

MORPHO ACCESS CONTROL SERVER

SECURE IDENTITIES AND ACCESS



Morpho (Safran) is a global leader in security solutions. We assist both public and private sectors in ensuring security and building trust in an even more digital and mobile world. We offer innovative solutions for strong authentication, secure online transactions and legally-binding archiving. In particular, Morpho works hands in hands with the banking and insurance sectors to secure corporate and private digital transactions. Morpho helps public administrations to implement digital processes by guaranteeing data security and giving legally binding value to legal and administrative acts. Morpho also provides industrial groups with solutions which enable secure digital exchanges with their customers, suppliers and partners (e.g. maintenance, manufacturing, purchasing...). Our solutions and services are proven in diverse contexts and are certified according to the highest international security standards.

MORPHO ACCESS CONTROL SERVER

SECURE IDENTITIES AND ACCESS

IDENTITY, ACCESS AND TRANSACTIONS

The increasing use of digital transactions and mobile computing introduces new challenges concerning secure identities and transactions. These include:

Diversity and renewal of factors - The continuous evolution of authentication factors, both software and hardware, requiring onscreen data entry or validation on a second channel, leads to complex use cases, and complicates management for portals, extranets, and applications that use them to authenticate users.

Constantly evolving technology - FIDO / SAML2 / OpenID authentication, XACML authorization, and OAuth API security, just to name a few, present challenges for integrating functions that secure identities, access and transactions in information systems.

The need for adapted assurance levels - Organizations often have different requirements, depending on various needs. For instance, sometimes they will need to implement simplified user experiences (SSO, recognition of a personal device...) or highly secure processes (for sensitive operations, or high risk situations). This requires a solution that offers a wide range of risk mitigating capabilities to reduce costs and improve user experience.

MORPHO ACCESS CONTROL SERVER

MACS is an **Identity and Access Management solution** that is compatible with almost all authentication factors. It manages **authentication and access authorizations** for both web portals and mobile applications, and also handles the distribution of identities (identity attributes). MACS is **available as a server**, and **includes SDK and standard APIs**.

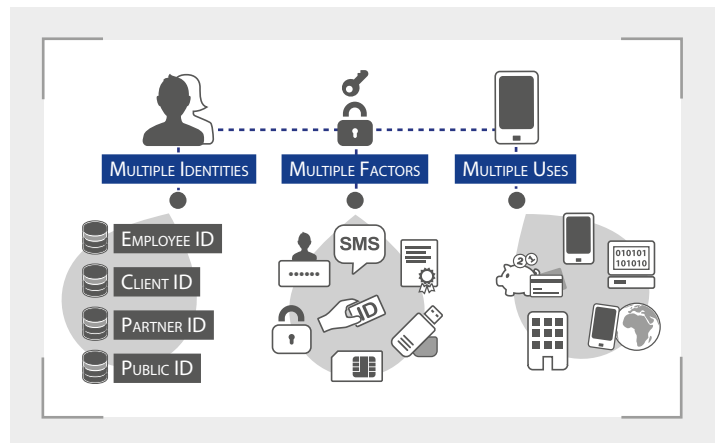
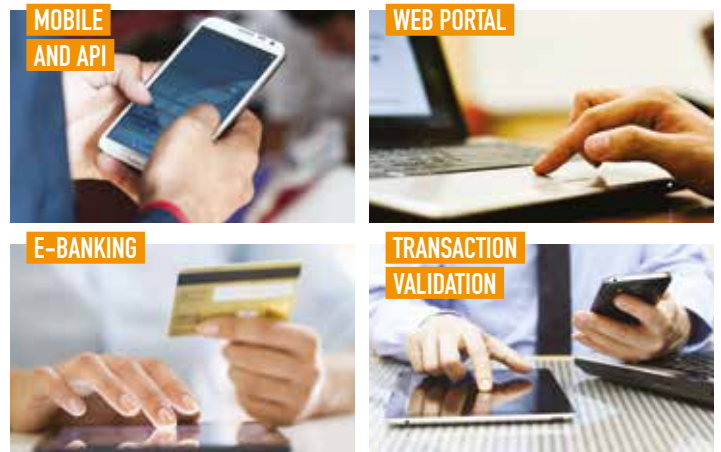
MACS assures the traceability of an identity starting at its declaration (provisioning or enrollment), by addressing the lifecycle of associated authentication factors (use for authentication, association, renewal, blocking/unblocking) and administration operations.

