

KeyScaler-as-a-Service: Unlocking IoT Device Trust with Cloud-based Security

Introduction to KSaaS

In today's interconnected world, the reliance on connected devices has become essential for businesses seeking efficiency, performance improvements, and a competitive advantage. However, trust in these devices and the data they generate is paramount. Device Authority's KeyScaler-as-a-Service (KSaaS) platform offers a cloud-first solution that ensures IoT device trust through automated device identity lifecycle management. This document highlights the benefits of using KSaaS and its unique approach to securing connected devices.

Cloud-based Security with KSaaS

KSaaS is a fully managed and hosted platform that eliminates the burden of infrastructure and in-house expertise, making it easy to deploy the full KeyScaler solution quickly. The platform utilizes a secure multi-tenant data model, providing each tenant with dedicated silos of environments, secure repositories, and cryptographically isolated databases to ensure the highest level of security.

The components of KSaaS are hosted on the Microsoft Azure Managed Application platform, which dynamically scales components as global loads vary, ensuring a consistent and robust service. Leveraging Azure's IaaS and PaaS services further enhances efficiency and scalability, making KSaaS a reliable and scalable solution.

Benefits of KSaaS

Transparent Managed Updates:

The KSaaS platform is continuously upgraded as part of Device Authority's software release cycle, ensuring customers are the first to receive new features, functionalities, and security updates.

Time to Production:

By eliminating the need for infrastructure deployment and in-house training, KSaaS enables organizations to harness the full power of KeyScaler from day one of their projects.

Industry Standard Approach:

KSaaS encourages industry-standard approaches to IoT device security, making it easier to collaborate with major players in the market and reducing bespoke dependencies.

Scalability:

KSaaS offers a predictable Opex model that scales seamlessly with the required workload, making it ideal for IoT device projects that often start small and expand rapidly.





Enabling Innovation and Trust

Quicker Deployments and Faster Time to Value:

The cloud-based nature of KSaaS removes infrastructure overhead, leading to faster deployments and quicker realization of return on investment (ROI).

Agility and Automation: The SaaS-based model of KSaaS facilitates the automation of deployment and allows for increased agility to accommodate rapidly changing requirements.

Edge-to-Cloud Hybrid Model

KSaaS also offers an Edge-to-Cloud hybrid model, allowing offline or private networks to utilize a lightweight KeyScaler Edge management layer that synchronizes periodically with the KSaaS cloud platform. This architecture extends the benefits and resilience of the KSaaS cloud platform to non-internet-connected devices, catering to a wide range of IoT deployment scenarios.

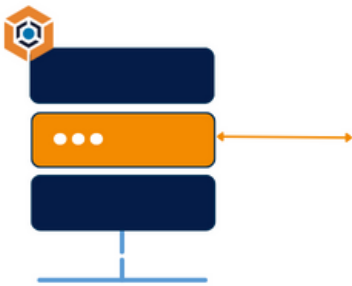
Centralized Data Availability for Industry-specific AI Models:

KSaaS provides centralized data availability, enabling the training of industry-specific AI models, which in turn enhances protection levels.

Microsoft's Well Architected Cloud Solution:

KSaaS adheres to Microsoft's 5 Pillars for a Well Architected Cloud Solution, ensuring reliability, security, cost optimization, operational excellence, and performance efficiency.

KeyScaler Edge™



KeyScaler Central™



KeyScaler AI™





Adoption and Recognition

KSaaS has seen rapid adoption across various industries, including automotive, medical, industrial, and public sectors. Its appeal is particularly strong for those dealing with Edge and Nested Edge requirements and seeking compliance with the latest US and EU legislation related to Zero Trust security management.

Microsoft Rising Azure Technology Partner of the Year

Device Authority's commitment to solving the critical problem of connected device security has earned them recognition from Microsoft as the Rising Azure Technology Partner of the Year. By continuously innovating and supporting customers' digital transformation, innovation, and business success, KSaaS has proven to be an award-winning and trusted solution in the realm of IoT device security.



Conclusion

KeyScaler-as-a-Service (KSaaS) offers a cloud-first, scalable, and secure platform for managing IoT device trust. By providing transparent updates, adhering to industry standards, enabling quick deployments, and embracing a cloud-based approach, KSaaS empowers businesses to unlock the potential of connected devices at scale. The Edge-to-Cloud hybrid model further extends its capabilities, making it a versatile solution for various deployment scenarios. With a track record of success and recognition, KSaaS is a compelling choice for organizations seeking robust and scalable device and data trust automation in the ever-evolving landscape of connected device security.

**DEVICE
AUTHORITY**

www.deviceauthority.com
contact@deviceauthority.com

UK Head Office
Level 2, Thames Tower
Station Road,
Reading,
RG1 1LX

[Click here to Calculate
Your ROI](#)



ROI Calculator