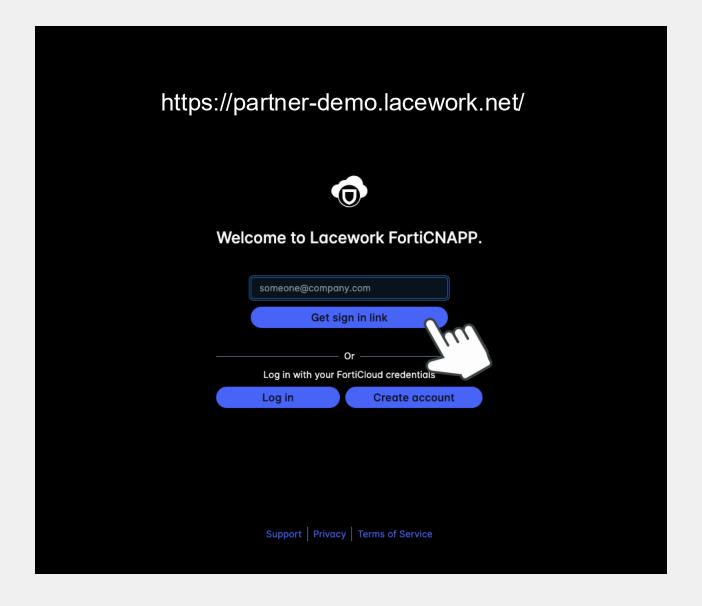
FortiCNAPP: Primo Accesso 60

Per la sfida di oggi, puoi registrarti per ottenere l'accesso all'account appropriato qui (usa per favore un nuovo tab sul tuo browser in modo da non perdere questa pagina):

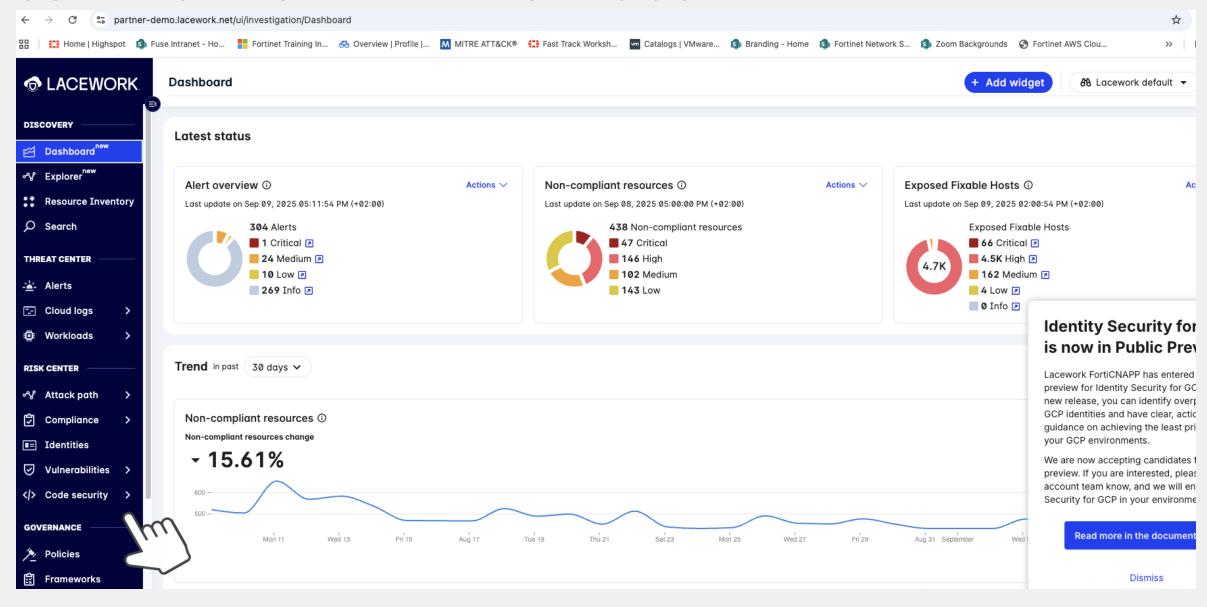
[https://partner-demo.lacework.net]

Inserisci semplicemente la tua email quando richiesto. Dovresti poi ricevere entro pochissimo tempo un'email da Lacework contenente un link che ti reindirizzerà all'interfaccia (occasionamente questa email può essere leggermente ritardata — contattaci se ci mette più di qualche minuto).