MACS offers various responses thanks to the management of contexts, rules, and scenarios, in order to provide a user-friendly solution that is adapted to a specific access or operation.

KEY BENEFITS

- Identity Provider (IdP)
- Server for identity provision (IdP), versatile authentication (VAS) and authorization (AS)
- Identity enrollment, factor association
- Interoperable (SAML2, SOAP, OAuth2, OpenID)
- Available on-premises and in SaaS
- Certified (Visa/MC) and conform (IdP SAML2)

Morpho Access Control Server secures



USE CASES

- **Banking / Insurance:** access to online portals, SSO between various applications, secure mobile platforms, secure online sales, secure online or in-branch contract enrollment.
- **Industry / Telecom:** authentication component for Cloud systems, authentication for VPN or extranet access.
- **Public Sector:** secure declaration on public and civil servant portals.
- **Government:** secure e-Services using e-IDs, identification based on guaranteed identity data (legal age, birthdate...), derivation / association of additional factors (smartphone).

MAIN FEATURES

Versatile authentication

Supporting a wide range of authentication factors, MACS provides a single response for adapted authentication that meets security and risk requirements for resources and operations that need protecting.

Complete traceability of actions

MACS assures the traceability of operations by conserving signed evidence.

This evidence contains all the details of the operation: the actions of the users and administrators, application calls.

Factor life cycle management

To offer simplified integration and complete traceability, MACS manages the lifecycles of factors (enrollment, derivation, revocation).

Multiple identity repositories

MACS is compatible with standard market identity repositories (LDAP, SQL, SOAP), as well as with mainstream identity providers (Google, Facebook...).

MACS has numerous scenarios and uses for clients, partners, and employees.

Transaction confirmation

Authentication is especially critical when used to confirm transactions. MACS offers context-based authentication, thanks to personalized exchanges during verification (customized SMS, connected CAP reader screen, message sent to smartphone requesting authentication...) and the user-friendliness of the proposed screens.

Multi-tenant, high performance and high-availability

MACS is an enterprise service that can be used by many applications thanks to a multi-level administration, high performance (several hundred authentications/second), support of load balanced architectures and high availability.

Mobile-based security

The MACS versatile guarantee is also available on mobile devices: Morpho Cloudcard, NFC smart card, EMV-CAP Bluetooth readers (Vasco), voice biometrics.



© grainstudio / Fotolia

TECHNICAL SPECIFICATIONS

STANDARDS

- Identity Provider SAML2 / WebSSO Profile
- ACS 3-D Secure / V.Me (PCI DSS conformity)
- Authorization Server (AS) OAuth2 & OpenID Connect
- STS WS-Federation
- OpenID Provider

INTEGRATION

- Branding – simple (logos, colors), or advanced, using a client API Web Service (API REST)

- Localization
- API Web Service server (API SOAP)

FEATURES

- Factor lifecycle management
- Authentication contextualization
- Supports 'terms and conditions of use'
- Identity attribute management

SERVERS

- Active Directory, Oracle Directory, OpenDJ, OpenLDAP

- Morpho MVS, RADIUS

AUTHENTICATION FACTORS

- Password
- Challenge / Response
- Certificates (smart card, token, software certificates)
- Bank cards (EMV-CAP/DPA) with OTP or connected readers
- Mobile authentication by SMS, SIM
- (MSSP*), soft token (OATH)
- Morpho e-ID, YpsID token
- Identity federation: (Google, Facebook)

- Supports other factors upon request

VALIDATIONS SERVERS

- Active Directory, Oracle Directory, OpenDJ, OpenLDAP
- Morpho MVS, RADIUS
- Agnitio Kivox
- Morpho eTrust, RMID, MBSS**/IM

* Mobile Security Service Provider - ETSI TR 102 206

** Morpho Biometric Search Services



© kalwin / Thinkstock

CERTIFICATIONS / COMPLIANCE



▶ HOW TO CONTACT US?

Great Valley Corporate Center
20 Valley Stream Parkway Suite 305
Malvern, PA 19355 USA

morpho.businesssolutions.noram@morpho.com

KEY MISSIONS, KEY TECHNOLOGIES, KEY TALENTS

Morpho

11, Boulevard Gallieni - 92130 Issy-les-Moulineaux - France
Phone: +33 (0)1 58 11 25 00 - www.morpho.com
Société par actions simplifiée au capital de 159.876.075 euros 440 305 282 R.C.S. NANTERRE

