

WHY TRADITIONAL MFA IS NOT ENOUGH FOR CORPORATE SECURITY ANY LONGER

Phishing and social engineering crimes have become more sophisticated over time. Over 60% of organisations experience phishing attacks on a daily or weekly basis. Most modern MFA techniques can no longer withstand the pressure of attacks and need to be replaced.

A phishing-resistant, passwordless solution is the answer to these challenges. **SystoLOCK** is a reliable and easy-to-use passwordless MFA solution for your on-premises and cloud identities.



6000+ active licenses

Made in Germany

Patent pending

On premises solution

Passwordless MFA platform

Cloud compatible

Low TCO

Easy maintenance

High quality since 2003



What is SystoLOCK?



This passwordless multifactor authentication (MFA) solution from Systola can protect your organisation from phishing and other identity-based attacks, even if they are performed against unmanned network nodes. This works for all logins across Active Directory and beyond.

Made in Germany, **SystoLOCK** has been protecting organisations for almost a decade and is constantly evolving to meet new and ever-growing security challenges.

4 Levels Of Protection Against Identity-Based Attacks

01

Passwordless Authentication

SystoLOCK does not rely on passwords to authenticate users. In fact, it removes passwords from user accounts, making it **impossible to compromise** protected accounts through password-based attacks. Instead of passwords, **SystoLOCK** uses detached credentials that are unusable within Active Directory without **SystoLOCK**.

02

Multi-factor Authentication

SystoLOCK credentials are **always multifactor**. These variable factors include knowledge, possession and inherence and are always used together to ensure that only the full set can be submitted to **prevent brute force attacks**. The **SystoLOCK Companion** app makes using these credentials a breeze, providing touchless experience for advanced logins.

03

Phishing Resistance

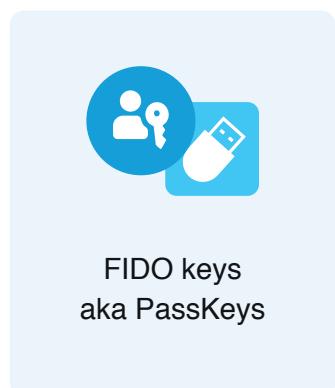
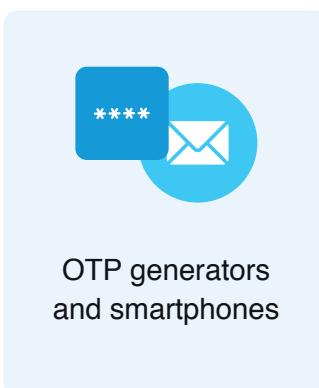
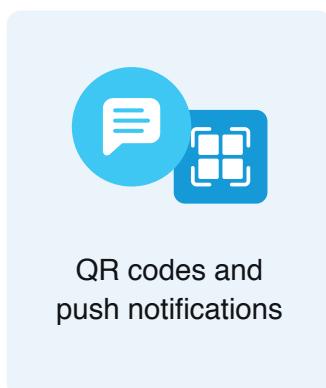
SystoLOCK supports phishing-resistant tokens that combine the ease of use with the power of cryptographic signing. This measure adds **cryptographic proof of ownership** to the authentication mechanisms, while still maintaining the same smooth and highly ergonomic experience.

04

Advanced Cryptography

SystoLOCK uses advanced cryptography to ensure that information transmitted between nodes is **always encrypted** and cannot be intercepted or decrypted even at a later stage. Digital certificates are used wherever possible to facilitate integrity checking.

How Users Authenticate With **SystoLOCK**



What **SystoLOCK** Can Do For You

Use **SystoLOCK** for these and other authentication scenarios in your Active Directory and beyond:

- Login to Windows
- Login to RDP sessions
- Login to VPN
- Privilege elevation
- Impersonation
- Offline login
- Login to Office 365
- Login to external resources

This set of authentication scenarios covers most of your Active Directory logon needs with the highest level of protection against identity-based threats and attacks.



