



# altipeak security

Secure all your digital assets with MFA everywhere

- ✓ Covers all use cases with MFA
- ✓ Passwordless on all devices
- ✓ Broadest choice of authenticators
- ✓ Authentication, Transaction & Digital signature
- ✓ Unique simplicity to deploy Mobile apps
- ✓ Comprehensive, competitive and simple pricing





**Altipeak** is a Swiss based company at the forefront of security technology.

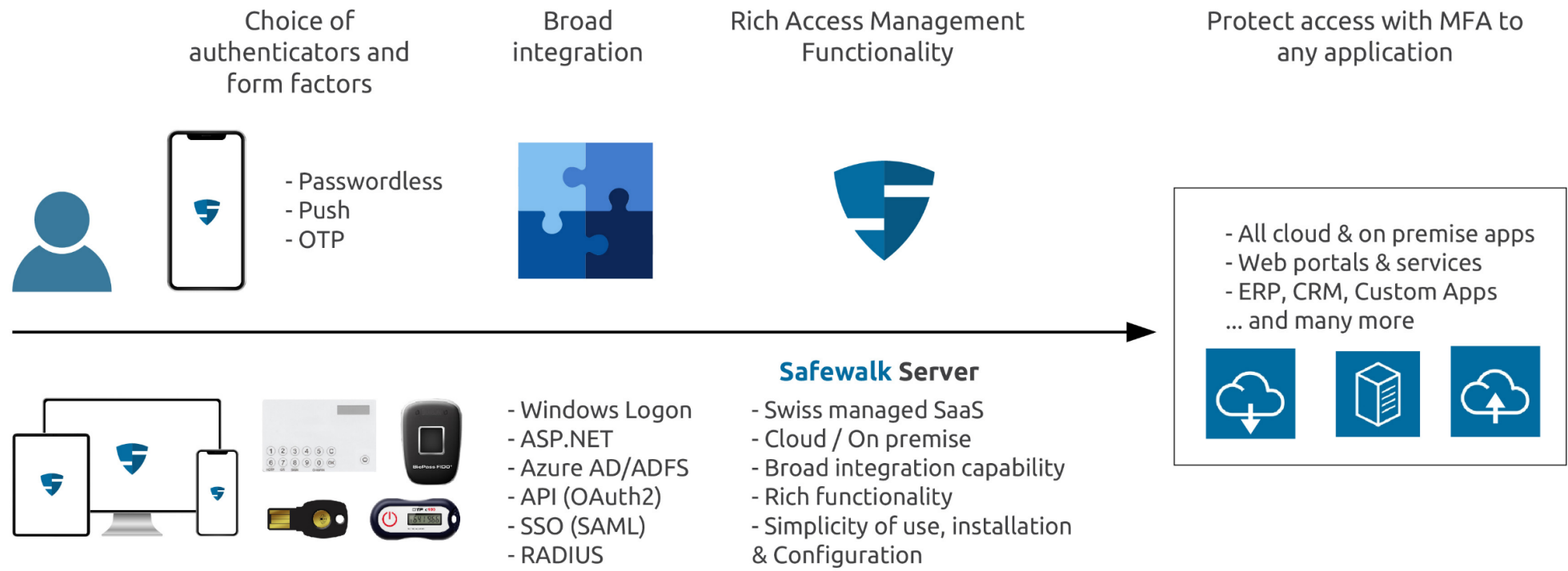
**Safewalk Access management** provides a single platform for all use cases and topologies.

It provides the flexibility to adapt MFA to all your needs

- ❖ Clients from all industries in 4 continents
- ❖ World clock time zones support coverage

- ❖ World wide network of partners including :
- ❖ Value Added Resellers, Service providers & Technology partners



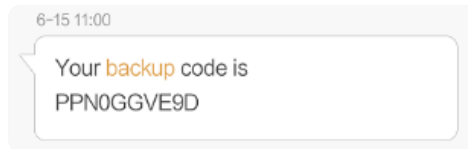


# Choice of authentication methods

We address all your authentication needs

## Safewalk supported authentication methods

- Fast Auth mobile app (Push, QR, TOTP)
- FIDO 2 tokens (June 21)
- OATH SW & HW tokens (TOTP, HOTP)
- SIM based token (Swisscom Mobile ID)
- Virtual - SMS/E-Mail Passcodes
- Automatic call OTP
- Static passwords (local & LDAP/AD)
- Backup codes



