# Multi-Factor Authentication (MFA)

Rublon

What is Rublon?

Rublon is a cybersecurity solution that provides employees secure access to their organization's IT resources using multi-factor authentication.
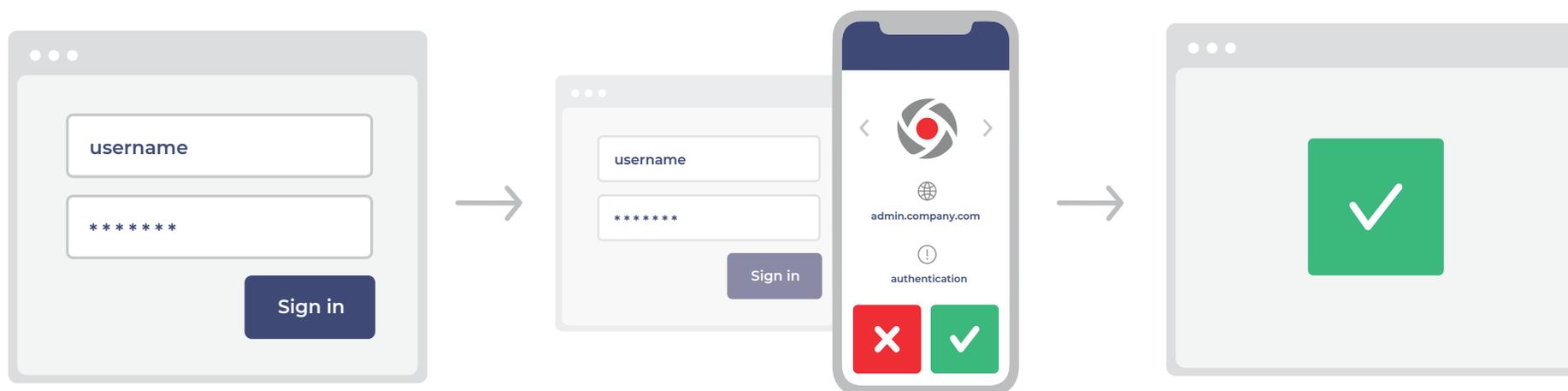
After entering the correct password, the user can be asked to authenticate with a second factor.

For example, the user will be sent a mobile push notification, which they confirm on their mobile phone.

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Why Multi-Factor Authentication?

IT departments have little control over their employees' passwords. After all, the passwords should only be known to their employees. Passwords can be written down, reused and stolen by phishing attacks.

According to the 10th edition of the Verizon Data Breach Investigations Report (2017), 81% of data leaks caused by hacker attacks used stolen and/or/ weak passwords.

You can minimize these risks by securing logins with multi-factor authentication.

Reasons to choose Rublon

1. User Experience

- Users enroll themselves using Rublon Authenticator on their mobile phones.
- Rublon offers the most user-friendly authentication factors:

  Mobile Push via Rublon Authenticator app, WebAuthn/U2F Security Key.

2. Pervasive

- Rublon can be integrated with most technologies that are used by companies (e.g. via SAML, RADIUS, Web SDK/API or dedicated plugins and modules).

3. Agility

- Rublon is developed in agile methodologies, which means that market- and technology-related enhancements are released quickly.

4. Cloud or Server

- Use Rublon in the cloud or run Rublon as a server in your own infrastructure.

5. Low Cost

- Only $1 USD per user per month
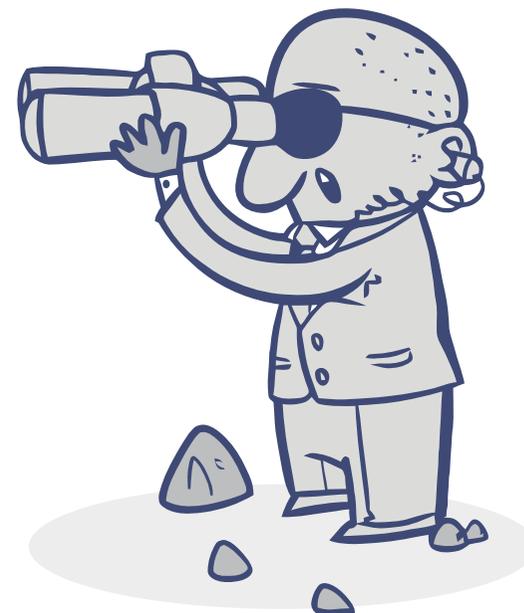
Components for Users

