

# PROTECTING BUSINESSES FROM PRIVILEGED MISUSE

## WHY FUDO?

### PROTECT YOUR NETWORK AGAINST PRIVILEGED DATA BREACHES

Manage privileged credentials and activity

### PREVENT INTENTIONAL AND UNINTENTIONAL MISUSE

Monitor, record and analyze all sessions

### INTRODUCE ZERO TRUST NETWORK ACCESS ENVIRONMENT

Fudo PAM serves as a critical layer of a ZTNA infrastructure

### PREVENT ACCESS RIGHTS ABUSE

Intervene and terminate remote sessions when necessary

### SAFEGUARD YOUR ADMINISTRATORS

Administrators can prove that no mistakes were made / Ensure administrator accountability

### PROTECT LEGACY SYSTEMS

Prevent exploitation of system and network protocol vulnerabilities

### ENHANCE YOUR TRAINING

Recorded sessions can be used as training materials to assist in admin development

### GET INDISPUTABLE EVIDENCE OF UNAUTHORIZED ACTIVITY

Timestamp your session recordings

## KEY FEATURES

### AUTO-DISCOVERY WITH QUARANTINE

Scan Active Directory domain controllers for new user accounts. With this ability, the onboarding process can be automated and added immediately to safes or quarantined directly on a domain controller for manual assignment. The quarantine feature allows Security Officers to tighten control over the Active Directory infrastructure while automating the configuration process with built-in onboarding rules.

### GRAPHICAL WEB SESSION RECORDING

Fudo's web recording feature allows transparent recording and interaction with browser sessions in graphical form while still capturing raw protocol data."

Fudo allows to see a live view of the actual browser session in graphical form, interact with it, archive, and export as video.

Monitor and archive user actions instead of server logs (which may be hard to interpret), while maintaining complete separation between Fudo monitors and archives user end-point and an organization's IT infrastructure.

### SESSION COLLABORATION

Sharing a session enables the system administrator to join a given connection and work alongside remote user, while their actions are recorded separately. A third-party user may be invited to join, collaborate or view the live session via an expirable link.

### BEHAVIORAL ANALYTICS THROUGH MACHINE LEARNING

Fudo's software release enables existing systems to build users and system usage profiles based on continuous analysis of behavior patterns and anomalies. The AI module can accurately detect anomalies in user behavior, helping security teams take preemptive actions to prevent misuse. This functionality works while the session is live and provides almost instant security feedback for security officers or administrators. In organizations with thousands of sessions every minute, the ML model will highlight the ones that might need immediate attention. This is the difference between searching for a needle in a haystack manually or using a neodymium magnet.

### PASSWORD MANAGEMENT WITH AUTOMATIC PASSWORD CHANGERS

Fudo features a complete password management solution with password changers & verifiers, as well as check-in/out support. It enables managing credentials to privileged accounts on monitored servers. Password changers run on a separate transport layer which allows the use of built-in ones or the ability to create your own script. Furthermore, custom plugins can be written and uploaded to Fudo directly.

### JUST-IN-TIME ACCESS

Grants temporary access to resources, easily defines and schedules when a specific resource is available to certain users. Increases efficiency in an organization as users are able to schedule temporary access themselves with intuitive oversight by security admins and provides a way to make flexible multi-level access workflows.

### FUDO WEBCLIENT

Fudo's device-independent web client for RDP and SSH protocols allows sharing resources without the use of platform-native clients. Fudo is agentless already, and this feature reduces configuration at the endpoint to none. Native clients may require staff training or initial setup while the WebClient is a single button press on the user portal establishing a connection out-of-the-box and never leaving the browser.

### DIRECTORY SERVICES SUPPORT

Fudo PAM supports LDAP and Active Directory services which allow importing users and verifying their login credentials.

### SESSION TIMESTAMPING FOR IN-DEPTH ANALYSIS

A trusted timestamp makes recorded sessions invaluable for use as forensic evidence in court. In addition, the feature supports trusted time-stamping services provided by external institutions.

| SUPPORTED PROTOCOLS                                                                                                                                                                                                                                                                                                                                                                       | SUPPORTED STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Graphical protocols: RDP, VNC, X11.</li><li>• Command line protocols: SSH, Telnet, Telnet 3270, Telnet 5250.</li><li>• Database protocols: MS SQL.</li><li>• Application protocols: HTTP, HTTPS (graphical and protocol native).</li><li>• Industrial communication standard: Modbus.</li><li>• IPv6 ready for future-proof deployments</li></ul> | <ul style="list-style-type: none"><li>• SSH ProxyJump support allows configuring an intermediary system for connection to the target server.</li><li>• SSH Agent forwarding for all account types. Allows users to keep their SSH keys secret.</li><li>• External authentication: Active Directory, Radius, LDAP</li><li>• Azure authentication method for rendered HTTP-based servers (Asana, Salesforce, LinkedIn, FB and Twitter are also supported).</li><li>• MFA provided by RADIUS, SMS, DUO, and OATH (Google Authenticator).</li><li>• VMware Tools support.</li></ul> |

### BUILT FOR PERFORMANCE. HIGH LOAD READY.

Fudo PAM supports an active-active cluster configuration which ensures high availability (HA) and almost linear performance scaling. Fudo hardware appliances are capable of handling up to hundreds of concurrent connections.

### RAPID DEPLOYMENT WITH NO AGENTS

Fudo PAM is a complete solution for any environment and provides maximum security of resources. Agentless approach ensures minimal deployment time. It is delivered as a self-contained system (including storage) – no OS pre-installation is required.

## APPLIANCE SPECIFICATIONS:

|                        | F1002                              | F3002                              | F5000                              |
|------------------------|------------------------------------|------------------------------------|------------------------------------|
| FORM FACTOR            | 2 U                                | 3 U                                | 4U                                 |
| DATA STORAGE (USEABLE) | 15.9 TB                            | 599 TB                             | 247 TB                             |
| NETWORK                | 4x1GbE Optional cards available*** | 4x1GbE Optional cards available*** | 4x1GbE Optional cards available*** |
| CONCURRENT SESSIONS *  | up to 100                          | up to 200                          | up to 300                          |
| CONTENT CAPACITY **    | 6 months                           | 2 years                            | 7 years                            |

\* Average 30% FullHD 16-bit graphical and 70% text-based sessions

\*\* Calculated for 50 sessions created per day with average 70% RDP FullHD16-bit and 30% SSH.

\*\*\* Additional cards in Fudo hardware

## ALL MODELS ARE ALSO AVAILABLE AS VIRTUAL APPLIANCES:

| CODE FROM PRICELIST | PRODUCT FROM PRICELIST                                                                     |
|---------------------|--------------------------------------------------------------------------------------------|
| FH-FC16             | Fudo Appliance optional 2x16Gbit HBA FC Adapter (for external storage/data retention)      |
| FH-4x1GbCuBypass    | Fudo Appliance optional 4x1000Mbit Copper Network Adapter with hardware bypass = (4x1Gb/s) |
| FH-4x10GbCu         | Fudo Appliance optional 4x10Gbit Copper Network Adapter                                    |
| FH-4x10Gb           | Fudo Appliance optional 4x10Gbit Fibre Network Adapter + SFP + transceiver                 |