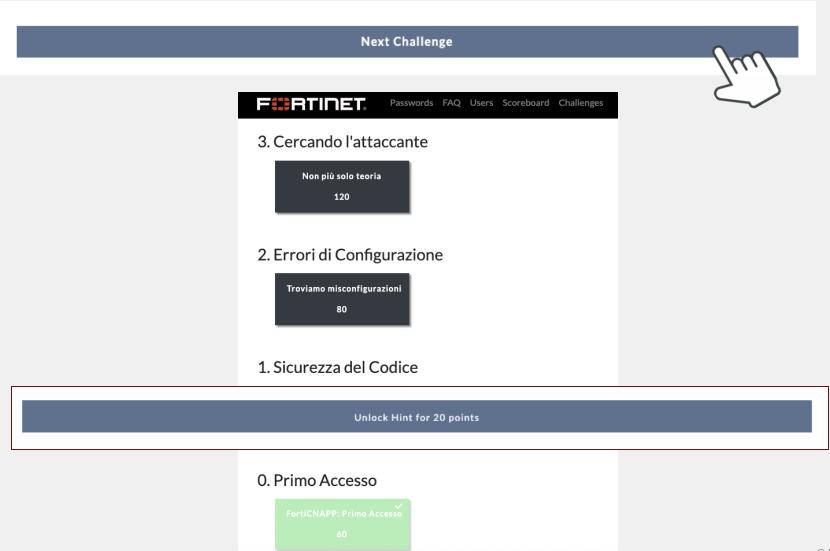






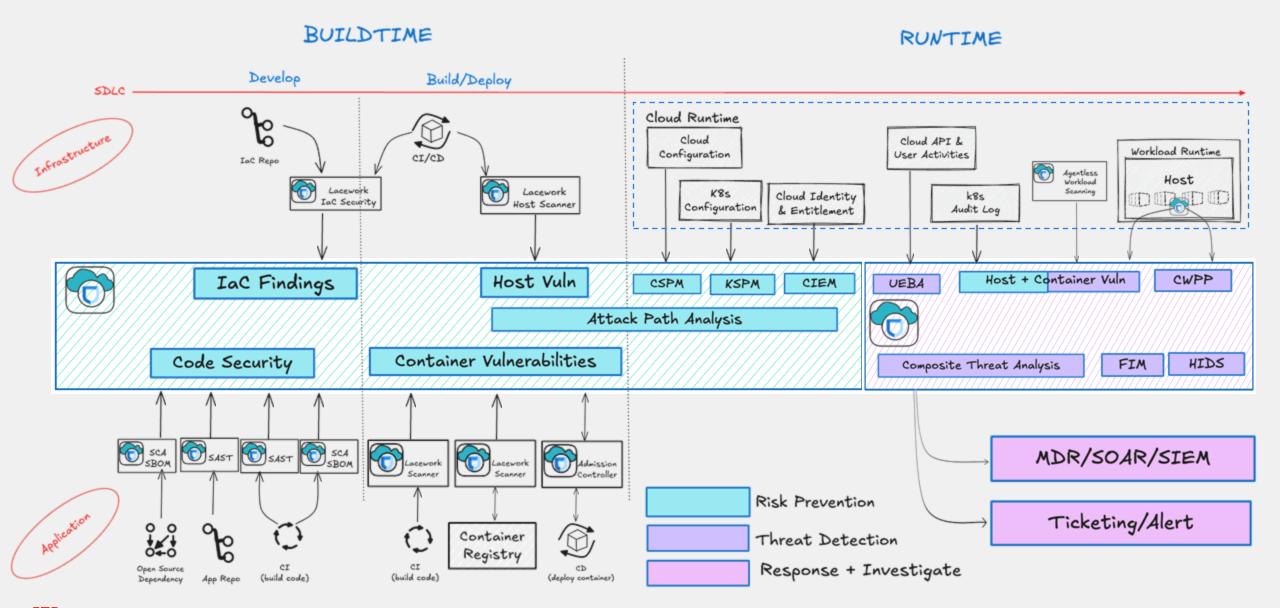


Keep Capturing Flags!





FortiCNAPP in a nutshell





LINK PRESENTAZIONE

https://github.com/caliaf/XPERTS2025



FERTINET