AVX ONE | SSH

Streamline SSH Lifecycle Management with AVX ONE

CHALLENGE

SSH keys are a powerful tool for providing privileged remote access to machines and systems across an enterprise. Since SSH keys can be easily generated and do not expire, they can quickly multiply. Over time, organizations can accumulate thousands or even millions of unmanaged SSH keys. This "key sprawl" creates a serious security risk.

Without centralized visibility and structured processes for key distribution and rotation, organizations risk failed audits and, more critically, potential backdoors that attackers can exploit to compromise the network and gain access to machines and sensitive data.

SSH Challenges

- *Key Sprawl*
- *SSH Key Blind Spots and Security Risks*
- *Manual Key Provisioning and Rotation*
- *Difficulties Scaling*
- *Audit Gaps and Compliance Risks*

The AppViewX Solution

Simplify SSH Lifecycle Management with AVX ONE SSH

AVX ONE SSH is built to automate, orchestrate, and secure the lifecycle of SSH machine identities across the enterprise. Through complete visibility, end-to-end automation, and policy-driven controls, AVX ONE SSH helps organizations eliminate SSH key sprawl, reduce risk, ensure compliance, and govern privileged access at scale. Delivered as a SaaS-first solution, it can also be deployed on-premises if needed.

Why AVX ONE SSH Lifecycle Management

Visibility

Discover and inventory all SSH keys and certificates to identify risk across hybrid multi-cloud infrastructures

Eliminate key sprawl

Automation

Automate SSH lifecycle management (generation, provisioning, rotation, & deletion), risk remediation and access control

Centralize management and Improve security posture

Control

Enforce strict policies and governance for risk analysis and control of all SSH keys and their access

Maintain continuous compliance

AVX ONE SSH Lifecycle Management Features

VISIBILITY

Discovery, Inventory and Risk Intelligence

- Scan and discover all SSH keys/certificates (both user and host keys) across on-prem, cloud, and DevOps environments

- Create a central inventory of SSH keys/certificates, clients, hosts as well as client/server configurations to simplify monitoring and management

- Map key trust relationships to associated users, hosts, servers and service accounts to enable successful key rotations

- Perform SSH risk assessments and trend analysis using the Risk Dashboard to monitor the status of keys (suspicious, shared, orphaned, or weak keys) and configurations

CONTROL

SSH Lifecycle Policies and Governance

- Define and automatically enforce strict key generation policies (algorithm, bit length, etc.) so all newly onboarded hosts and keys meet enterprise security standards

- Mandate routine SSH key rotations to eliminate stale, weak, or vulnerable keys and prevent unauthorized access

- Standardize SSH configurations and ensure regulatory compliance with regular risk assessments, reporting, and full audit trails

- Apply role-based access control (RBAC) and host grouping to automatically delegate SSH access at scale while retaining centralized oversight and guardrails at a granular level

AUTOMATION

SSH Lifecycle Automation and Risk Remediation

- Fully automate SSH key lifecycle management to promote crypto-agility, including automated key generation, provisioning, rotations, and deletions

- Delete or rotate suspicious, shared, orphaned, or weak keys in one click for instant remediation

- Utilize custom or out-of-the-box automation workflows to streamline complex processes like key rotations and deletion

- Allow users to securely generate keys and manage access as needed with a self-service UI backed by RBAC controls

- Automate SSH key and access onboarding through seamless integrations with IAM and DevOps tools

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AVX ONE SSH Lifecycle Management

AVX ONE
SSH Lifecycle Management

VISIBILITY	AUTOMATION	CONTROL
Discovery - Keys and Certificates	Automation & Remediation - Generate, Provision, Rotate, Delete	Policies and Governance - Key Access and Rotations
Inventory	Centralized Access Management and Provisioning	Role-Based Access Control
Risk Dashboard	IAM/DevOps Tool Integrations and Self-Service	

Customer Environments

On-Prem/Cloud/DevOps   Endpoints   User and Host Keys

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