



Securing Digital Transactions with Cloudentity and Imperva

Solution Overview

Imperva has integrated with Cloudentity to provide self-healing security for organizations building cloud-native applications. Now development teams are empowered to move at the speed of business while protecting new customer experiences. Enterprises can confidently build trust while winning the battle against DDoS, web app attacks, API attacks, account takeover and other external threats.

Cloudentity provides a dynamic TrUST-centric authentication and authorization platform providing a comprehensive security layer for legacy and cloud-native applications/APIs utilizing DevSecOps; enabling industry changing innovations.

Solution Benefits

- **Extend Your Investment** – Imperva products can leverage Cloudentity's microservices to provide a comprehensive security layer that identifies and mitigates threats to applications for the most secure transactions.
- **Integrated Trusted Security** - The MicroPerimeter extends Securesphere Web Application Firewall (WAF) protection along with Authentication and Authorization to every API, container, microservice or serverless function. Aggregates threats from all Imperva SecureSphere instances and ThreatRadar creating real-time risk profiles for User(s), Service(s) or Thing(s)
- **Audit Peace of Mind** - Creates a comprehensive digitally signed audit trail from authentication to data access via unique individual transaction IDs and verified claims available to Applications, Microservices, APIs, Containers and server-less functions for frictionless fulfillment of governance, risk management and compliance requirements.

How It Works

Integrating the Cloudentity MicroPerimeter and TrUST Engine with Imperva SecureSphere allows security to be applied during the build, deployment and run phases for cloud-native applications. In this example all customer microservices, containers, service mesh's, and APIs are protected via the Cloudentity MicroPerimeter. The MicroPerimeter is where identity and cybersecurity dynamically converge forming a secure, frictionless experience for Users and Developers. The MicroPerimeter offloads responsibility for federation, strong authentication, dynamic authorization, parameter inspection, transaction throttling and TLS key management for business applications delivered via a container-sidecar or API gateway plug-in.

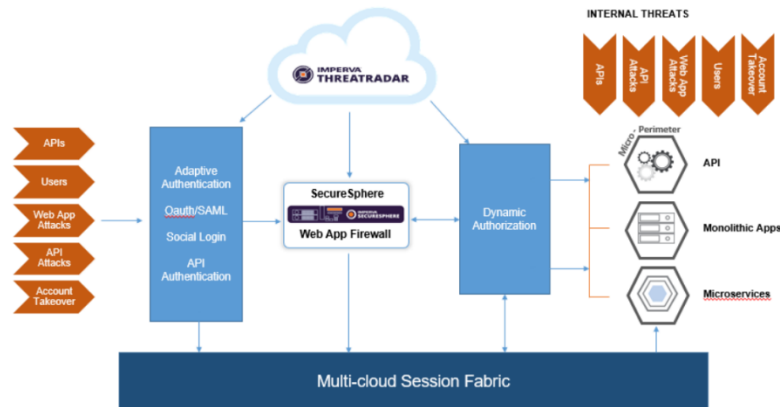
The Cloudentity MicroPerimeter externalizes Authentication and Authorization from the business application and quantifies real time transactional risk between the services, users and devices. Imperva's SecureSphere strengthens the security layer providing transactional security alerts to the Cloudentity TrUST Engine updating the

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aggregated risk profile maintained for Users, Services or Things. In real-time, the TrUST Authorization Engine assesses and evaluates risk on a transactional basis and provides dynamic authorization flows to mitigate risk.

If there are higher risk transactions, the Cloudentity MicroPerimeter pauses the transaction and sends it to Imperva SecureSphere for additional inspection. The inspection result, updates the risk profile determining the next required steps for mitigating or completing the transaction.

The TrUST engine's dynamic authorization is available at every transaction, from the initial User authentication to every Application to Application transaction (maintaining user context) solving complex microservices security and audit issues while ensuring the highest levels of security for transactions.



About CLOUDENTITY™

Cloudentity is a leader in providing a real-time self-healing identity and security layer to cloud-native applications by leveraging Identity and Fraud Management and was named in Gartner's 2017 "Cool Vendor" report. We unleash organizations to deliver Secure Digital Transformation by delivering dynamic real-time authentication, authorization and management across users, services, and things. Utilizing Identity at the heart of everything we do, we drastically reduce application-owners time to market by offloading cybersecurity and identity requirements allowing developers to focus on game changing business applications in a comprehensive DevSecOps manner.

Cloudentity is trusted by dozens of customers in Finance, Insurance, Government, Retail, and Healthcare, including leading companies like Blue Cross-Blue Shield, Reliance Industries, PG&E, CrowdStrike and Standard Insurance Corp.

Contact the Cloudentity team today for a demo or download a trial from the website www.cloudentity.com

About Imperva

Imperva® (NYSE: IMPV) is a leading provider of cyber security solutions that protect business-critical data and applications. The company's SecureSphere, CounterBreach, Incapsula and Skyfence product lines enable organizations to discover assets and risks, protect information wherever it lives – in the cloud and on-premises – and comply with regulations. The Imperva Defense Center, a research team comprised of some of the world's leading experts in data and application security, continually enhances Imperva products with up-to-the minute threat intelligence, and publishes reports that provide insight and guidance on the latest threats and how to mitigate them. Imperva is headquartered in Redwood Shores, California. Learn more: www.imperva.com, our blog, on Twitter.