## All in one Fast Auth Mobile app

Passwordless PC access

Passwordless Mobile access

Click to access (Push)

TOTP

SIM token

Swiss mobile Operators



## SIM Card based token

- ❖ Twofold Security through PIN and smartphone
- ❖ Hardware (SIM Card) token based security (LoA4)
- ❖ Asymmetric authentication (public & private key)
  
- ❖ Authenticate quick & easy with Mobile ID
- ❖ Independent of mobile phones OS
- ❖ Easy and fast self activation



- ❖ Available for Swiss mobile operators

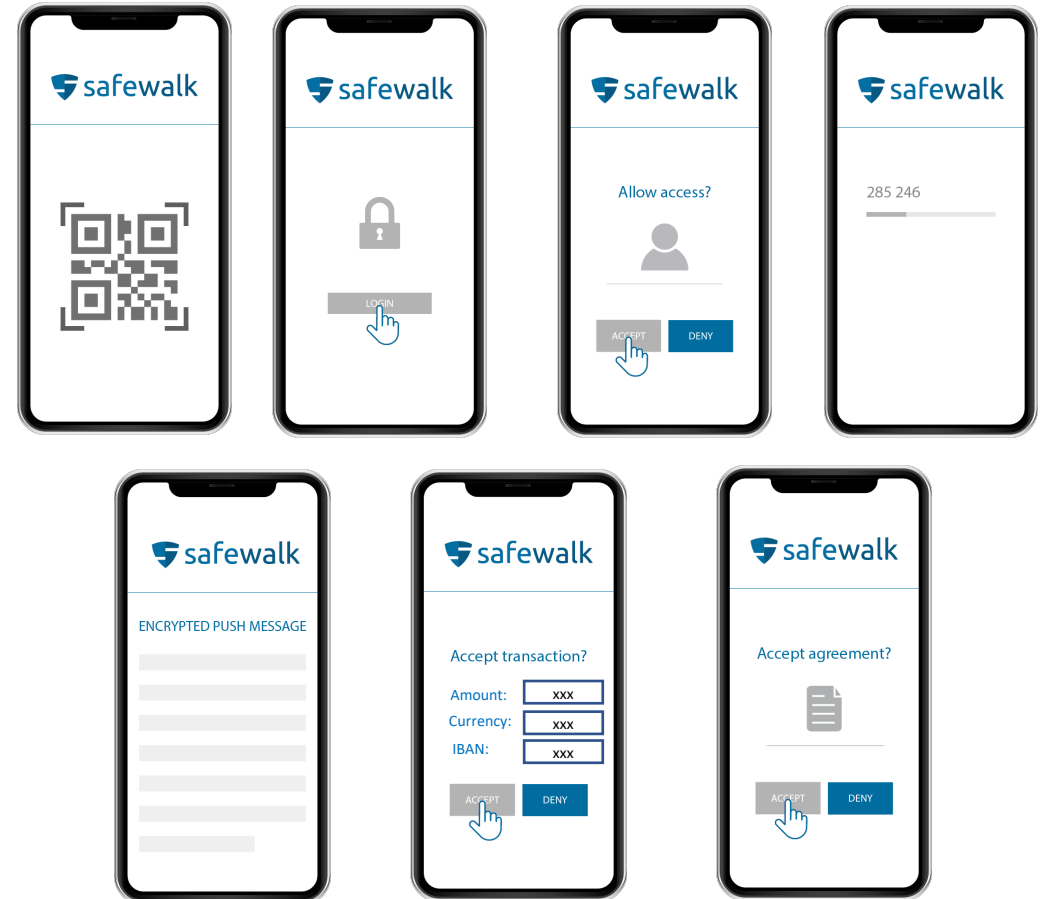
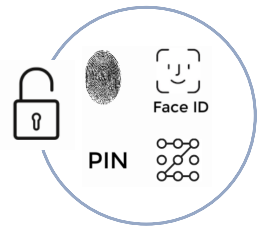
# All in one **Fast Auth** mobile app

## Single mobile app with broad features

### Fast Auth features

- Authentication
- Transaction & Data signature
- Secured Messaging
- Multiple token instances
- Configurable on boarding flows
- Single registration if several used methods
- Native & Xamarin Mobile SDKs including full functionality

