

WHEEL FUDO PAM 3.0 - THE MOST ADVANCED PRIVILEGED ACCESS MANAGEMENT SOLUTION

DID YOU KNOW THAT:

55% of security breaches are related to a misuse of privileged accounts ¹.

60% of incidents result from an administrator's mistake ¹.

WHEEL FUDO PAM IS THE BEST PROTECTION AGAINST PRIVILEGED ACCESS THREATS!

WHEEL FUDO PAM 3.0 COMPRISES FOUR SUPPLEMENTING MODULES



SECRET MANAGER

manages privileged accounts passwords



PRIVILEGED SESSION MONITORING

privileged session management and monitoring



EFFICIENCY ANALYZER

a comprehensive productivity analysis tool



APP TO APP PASSWORD MANAGER

with Secret Manager, AAPM brokers passwords to applications

MAIN FEATURES

- **Managing privileged accounts' password policies** - Secret Manager is a complete solution for managing passwords, which are stored securely and not disclosed to users.

Its advantage is the ability to define a password's validity and complexity. Secret Manager stores a password's history to regain access to managed accounts in emergency situations.

The security of stored passwords is ensured by the password verification mechanism, which checks whether or not the password has been changed in an unauthorized way.
- **Detailed recording and analysis** make Wheel Fudo PAM a perfect tool for quick forensic analysis.
- **Session joining** - the ability for the super administrator to work with the remote user in the same session.
- **Proactive monitoring and sessions termination** - enables a security policy, which will automatically terminate suspicious connections.
- **Business intelligence tools (Efficiency Analyzer module)** measure users and organizations productivity, providing detailed information on their activity and idle times.
- **Managing privileged accounts' password policies** - Secret Manager is a complete solution for managing passwords, which are stored securely and not disclosed to users.
- **User portal ensures** - intuitive access to target hosts through a centralized list of accessible resources. Thanks to this, users no longer have to memorize numerous hostnames, logins and passwords.
- **Live session streaming** - can be streamed seamlessly, without any delays or loss in quality.
- **Quick session sharing** allows for sharing recorded session material and live session stream with third parties.
- **Managing and transferring passwords to applications** without human interaction using the AAPM module. It eliminates the threat of attack on applications which store passwords locally.
- **Modern and intuitive administration interface** greatly reduces initial system configuration and daily maintenance efforts.

There are not many solutions of this kind available, which generate reports that present work efficiency within privileged sessions.

[1] Source: Verizon "2015 Data Breach Investigation report"



TECHNICAL FEATURES

Manager - password management

- Active management of privileged accounts passwords.
- Password changers for MS Windows and Unix systems; MySQL databases and Cisco devices.
- Custom password changers support.
- Customizable passwords complexity. .

Supported protocols

- Command line protocols: SSH, Telnet, Telnet 3270.
- Graphic protocols: RDP, VNC, X11.
- Database protocols: Oracle, MySQL, TDS implementation for MS SQL.
- Web protocols: HTTP, HTTPS.
- Production infrastructure protocols: Modbus.

Live sessions

- Ongoing sessions supervision in a web browser.
- One click launches an internal player without the need to install additional software.
- Command line session material is fully interactive which enables copying content to the clipboard.

Quick session blocking

- In case of any unauthorized activities, Wheel Fudo PAM enables pausing or the termination of a session along with revoking access rights.

Remote co-working

- Co-sharing session enables the system administrator to join a given connection and work along the remote user.

Uniform and independent environment

- Wheel Fudo PAM does not require the installation of additional software or agents, which enables rapid deployment and integration with existing IT infrastructures.

Timestamping

- Recorded material is encrypted and can also be timestamped.

Easy to use administration interface

- An intuitive and user friendly administration panel ensures convenient and effective management.

Session sharing

- Wheel Fudo PAM enables sharing a session with third parties in the form of a URL link.

Live session supervision and proactive monitoring

- Wheel Fudo PAM enables live session supervision by designated personnel as well as automated actions upon detecting unauthorized user actions specified as patterns.

Directory services support

- Wheel Fudo PAM supports LDAP and Active Directory services which allows a user's definitions to be imported as well as verifying the user's login credentials.

Detailed session information

- Wheel Fudo PAM stores all of a session's data and metadata, which includes transferred files, keystrokes and cursor movement. The session player allows for skipping inactivity intervals, fast-forwarding as well as seeking to a specific time within the recorded content.

Additionally, RDP and VNC sessions can be OCR processed. Recorded sessions can be exported to video format. Sessions can be commented and tagged while full-text search and advanced filtering options enable finding desired content quickly.

Authentication mechanisms

- Wheel Fudo PAM authenticates users using the following mechanisms: locally stored passwords, Cerb, Radius, LDAP/AD and SSH keys.

Runtime login and password substitution

- Wheel Fudo PAM can, after successful authentication, substitute credentials provided by the user with credentials configured in Wheel Fudo PAM or fetched from a third party Password Vault solution. With the substitution feature in use, the actual login credentials to target hosts do not have to be disclosed to end-users.

High availability

- Wheel Fudo PAM supports a multi-master cluster configuration ensuring high availability and performance scaling.

Anonymous connections

- Monitoring anonymous connections, i.e. without authenticating users by Wheel Fudo PAM.

Data security

- Stored session data is encrypted with AES-XTS 256.

Productivity

- The user's productivity is represented in the form of comprehensible charts enabling work efficiency analysis.

AAPM

- Automated passwords retrieval from the vault.
- Secure password transfer to the application.

API

- Alternative access to FUDO's data structures.
- Enables integration with third-party solutions (e.g. ticketing systems).

User portal

- Centralized list of monitored resources.
- Convenient access to target hosts – a single click opens a corresponding client application with connection parameters already filled in.
- Increased security of critical systems – privileged accounts login information is not disclosed to the end user.

HARDWARE SPECIFICATION



	F1001	F3000
Form factor	2U	3U
Data storage (raw)	12 x 2TB = 24TB	16 x 6TB = 96TB
Data storage (usable)	18.2TB	71.8TB
In sampled data, RDP session recording took 218 MB/hour	29.8 years ¹	98.4 years ¹
In sampled data, SSH session recording took 41.5 MB/hour	157.5 years ¹	519.3 years ¹

1. 1 user, 8 h/day, 365 days in year



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