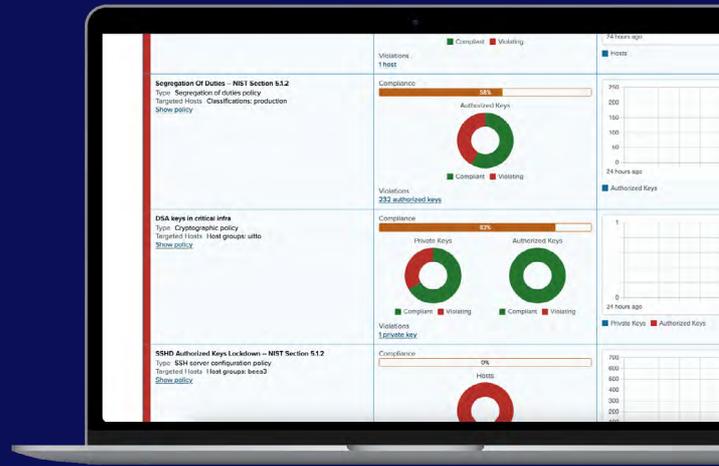




PrivX Key Manager

Centralized, Automated SSH Key Management

Secure your attack surface with industry-leading Zero Trust key management.



As organizations try to lock down their attack surface leveraging various access and identity management solutions, they may be unable to effectively mitigate risks related to SSH keys scattered throughout their environment, used to enable automation, system, and human access that makes every company's critical services possible and cost-effective.

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

1 Discovery & visibility

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

2 Policy enforcement

- Define/enforce policies for key usage, expiration, key length requirements, and restrictions
- Monitor and control your environment
- Implement systematic company policies

3 Remediation & clean-up

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

4 Monitoring & auditing

- Get a comprehensive view into all SSH keys in your environment
- 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

5 Lifecycle management

- Automate creation, rotation, and decommissioning of keys through integrated workflows
- Simplify the effort of staying compliant
- Ensure all your sessions are audited, logged, and tracked

6 Quantum readiness

- Establish a crypto inventory for Post-Quantum Cryptography migration
- Track quantum-safe algorithm usage on the organizational level

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 keys.

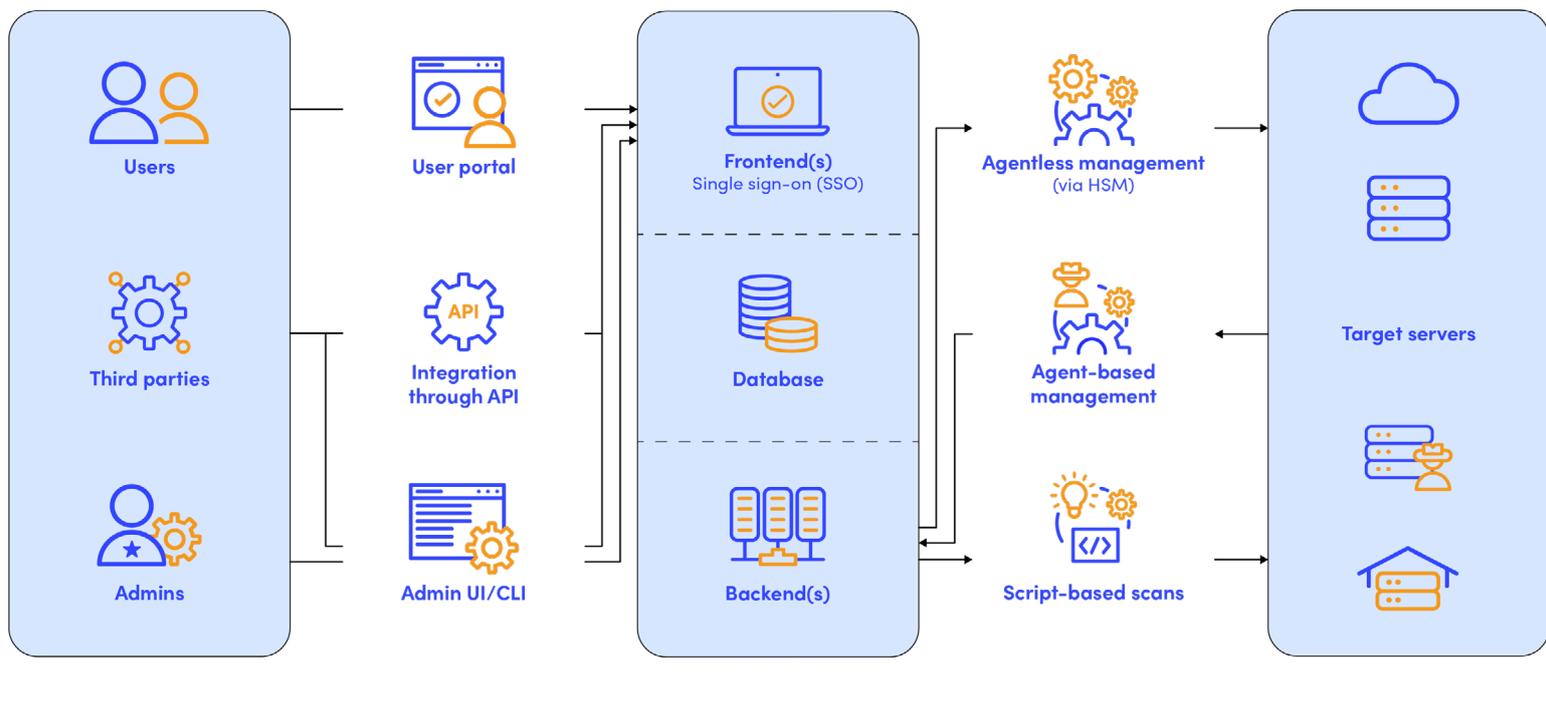
Simplified compliance

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



Why PrivX Key Manager?

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



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

Challenge:

Auditors identified gaps in access control. During the discovery phase, the scope and 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.

Solution:

PrivX Key Manager helped gain visibility into SSH keys and their usage. It discovered 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 we were 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.