SILVERFORT

SOLUTION BRIEF

ENABLING SECURE AUTHENTICATION AND ZERO TRUST WITHOUT AGENTS OR PROXIES!

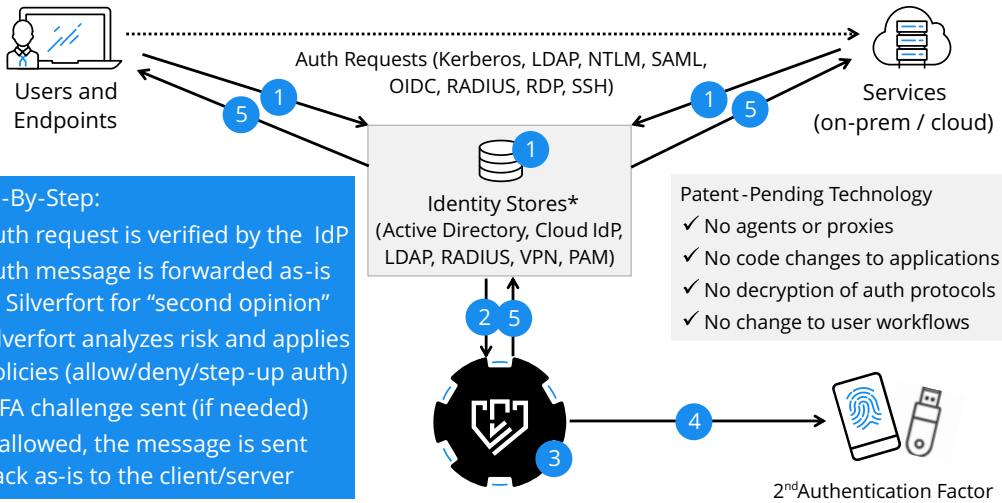
Silverfort enables AI-driven authentication and access policies across entire corporate networks and cloud environments, including sensitive systems that were considered 'unprotectable' until today, with an innovative agentless and proxyless architecture.

Corporate networks are going through dramatic changes in recent years, due to IT revolutions such as the cloud, Internet of Things (IoT) and Bring Your Own Device (BYOD). In this new reality, with countless devices and services all connected to each other without clear perimeters, verifying user identities and controlling their access to sensitive resources becomes more important than ever, but also far more difficult to achieve.

Silverfort Next-Generation Authentication Platform

Silverfort uses an innovative architecture and a powerful AI-driven risk engine to monitor, analyze and secure all authentication and access across the enterprise. It enables Multi-Factor Authentication (MFA), Risk-Based Authentication (RBA), Zero Trust policies and holistic visibility across all sensitive systems, including systems that were considered 'unprotectable' until today, without requiring any agents, proxies or code changes. This includes homegrown applications, IT infrastructure, file systems, IoT devices, dynamic IaaS environments, machine-to-machine access and more.

How Does It Work?



Step-By-Step:

1. Auth request is verified by the IdP
2. Auth message is forwarded as-is to Silverfort for "second opinion"
3. Silverfort analyzes risk and applies policies (allow/deny/step-up auth)
4. MFA challenge sent (if needed)
5. If allowed, the message is sent back as-is to the client/server

Patent-Pending Technology

- ✓ No agents or proxies
- ✓ No code changes to applications
- ✓ No decryption of auth protocols
- ✓ No change to user workflows

* Ask us about our solutions for unmanaged resources

Unique Benefits

- → Enables secure authentication and Zero Trust policies for any sensitive asset, including systems that could not be protected until today
- → Provides a unified platform for monitoring and securing authentication across the enterprise, from legacy on-premise systems to cloud-native applications.
- → The first non-intrusive authentication solution – no agents, proxies or code changes!
- → Delivers unparalleled AI-driven risk and trust engine, detecting threats across the network and automatically responding with step-up authentication and real-time prevention
- → Enhances security while minimizing disruptions to the workforce

We Help Enterprises by Making Their Authentication Secure, Holistic, AI-Driven and Agentless

Agentless MFA for 'Unprotectable' Assets

- Homegrown and legacy applications
- IT infrastructure (hypervisors, DCs, etc.)
- File shares and databases
- Workstations, VDI, Win/Unix servers (including remote admin tools)
- IoT and Industrial Control Systems

Proxyless Zero Trust Architecture

- Monitor and control all user and machine access throughout the network and cloud, and not only at the gateway
- Enable Zero Trust even in large and complex environments, by avoiding any proxies, agents or certificates
- Leverage an unparalleled AI-Based Risk and Trust Engine for intelligent access policies

Machine-to-Machine Access

- Automatically discover service accounts based on their behavior
- Detect deviations from intended use
- Provide automatic AI-driven policy recommendations
- Prevent unauthorized use in real-time, or require admin approval

Secure 'Lift-and-Shift' Cloud Migration

- Enable secure authentication and access for homegrown/legacy systems, and allow migration without security barriers
- Avoid the need to implement modern authentication for each application/server individually

Secure Privileged Access

- Automatic discovery and monitoring of privileged accounts (including stealthy admins)
- MFA for PAM solutions (including the PSM RDP/SSH Proxy)
- Seamless user-experience - no portal/proxy, no need to re-enter OTP for each session (which could make MFA unusable)
- MFA for admin access, including remote admin tools that cannot be protected by standard MFA products, such as Remote PowerShell, WinRM and more

AI-Driven Risk-Based Authentication

- Continuous risk and trust assessment across all users, devices and services, both on-premise and in the cloud
- Leverage AI for behavior analytics, community clustering, human/machine fingerprinting and more
- Prevent lateral movement (e.g. Mimikatz), brute-force, ransomware, reconnaissance
- Automatically respond to detected threats (including 3rd party alerts) with real-time step-up authentication
- Minimize false-positive alerts for the SOC

Compliance and Red Team Assessments

- Achieve compliance with PCI DSS, NY-DFS, SWIFT CSP, NIST and more
- Improve red team assessments and security audits (on either side)
- Address findings of these audits and effectively prevent such attacks from compromising the network

Unified Visibility and Auditing

- Consolidated auditing of all access activity across the organization
- Identify authentication vulnerabilities, high-risk accounts and unutilized privileges
- Actionable insights, reports and logs

SILVERFORT

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