Rublon Prompt

Select the authentication method
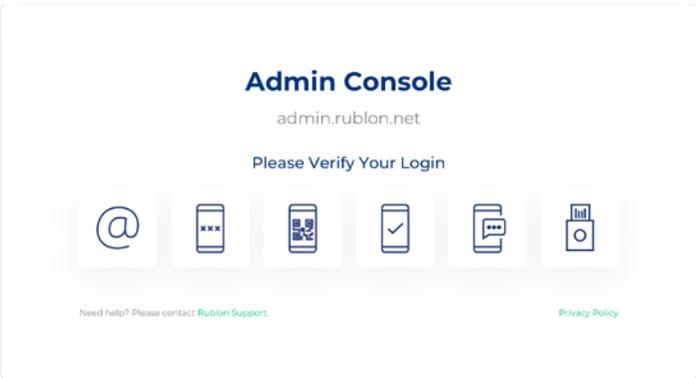
Rublon Authenticator (Mobile App)

App Store (iOS), Google Play (Android)
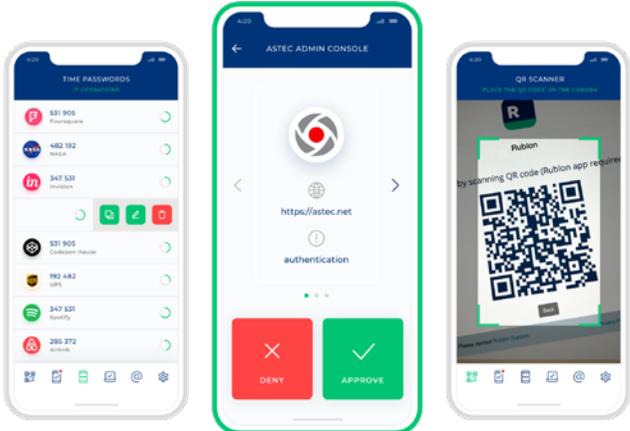
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Components for Administrators

1. Rublon Admin Console (Web Portal)

- Manage applications
- Manage users
- Manage WebAuthn/U2F Security Keys
- View Authentication Logs
- Change system-wide settings

2. Rublon Access Gateway (Server)

- Enables integrations via SAML

  Cloud: Office 365, Salesforce and others

  VPNs: Cisco and others

3. Rublon Authentication Proxy (Server)

- Enables integrations via RADIUS

  VPNs: Cisco, Citrix, SonicWall and others

  Kemp, Awingu

4. Rublon for Linux SSH (PAM Module)

- CentOS, Debian, RHEL, Ubuntu

5. Rublon for RDP & Windows Logon (Connector)

- Windows Server 2012, 2016, 2019, Windows 10, Windows 8.1

6. Rublon for Microsoft Remote Desktop Gateway (Connector)

7. Rublon for Microsoft Remote Desktop Web Access (Connector)

8. Rublon for Microsoft Remote Desktop HTML5 Client (Connector)

9. Rublon for Microsoft AD FS (Connector)

- Windows Server 2016, 2019

10. Rublon for Jira & Confluence (Plugin)

11. Rublon Web SDK

- Simplifies integration with custom-built web applications

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Examples of Connectable Applications

VPN via RADIUS/SAML	CISCO	CITRIX Gateway	SONICWALL	f5
Microsoft	Windows		Office 365	Microsoft Active Directory Federation Services
Web	Confluence	Jira	WORDPRESS	Custom (SDK)
Cloud via SAML	Office 365	G Suite	salesforce	zendesk
Linux	>ssh	CentOS	debian	ubuntu

See more at www.rublon.com/docs

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Authentication Methods

Mobile Push

A request is sent by push notification to the user's mobile device, who must confirm it by tapping "Approve"

Mobile Passcode

A unique passcode generated based on the TOTP standard (RFC 6238) that changes every 60 seconds

WebAuthn/U2F Security Key

Hardware security keys based on the WebAuthn and FIDO U2F standards (e.g. YubiKey)

QR Code

A unique QR code that must be scanned by the user with their mobile device

SMS Passcode

A one-time passcode that is sent to the user's mobile device via SMS text message

Email Link

A one-time link that approves the login when clicked

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Visit www.rublon.com to learn more.

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