For iOS & Android OS



# Fast Auth Mobile authentication methods

For all use cases with seamless user experience

## Passwordless

- Asymmetric keys
- Two-way authentication (Server vs Mobile app)
- QR for PC access
- Login button (deep link) for Mobile access

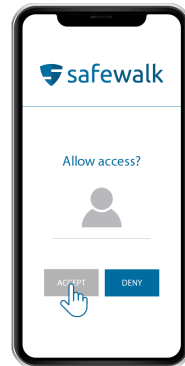


## Passwordless Mobile access

- Login button is displayed instead of a QR
- Login button contains a deep link with a random server signature verified by the App
- User click + biometric authentication

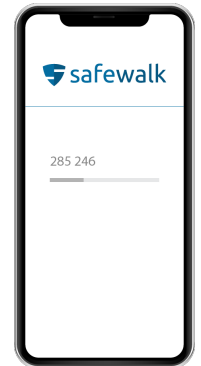
## Click to access (Push)

- Asymmetric (private & public keys)
- Two-way authentication (Server vs Mobile app)
- Upon click "Accept" button, the server signature is verified by the App



## TOTP

- Time based OTP
- Can be used as fall back with other methods

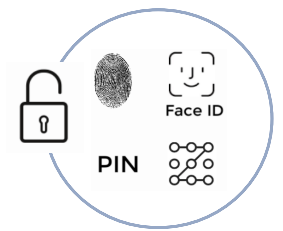
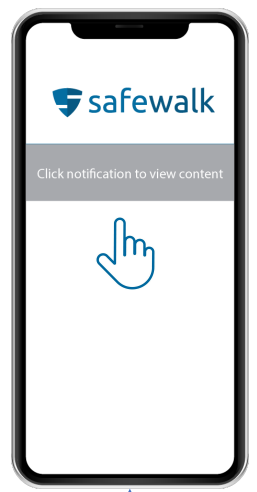


To interact with users with total confidentiality and security

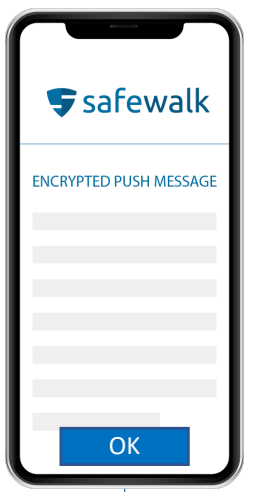
### Secured push messages

- Push messages directed to users
- Confidential data transmission
- User signs delivered message
- User authenticates to read message
- Message deleted once visualized
- Log of received and opened messages
- Source verification

### Message delivery



### Message visualization



Customisable messages sent using API



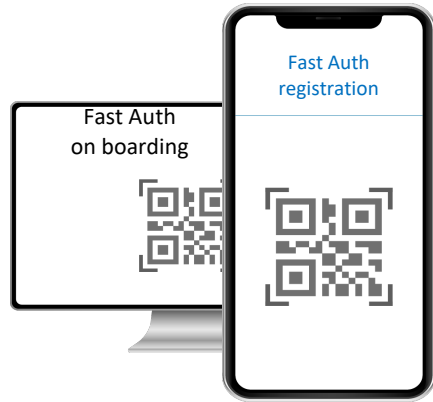
Log of received and visualized messages





## On boarding methods flexibility

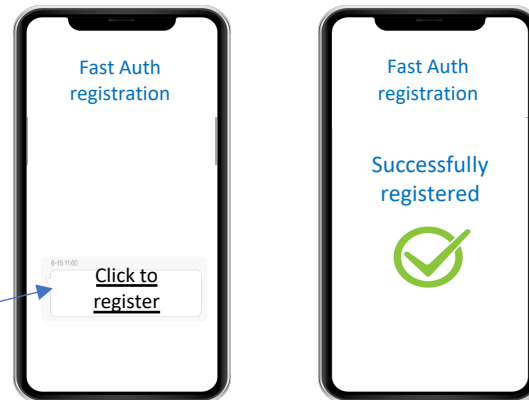
Registration with QR scan



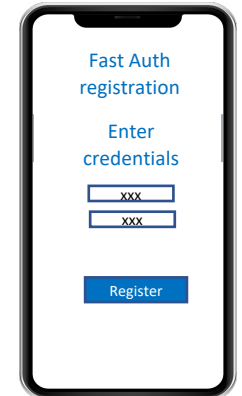
- Safewalk Fast Auth offers 3 registration methods
- Registration flows can be configured and customized

