

# One Identity Safeguard

Privileged Access Management — Securely store, manage, record and analyze privileged access



## How secure is your privileged access?

Hackers continually evolve the methods they use to gain access to your systems and data. Ultimately, they want to get to your privileged accounts. In nearly every recent high-profile breach, privileged accounts have been compromised to gain access to critical systems and data. With the proper solutions in place, you can limit the damage from a breach by deploying solutions that provide secure, efficient and compliant access to privileged accounts.

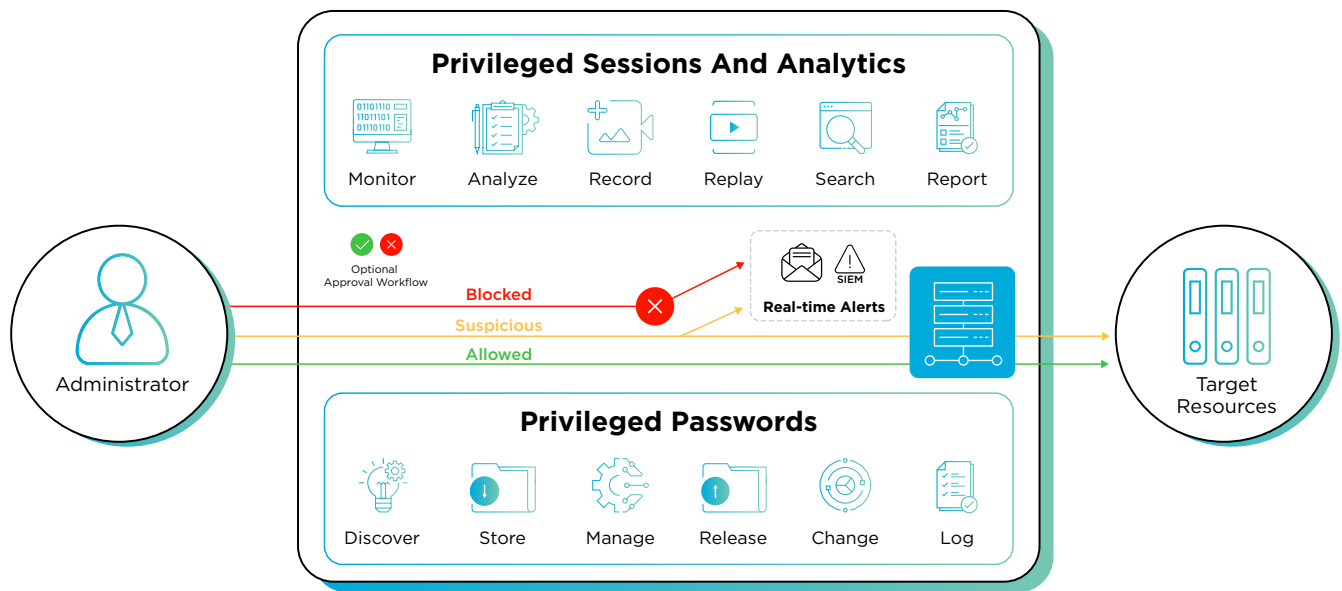
### How do customers use Safeguard for PAM?

Safeguard enables organizations to automate and govern privileged access by centralizing credential management, automating approvals and credential rotation, and monitoring and recording privileged sessions across environments. The result is reduced manual effort and security risk, improved visibility and compliance, and measurable time savings with faster time-to-value and ROI.

## Benefits

- Reduce breach impact by securing and governing access to the most powerful accounts
- Lower risk from insiders and external threats with session monitoring and behavioral analytics
- Achieve compliance faster with tamper-proof audit trails and simplified reporting
- Deploy quickly and realize value faster with appliance-based, drop-in deployment
- Reduce operational overhead and TCO through simplified management and automation
- Improve admin and user productivity with an intuitive, low-friction experience

For IT managers, these all-access accounts are a challenge to manage for a number of reasons, including the sheer number of the privileged accounts and the number of people who need access to them. On top of these challenges, traditional Privileged Access Management (PAM) solutions involve complex architectures, lengthy deployment times and onerous management requirements.



## Secure privileged access without sacrifice

Take the stress out of protecting your privileged accounts by securely storing, managing, recording and analyzing privileged access while satisfying your admins and auditors with One Identity Safeguard.

## Safeguard for Privileged Passwords

One Identity Safeguard for Privileged Passwords automates, controls and secures the process of granting privileged credentials with role-based access management and automated workflows.

**Safeguard for Privileged Analytics ranks the potential risk level of threats** so you can prioritize your response, take immediate action on the most imminent threats and ultimately prevent data breaches.

The user-centered design of Safeguard for Privileged Passwords means a reduced learning curve. Plus, the solution enables you to manage passwords from anywhere and using nearly any device. The result is a solution that secures your enterprise and gives your privileged users a new level of freedom and functionality.

## Safeguard for Privileged Sessions

With One Identity Safeguard for Privileged Sessions, you can control, monitor and record privileged sessions of administrators, remote vendors and other high-risk users. Actions taken by users in sessions are recorded and indexed, which makes finding session events easy, helps to simplify and automate reporting and eases audit and compliance requirements. In addition, Safeguard for Privileged Sessions serves as a proxy and inspects the protocol traffic on the application level and can reject any traffic that violates the protocol – thus making it an effective shield against attacks.