Compliance Made Easy

SystoLOCK helps to meet the requirements of security standards such as NIS2, DORA and PCI DSS. It protects user accounts and organisational assets from potential authentication threats. As a comprehensive passwordless MFA solution, **SystoLOCK** ensures secure access to:



- Privileged assets
- Command-line apps
- Critical applications and servers
- Daily operations

Deployment and Configuration

SystoLOCK is an easy-to-configure platform that can be installed in minutes. Many tedious tasks are automated from the start. Further automation via PowerShell is at the heart of the platform.

- ✓ On-premises solution
- ✓ State-of-the-art industry standards
- ✓ Flexible per-user configuration and roll-out
- ✓ Fair licensing
- ✓ Easy and automated deployment (MSI)
- ✓ Configurable policies
- ✓ Native Windows look and feel
- ✓ User self configuration and provisioning
- ✓ Audit and diagnostics included
- ✓ Automatically discoverable and highly available

SystoLOCK Companion App

SystoLOCK Companion is a mobile application designed to simplify the login process for end users. This easy-to-use and user-friendly application enables simplified and faster logins, while increasing security by eliminating shared secrets.

It is also backwards compatible with most other authenticator applications and can replace them to simplify OTP generation.

SystoLOCK Companion is available on AppStore and PlayMarket.

Made in Germany by Systola GmbH



Systola has been providing IT services to businesses in Europe since 2003, specialising in Microsoft Windows enterprise environments and IT security.

Our portfolio includes a wealth of management tools and patented technologies, as well as expertise in Microsoft Windows domain environments.

Systola's solutions are robust, scalable and easy to integrate into your corporate infrastructure and Microsoft Active Directory.

Let's protect your organisation together!



Roman Kuznetsov, CEO of Systola

SYSTOLA

SystoLOCK Platform And Its Components



SystoLOCK Authentication Server

A lightweight service or a group of redundant services running on machines within the network, servicing the connections from various types of SystoLOCK clients, validating their credentials and requesting digital certificates from the corporate CA on behalf of users. Equipped with 3 PowerShell modules for setup, management, and diagnostics.



SystoLOCK Management Tools

Typically installed on administrators' PCs and on SystoLOCK Servers and is implemented as an MMC Snap-In and a PowerShell module. Combined with an extension for ADUC console, provides a comprehensive management and monitoring solution for SystoLOCK.



SystoLOCK Windows Client

The driver that runs on any client or server machine participating on SystoLOCK infrastructure and is responsible for collecting SystoLOCK credentials from the users. Also provides advanced functionality, such as diagnostics and self-service. Capable of mass roll-out via software distribution tools.



SystoLOCK VPN Client

Typically runs on notebooks, SystoLOCK VPN client can establish VPN connections utilizing SystoLOCK credentials. Compatible with Microsoft VPN and Cisco AnyConnect.



SystoLOCK Identity provider and AD FS Adapter

Runs on on-prem servers or inside Azure and provide SystoLOCK compatibility to a variety of web applications and authentication services that utilise SAML2, such as Office 365, Sales Force, etc.



SystoLOCK Remote Desktop Gateway Plugin

A plugin that provides cookie-based authentication for Remote Desktop Gateway for internet-facing servers of Remote Desktop Session Host farms. Designed to work with SystoLOCK Web Portal Plugin.



SystoLOCK Companion

An advanced mobile authenticator capable of automatic user authentication with SystoLOCK servers and also of generating OATH-compatible one-time passwords for generic use.



SystoLOCK RADIUS Plugin

Runs as a plugin for Microsoft Network Policy Server to facilitate VPN-logins via almost any VPN-Gateway.



SystoLOCK Remote Desktop Web Portal Plugin

An IIS-module that injects authentication cookies into RDP-files and provides compatibility to SystoLOCK authentication via an AD FS Proxy.



SystoLOCK Companion Proxy and Rendezvous Agent

A service that provides inbound connectivity to Authentication servers for the Companion app without the need to open perimeter ports.



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