

## FLEXIBLE AUTHENTICATION SOLUTION:

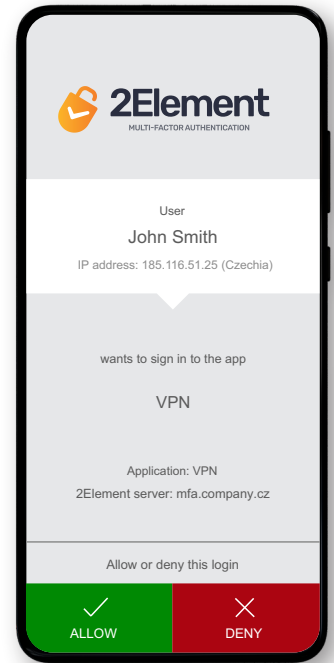
- **MULTI-FACTOR AUTHENTICATION (MFA)**
- **SINGLE SIGN-ON (SSO)**
- **IDENTITY PROVIDER (IdP)**
- **IDENTITY AND ACCESS MANAGEMENT (IAM)**

## SOLUTION FEATURES

- Flexible solution for organizations and companies of all sizes.
- Using MFA complements problematic passwords with other factors.
- Czech and English language support (*other languages can be added*).
- Flexible solution for authentication – of employees, partners, customers – into internal/company systems.
- Option of on-premise installation in the customer's infrastructure.  
No part of the application or data needs to be in a third-party cloud.

## SUPPORT OF MODERN TECHNOLOGIES

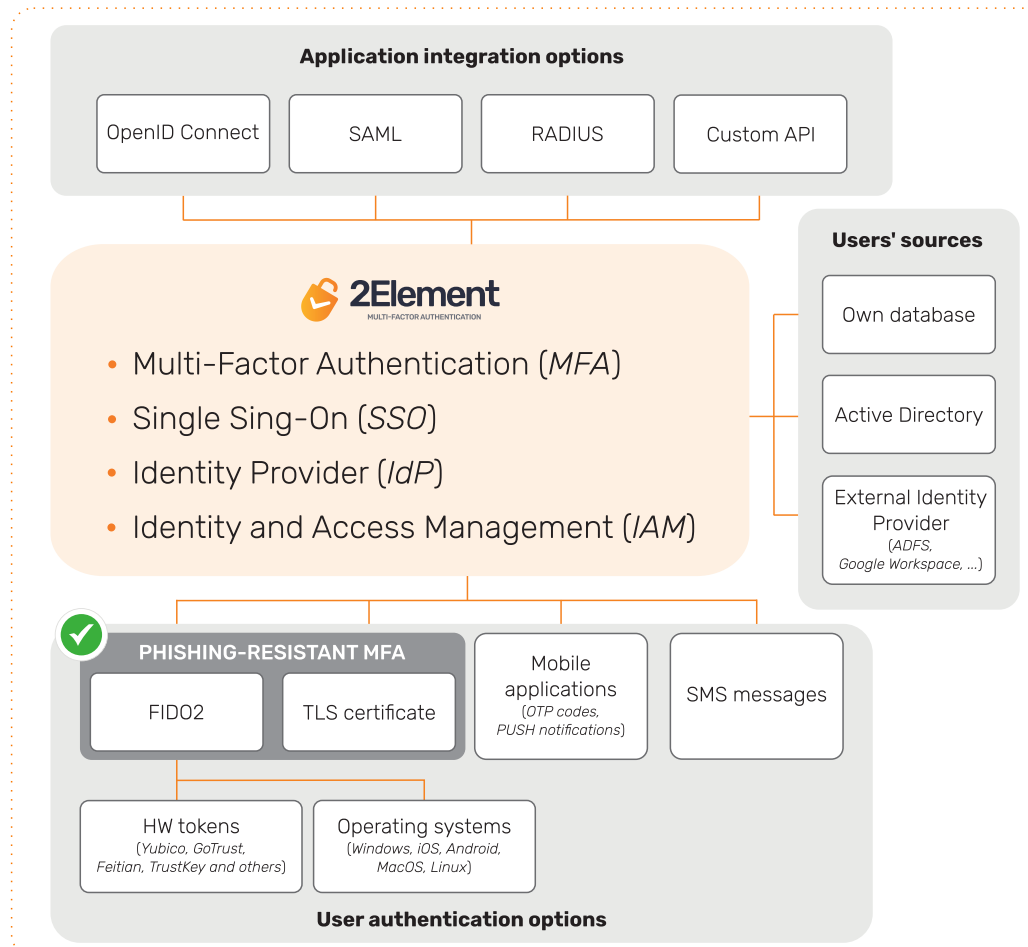
- **FIDO2/WebAuthn** – Support of modern standards.
- **Phishing-Resistant MFA** – Prevention against phishing attacks.
- Support of **passwordless** authentication.



Android



iOS



## RISKS OF USING ONLY A PASSWORD

- Brute-force attacks
- Phishing
- Keylogging
- Social engineering
- Malware

## COMPLIANT WITH RECOMMENDATIONS OF

NÚKIB



## PHISHING-RESISTANT MFA

- Authentication method that prevents an attacker from obtaining the user's credentials through fraudulent manipulation (e.g. sending an email message and other social engineering techniques).
- The **FIDO2** standard is a more secure method of authentication compared to traditional solutions such as one-time passwords (OTP) or PUSH notifications.
- **HW keys for FIDO2.**
  - Yubico
  - SoloKeys
  - GoTrust
  - Swissbit
  - Feitian
  - Token2
  - TrustKey
  - and others...



## INTEGRATION OPTIONS

- Open API for integration into third-party applications.
- Support for **ADFS, OpenID and SAML** (e.g. customer cloud services).
- **RADIUS** support (e.g. for VPN).
- SMS gateways.
- Password manager – we can deliver complete solution.

## SUPPORTED SERVICES AND APPLICATIONS



VPN accesses (Fortinet, Cisco, CheckPoint, Palo Alto, ...)



Administrator RDP/RDG accesses to MS servers



Remote desktops (RDP/RDG) for users/administrators



Local user computer logins



ADFS (Active Directory Federation Services) integration



Cloud services (Microsoft 365, Google Workspace, Bitwarden, ...)



Customer's own application (Helpdesk, Intranet,...) using API



Portals and solutions for partners and customers



Other integrations using Radius or LDAP protocols



Support for ADFS, OpenID, SAML



## CUSTOMIZED CUSTOMER SOLUTIONS

- For larger implementations we offer a customized solution that is popular today, for example, in banks under their names.
- We will supply the customer with a **customized mobile application** fully compatible for all MFA accesses.
- Suitable as a consolidation of all applications that should use MFA for authentication.
- **"White label"** customization
  - for server (custom name and design).
  - for mobile applications (custom name, design and fixed connection with the customer's server).

## PARTNERSHIP WITH MANUFACTURERS

VPN access

**FORTINET**

**CHECK POINT**

**CISCO**

**paloalto**  
NETWORKS

and others...

FIDO2 Hardware tokens

**yubico**

**GoTrust**  
ID IS ME

**FEITIAN**  
WE BUILD SECURITY

**TRUSTKEY**  
SOLUTIONS

and others...

More information: [www.2element.cz](http://www.2element.cz)

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