## Safeguard for Privileged Analytics

With One Identity Safeguard for Privileged Analytics, you can put user-behavior analytics to work for you by discovering previously unknown internal and external threats, and finding and stopping suspicious activities.

**“We’ve seen a 100 percent improvement in PAM using Safeguard. We have raised PAM to a new level without increasing our workloads whatsoever.”**

*Felix Frank  
Team Leader for IT Administration, WM Gruppe*



## Features

### Policy-based release control

Using a secure web browser with support for mobile devices, you can request access and provide approval for privileged passwords and sessions. Requests can be approved automatically or require dual/multiple approvals based on your organization’s policy. So, whether your policies consider the requestor’s identity and level of access, the time and day of the request attempt and the specific resource requested—or all of these — you can configure One Identity Safeguard to meet your customized needs. Plus, you can input reason codes and/or integrate with ticketing systems.

### Full-session audit, recording and replay

All session activity – down to the keystroke, mouse movement and windows viewed – is captured, indexed and stored in tamper-proof audit trails that can be viewed like a video and searched like a database. Security teams can search for specific events across sessions and play the recording starting from the exact location the search criteria occurred. Audit trails are encrypted, time-stamped and cryptographically signed for forensics and compliance purposes.

### Instant on

Safeguard for Privileged Sessions can be deployed in transparent mode, requiring no changes to user workflows. Acting as a proxy gateway, Safeguard can operate like a router in the network—invisible to the user and to the server. Admins can keep using the client applications they are familiar with and can access target servers and systems without any disruption to their daily routine.

### User behavioral biometrics

Each user has an idiosyncratic pattern of behavior, even when performing identical actions, such as typing or moving a mouse. The algorithms built into Safeguard for Privileged Analytics inspect these behavioral characteristics (captured by Safeguard for Privileged Sessions). Keystroke dynamics and mouse movement analysis help identify breaches and also serve as a continuous, biometric authentication.

### Multifactor authentication support

Protecting access to passwords with another password isn’t enough. Enhance security by requiring two-factor authentication to Safeguard. Safeguard supports any RADIUS based 2FA solution.

Safeguard for Privileged Passwords supports the SAML 2.0 Web Browser SSO Profile, allowing you to configure federated authentication with many different Identity Provider STS servers and services and use their MFA.

Privileged accounts may require a TOTP authenticator generated code as an authentication factor. Safeguard Privileged Passwords can act as an authenticator and provide the associated code along with credential/session check-out.

### Personal Password Vault

All your employees can store and generate random passwords for non-federated business accounts in a free personal password vault. This enables your organization to use a sanctioned tool with the ability to securely share and recover passwords, providing much needed security and visibility into business accounts.

**Safeguard can operate like a router in the network – invisible to the user and to the server.**

## **Favorites**

Quickly access the passwords that you use most often right from the login screen. You can group several password requests into a single favorite so you can get access to all the accounts you need with a single click.

## **Discovery**

Quickly discover privileged accounts or systems on your network with host-, directory- and network-discovery options.

## **Real-time alerting and blocking**

Safeguard for Privileged Sessions monitors traffic in real time and executes various actions if a certain pattern appears in the command line or on screen. Predefined patterns could be a risky command or text in a text-oriented protocol or a suspicious window title in a graphical connection. In the case of detecting a suspicious user action, Safeguard can log the event, send an alert or immediately terminate the session.

## **Command and application control**

Safeguard for Privileged Sessions supports both black listing and white listing of commands and windows titles.

## **Wide protocol support**

Safeguard for Privileged Sessions provides full support for SSH, Telnet, RDP, HTTP(s), ICA and VNC protocols. In addition, security teams can decide which network services (e.g. file transfer, shell access, etc.) within the protocols they want to enable/disable for administrators.

## **Full-text search**

With its Optical Character Recognition (OCR) engine, auditors can do full-text searches for both commands and any text seen by the user in the content of the sessions.

It can even list file operations and extract transferred files for review. The ability to search session content and metadata accelerates and simplifies forensics and IT troubleshooting.

## **Drop-in deployment**

With a rapid appliance-based deployment and simplified traffic re-routing, One Identity Safeguard can have you recording sessions in a matter of days, without disrupting your users.

## **RESTful API**

Safeguard uses a modernized API based on REST to connect with other applications and systems. Every function is exposed through the API to enable quick and easy integration, regardless of what you want to do or which language your applications are written.

## **Change control**

Supports configurable, granular change control of shared credentials, including time- and last-use-based and manual or forced change.

## **The One Identity approach to Privileged Access Management**

The One Identity portfolio includes the industry's most comprehensive set of Privileged Access Management solutions. You can build on the capabilities of One Identity Safeguard with solutions for granular delegation of the UNIX root account and the Active Directory administrator account; add-ons to make open source sudo enterprise-ready and keystroke logging for UNIX root activities – all tightly integrated with the industry's leading Active Directory bridge solution.

## **About One Identity**

One Identity delivers trusted identity security for enterprises worldwide to protect and simplify access to digital identities. With flexible subscription and deployment options – from self-managed to fully managed – our solutions integrate seamlessly into your identity fabric to strengthen your identity perimeter, protect against breaches and ensure governance and compliance. One Identity is a trusted leader in identity governance and administration (IGA), privileged access management (PAM), and access management (AM) for security without compromise. For more information, visit [www.oneidentity.com](http://www.oneidentity.com).