Click or input less automatic registration available for customized/branded Fast Auth app

App registration link is sent by SMS/email

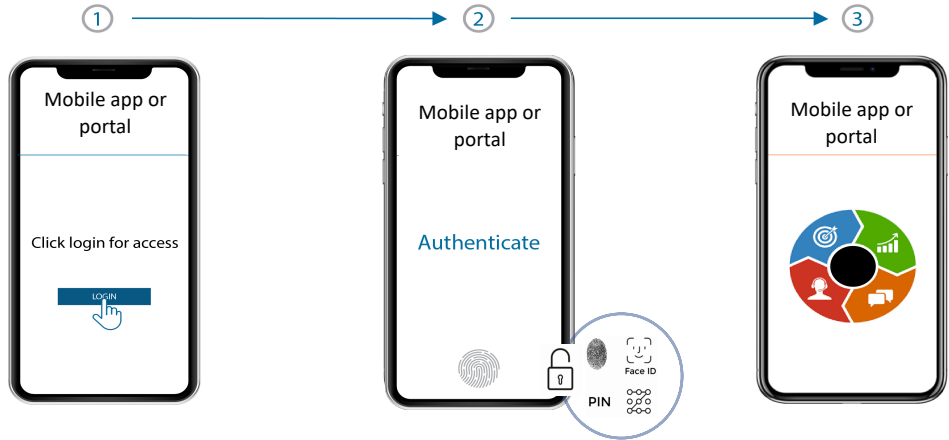


Manual registration



## Seamless integration of modern MFA methods to your Mobile apps

Integration option	Method	Implementation
Mobile web access	Deep-link with asymmetric authentication User clicks on a login button, authenticates and access is granted and reverts to calling app after authentication	No specific development or integration
SDK integration	All Fast Auth functionality can be fully integrated within a third-party mobile app	SDK library integration
Side by side mobile apps	Deep-link with asymmetric authentication Fast Auth is automatically opened when user press login button and reverts to calling app after authentication	API or SAML + deep-link integration
Mobile branding	Safewalk features for simple UI & messages branding and customization	No specific development or integration



## Fast Auth MFA methods integration or customization

### SDK Signature

- ❖ Push notification for transaction and data signature
- ❖ Input less QR signature
- ❖ Input less deep-link signature for mobile

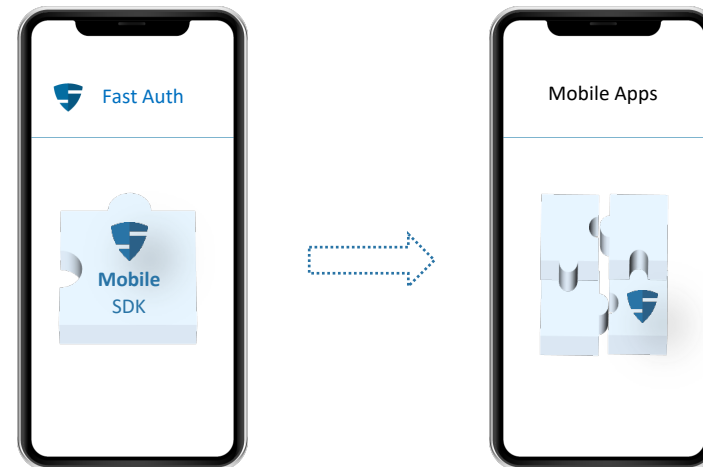
### SDK Authentication

- ❖ Passwordless QR
- ❖ Passwordless deep-link for mobile
- ❖ Push notification authentication
- ❖ OTP

### SDK Registration/On boarding

- ❖ OTA registration
- ❖ QR registration
- ❖ Deep link (sms link) registration
- ❖ Manual registration with temporary reg code

Can be included for any iOS and Android device  
Native SDKs + Xamarin

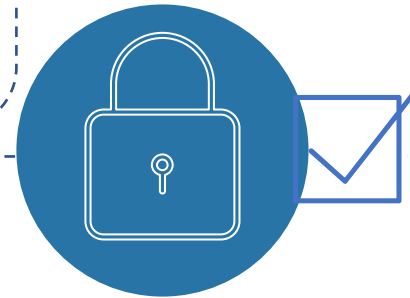


Convenient to every context



## Virtual tokens:

- ✔ No need to install an application
- ✔ SMS / Email passcodes / Phone call
- ✔ Support of failover for high availability to guarantee message delivery



