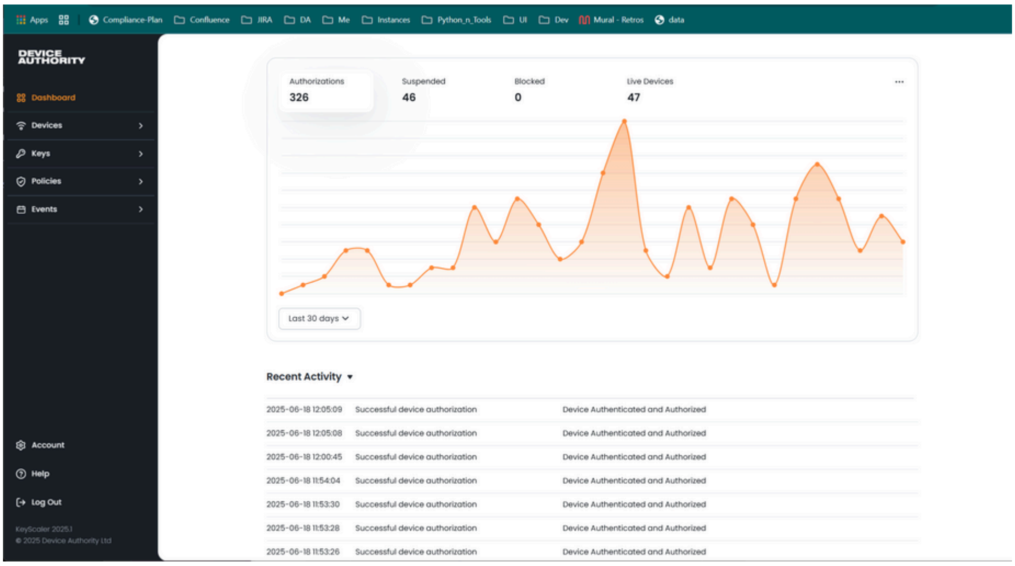
DEVICE AUTHORITY

KeyScaler®

KeyScaler 2025: Unlocking new levels of visibility and control of your unmanaged devices

KeyScaler® is a patented, industry-leading IoT device security platform that automates the complete lifecycle management for major OT/IoT device deployments, especially those unmanaged at the edge. It eliminates human error and helps to achieve compliance by:

- Securely provisioning and registering devices
- Enforcing Zero Trust policy at the Edge, unifying IT/OT security strategy
- Utilizing AI to provide indicators of compromise and automated responses
- Delivering out of the box connectors to enterprise IoT platforms and services



Authorizations	Suspended	Blocked	Live Devices
326	46	0	47

Recent Activity ▾

2025-06-18 12:05:09	Successful device authorization	Device Authenticated and Authorized
2025-06-18 12:05:08	Successful device authorization	Device Authenticated and Authorized
2025-06-18 12:00:45	Successful device authorization	Device Authenticated and Authorized
2025-06-18 11:54:04	Successful device authorization	Device Authenticated and Authorized
2025-06-18 11:53:30	Successful device authorization	Device Authenticated and Authorized
2025-06-18 11:53:28	Successful device authorization	Device Authenticated and Authorized
2025-06-18 11:53:26	Successful device authorization	Device Authenticated and Authorized

- **Enhanced UI -** New dashboard provides an intuitive user experience. Simpler and faster to operate, reducing operational errors and improving security of the IoT device estate. Faster onboarding and reduced operational cost. Improved security posture of the Control Panel and improved visibility of IoT identity estate.
- **Edge Remote Access Controller -**Locally accessible service that enforces secure, policy-based remote access to devices at the edge. Important for organizations adopting the Purdue model as it enables the securing of devices whilst upholding the segmentation of the industrial control system layers.
- **Authorization Service Connector** – Provides 'best-practice' framework for Continuous Assurance and Authorization to meet the requirements of White House EO 14028 and EU Cyber Resilience Act. It integrates with existing security infrastructure and allows granular Zero Trust' control of devices which is important for diverse IoT environments.
- **Secure Asset Transfer (SAT)-** Real-time delivery of assets to IoT devices, that can be executed by the device, with the results provided back to KeyScaler e.g. Access Credentials (SSH), device scripts etc. With flexible REST API framework to integrate with Enterprise Applications, such as Privileged Access Management (PAM) services which uses SAT technology to deliver privileged credentials from the PAM platform to the IoT devices
- **Enrollment over Secure Transport (EST)** – Enables IoT devices or edge nodes to securely request X.509 certificates, renew or re-enroll certificates, distribut certificate authorities (CA) and trust anchors. PKI Signature+ uses asymmetric key signatures with automated authentication key rotation policies to deliver strong device identity to low-power devices, where Dynamic Device Key Generation (DDKG) is not suitable.

DEVICE AUTHORITY
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- **KeyScaler AI -** anchoring identity at the hardware and cryptographic level, ensuring every AI agent can be authenticated, authorized, and continuously monitored. Features include: Dynamic policy enforcement, Certificate-backed device identity. Real-time risk assessment and AI-assisted threat response (via KeyScaler's Microsoft Copilot integration).
- **NIST Framework Alignment -** KeyScaler's device lifecycle management aligns with the NIST Framework and addresses key areas in their latest review including complete lifecycle-centric security and risk visibility.
- **Enhanced Platform Integration Connector -** Flexible interface to integrate with ANY external platforms and services including Microsoft Azure, AWS, Cumulocity and CyberArk. Provides real-time notification of events that occur in KeyScaler.
- **Automated Certificate Management** – Automated certificate provisioning and management for IoT devices and gateways.
- **Internal Private PKI -** Customers can generate their own internal private root certificate authority and key, to enable provisioning of self-signed certificates to devices and the Azure and AWS IoT service.
- **Secure Soft Storage -** To prevent theft of certificates and unauthorized usage, the agent stores the certificate and associated key pair in an encrypted state. Decryption is available only to authorized applications as defined in the policy on the KeyScaler server.
- **End-to-End Data Security** – Granular, efficient policy-driven crypto that provides secure, end-to-end delivery and storage when using third party networks and cloud services.
- **Hardware Security Module (HSM) Support -** KeyScaler supports nCipher Security and Thales/Gemalto Hardware Security Modules (HSM) as a Root of Trust (ROT) to provide secure storage for KeyScaler system keys, secure execution and private PKI root CA key.
- **HSM Access Controller -** Ability to manage a connected HSM using KeyScaler API's for the purpose of key generation, data signing, data crypto, and general public key storage. New Data Transformation Service Connector offers increased ability to securely process sensitive data.
- **Automated Password Management -** Automatically set and manage passwords on devices and rotate as per policy, with the ability to restrict access to privileged individuals only.
- **Development Tools -** Client-side SDK and development libraries provide an easy integration method into new and existing applications. Server-side REST APIs make it simple to consume KeyScaler services.

Delivery Models

KeyScaler-as-a-Service (KSaaS) is Device Authority's award winning cloud-based delivery platform. It allows partners to deliver KeyScaler based solutions without the overhead of infrastructure, dev ops and ongoing management costs of a typical hosted environment. Additional features for partners are:

- Multi-tenant model for customer enrollment and management
- Branding support
- Integrated billing and customer support
- Quick to integrate with KeyScaler through APIs

KSaaS®
KeyScaler as a Service