



PrivX Key Manager

Centralized, automated SSH key management

Discover and manage every SSH key and trust relationship, eliminate unmanaged trusts, and automate SSH key lifecycle management. Migrate to keyless SSH access with Zero Standing Credentials.



As companies try to lock down their attack surface, typically, they are unable to effectively mitigate risks related to SSH keys and trust relationships – credentials used to enable automation, human and non-human, machine-to-machine access. As a result, SSH keys and trust tend to be scattered throughout IT environments and easily go unmanaged.

PrivX Key Manager provides a scalable solution to solve the complex problem of SSH key sprawl. It enhances operational efficiency and security posture, laying the foundation for modernizing privileged access and passwordless, keyless, Zero Trust architectures.

Benefits

Stronger security

Reduce the risks associated with unauthorized access and credential theft across your organization.

Operational efficiency

Automated SSH key management for cost savings and reduction in time and resources to manage SSH keys and trusts.

Simplified compliance

Implement and report on policies based on major regulations and industry standards.

1. Discovery and visibility

- Scan your environment and discover all SSH access – automatically
- Identify trust relationships and all policy-violating SSH keys
- Discover accounts and map existing keys across servers, users, and systems

3. Remediation and clean-up

- Identify unused, duplicate, or non-compliant keys and facilitates removal
- Fix security vulnerabilities in your environment
- Remediate keys as per your company policy

5. Lifecycle management

- Automate creation, rotation, and decommissioning of keys through integrated workflows
- Simplify your compliance efforts
- Ensure all your sessions are audited, logged, and tracked

2. Policy enforcement

- Define and enforce policies for key usage, expiration, key length requirements, and restrictions
- Monitor and control SSH key access across your environment
- Implement systematic company policies and other regulations

4. Monitoring and auditing

- Get detailed audit trails and reports on key usage to maintain compliance
- Demonstrate real-time state of key inventory and generate reports whenever you need

6. Quantum readiness

- Create a complete crypto inventory to prepare for Post-Quantum Cryptography (PQC) migration
- Track quantum-safe algorithm usage on the organizational level

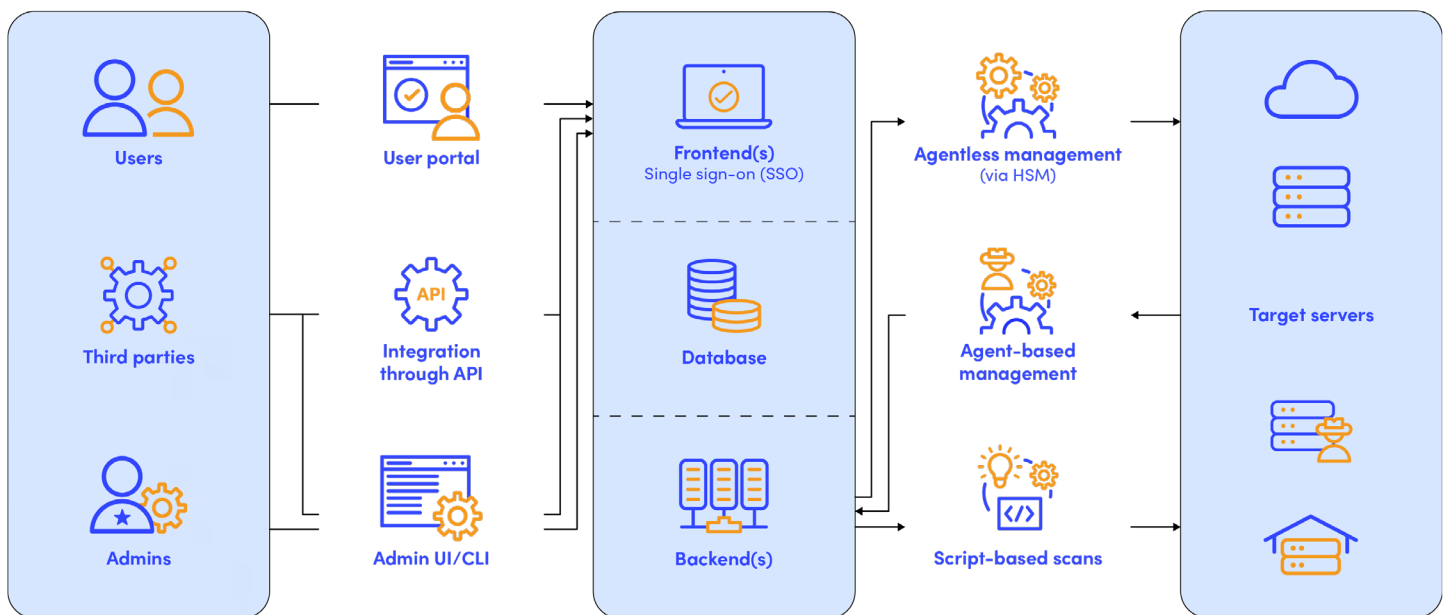


Why PrivX Key Manager?

PrivX Key Manager enhances your operational efficiency and security posture, laying the foundation for modernizing privileged access as organizations evolve toward passwordless, keyless, Zero Trust architectures. Providing key discovery and login monitoring, policy enforcement, and full lifecycle management. It offers a powerful interface to manage keys on a high level, acting as a force multiplier for your IAM engineers and deploying thousands of keys in the time it takes to configure a single SSH key manually.

1.5M

SSH authorized keys removed and migrated to ephemeral certificates in a customer's environment



A major bank regains compliance and control over their SSH key access

Challenges

Auditors identified gaps in access control. During the discovery phase, the extent of the issue became clear: over time the number of SSH keys had grown to an unmanageable level with little to no visibility into what each key did. The auditors advised the bank that the existence of this unmanaged authentication system was in violation of compliance mandates (MAS & SOX) and, more importantly, it was an existential threat to the organization itself.

Solutions

PrivX Key Manager helped gain visibility into SSH keys and their usage, discovering 1.9 million keys. With over 85% of all SSH transactions being critical application-to-application data transfers, the first step was to lock down the environment and identify trust relationships. Then the customer was able to redeploy new keys – all without causing an outage and in line with created policies to classify the violations.

Results

The bank was able to lock down servers to prevent users from provisioning and distributing keys. With the help of bulk key action capability, PrivX Key Manager mitigated risks around privileged accounts within nine months. The bank also gained central administration to ensure policy control over key usage, key lifetimes, and authority over key creation. It also actively monitors the environment and alerts administrators on policy violations.