## Backup tokens:

- ✔ For temporary users
- ✔ In case of urgent need for access (token or device not available or lost)
- ✔ With expiration and and/or number of attempts
- ✔ Can be configured by system administrator
- ✔ Same back-up token license can be reused for different users

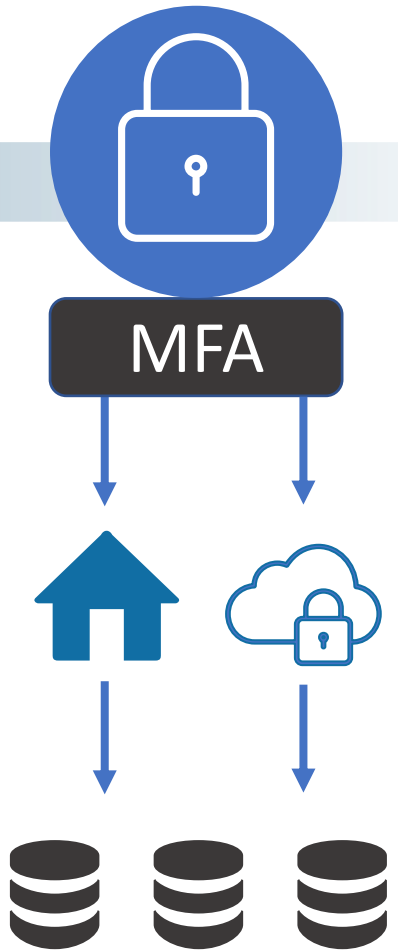
## Rich functionality, Intuitive, Simple

- ❖ Simple and automatic user provisioning
- ❖ Role based settings, multi-level configuration
- ❖ Groups support and AD groups mapping
- ❖ Scalable with High Availability
- ❖ Mobile provisioning & authenticators settings
- ❖ Automatic association rules
- ❖ Self-contained (Linux)



## Broad MFA & integration scenarios

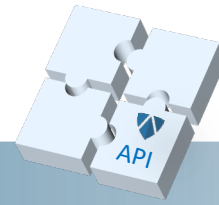
- ❖ SSO, Radius, SAML, API, AD FS
- ❖ Virtual Desktop Infrastructure (VDI)
- ❖ VPN, VPN/SSL and Firewall access
- ❖ AD & AD FS MFA Plug-In for smooth SSO integration with SharePoint, Office365 and many more
- ❖ Windows desktops and servers (including RDP & RDS)
- ❖ Windows Logon Credentials Provider for Desktop Authentication & Remote Access
- ❖ RDWeb/OWA and any ASP .Net form Application
- ❖ Multiple AD/LDAP Directory servers & internal users



.....and many more



# Safewalk server Restful Oauth2 API



We address all your authentication needs

Flexible functionality extension, automation, customization or use of Safewalk server services from other applications

## Safewalk OAuth2/RESTful API

- ❖ All Safewalk authentication procedures as well as user provisioning, helpdesk & higher-level management procedures are exposed through a role-based OAuth2/RESTful API

## Management Console

- ❖ A web-based interface that provides role-based access to manage users, authentication settings, view transactions, reports and more. The main idea of this interface is to provide access for helpdesk personnel or system administrators to perform tasks that are needed frequently but has no system-wide impact.

## Self-Service Portal

- ❖ A web-based interface that provides access to end users to reset their LDAP/AD passwords and to manually register their authentication device

All actions that are performed on Safewalk server consoles are exposed through Safewalk OAuth2/RESTful API. It allows to implement and automate its own procedures without using the management console directly.



We are flexible to fit with your context and needs

- ❖ SaaS (Swiss hosted service operated by Swisscom)
- ❖ On Premise
- ❖ Private Cloud (Azur, Amazon, Swisscom or other)
- ❖ Managed services (On premise & Cloud)
  
- ❖ Perpetual license/user + yearly maintenance & support (18%)
- ❖ Monthly subscription all in
- ❖ Pay per use (for large volumes of users and/or occasional users)

