



Protect your Windows servers, desktops, laptops, tablets, virtual systems in enterprise & cloud

CionSystems Multi-factor Authentication



CionSystems has created a user-friendly multi-factor authentication module that can be deployed on managed workstations that utilizes the enterprise's credentials username + password and then supplements it with a second factor of authentication. The second factor can be configured for one of these 3 options:



Token based-Generic
USB key



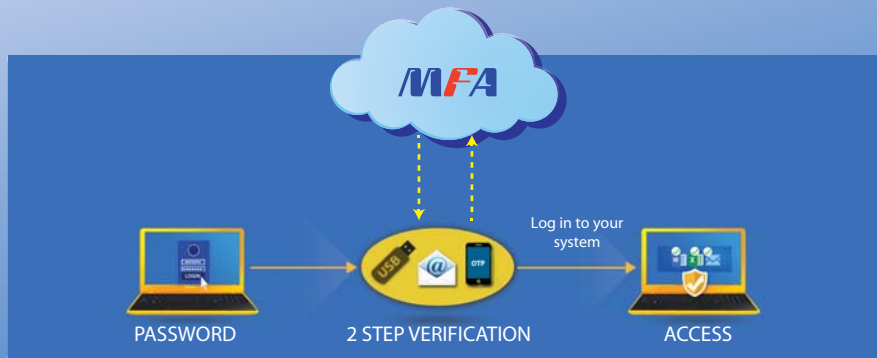
Challenge-Response
questions



Out-of-band OTP
sent as SMS on phone

CionSystems provides a software management suite that fills critical gaps in Microsoft Azure, Office 365, Microsoft Exchange and Active Directory (AD) and other non-Microsoft LDAP/Directory, OpenLDAP, Linux, Google, Salesforce, IaaS clouds, and SaaS offering. CionSystems' solutions allow businesses to effectively, efficiently and economically manage security – for both on premise and off-premise systems, applications, and data.

Multi-factor Authentication



One of the most significant security weaknesses in any information system is the password-based single-factor credential that is commonly used to authenticate a user to a system. Security experts widely advocate for replacing single-factor credentials with multi-factor authentication (MFA) methods. Since MFA solutions are dramatically more secure due to their ability to withstand brute force, keylogger, man-in-the-middle, and other common attacks.

Multi-factor authentication is an extra layer of security that requires not only a password and username but also something that only, user has, something only they should know or have immediately on hand, such as a physical USB disk or a mobile phone to receive OTP (One time Password), Quiz questions or an OTP to external email address. Multi-factor authentication assures your data and accounts are protected and significantly reduce the chance of being hacked from all intruders

- ✔ Token based - Generic USB key
- ✔ Challenge-Response questions
- ✔ Out-of-band OTP sent as SMS on phone
- ✔ Out-of-band OTP sent to registered email

Why You Need

It's easier than you think for someone to steal your computer password and gain access. Any of these common actions could put you at risk of having your password stolen:

- ✔ Using the same password & not changing it
- ✔ Downloading software from the Internet
- ✔ Clicking on links in email messages
- ✔ Sharing passwords
- ✔ A new account is created in your computer without your knowledge
- ✔ If the computer is lost or stolen

Multi-factor verification reinforces privacy, security and data protection even when password is compromised

Imagine unauthorized access to your computer that has everything in it locally or remotely

If the password is compromised then the following may happen:

- The hacker will have access to all your data , critical files, email, contacts, photos etc.
- Login to all of your internet accounts
- Pretend to be you and send unwanted or harmful emails to your contacts
- Use your account to reset the passwords for your other accounts (banking, shopping, etc.)

How does it work

Cionsystems multi-factor authentication is an extra layer of security that requires not only a password and username but also something that only you know and have access to, such as a physical USB disk with the token or a mobile phone to receive the OTP (One time password)



1 You'll enter your password

Whenever you log in/unlock your system/server/ virtual system locally or remotely, you'll enter your password as usual.

2 You'll be asked for something else

Then, a screen appears asking you something that only you know or have immediately on hand, such as a physical USB disk that is a key to your system or a mobile phone to receive OTP (One time Password), Quiz questions or an OTP to external email address

Advantages

Keep your Systems even more secure

Instead of using verification codes, you can insert a USB security key that you can provision as unlock key into your computer's USB port for even more protection against phishing. No special hardware is needed. You can use any flash drive (USB Disk) as your unlock/login key.

Get codes via text message on mobile phone and external email

Cionsystems service will send OTP(One time Password) to your mobile phone / email address.

Use challenge questions

Use answer challenge questions to login.

For more details: