intercede

MyID

MyID mobile credential management

Replace insecure passwords with two-factor authentication for secure access to corporate resources from mobile devices.

Organisations today want to enable access to corporate resources from mobile devices; app-aware employees expect it and a mobile workforce is more productive. However, organisations don't want to use passwords because they are insecure as well as inconvenient for the end user. Relying on passwords creates a major help desk challenge and leaves the front door open to hackers.

Device and OS providers have realised this and most mobile devices now have places to store and use stronger credentials – typically keys and certificates. These enable the use of two-factor authentication for activities such as secure email, VPN and secured website access, replacing multiple complicated passwords with a secured credential and PIN.

However, each platform is different and there are multiple places to store credentials on each device. MyID is technology independent and supports a wide range of credential stores across different platforms including iOS, Android and Windows. To do this, the MyID server works in combination with the MyID Identity Agent, an app that manages the secure delivery of credentials to mobile devices via a simple, easy-to-use interface.

How it works

Each mobile platform is different and has multiple places to store credentials. These range from software protected keystores through to hardware and firmware secure elements. The technology independent MyID identity and credential management solution can deliver credentials to multiple credential stores and provides lifecycle management capabilities.

At the heart of MyID is the server platform consisting of database, application server and web server. This can either be installed on-premise or deployed as a cloud service. The server platform provides a secure workflow engine to drive processes such as issuance, updating and revocation of credentials, as well as policy control (who can issue what to whom), audit (who issued what to whom) and lifecycle management (dealing with issues such as lost or locked devices).

The MyID Identity Agent runs as an app on the mobile device and acts as a bridge between the credentialing services provided by the MyID platform and the credentials stored on the device. It can write certificates and keys to smartphones and tablets over-the-air, meaning that users do not have to return to their desk or plug the device in to receive credentials and updates.

Combining the MyID server and MyID Identity Agent provides an end-to-end solution that can provision credentials to a wide range of credential stores, including the TPM, SIM/UICC, microSD, softstore, keychain and TEE, and effectively manage the lifecycle of those credentials.
With MyID, organisations can choose the level of security that they want to implement. Credentials can either be written to a device's keychain, so that unlocking the phone also provides native apps with access to credentials, or MyID can create an organisation-specific keychain, which requires PIN entry to enable credential use. This is ideal for organisations who need a higher level of security and allows third party apps, which cannot use the native keychain, to implement strong authentication. Intercede also provides the MyID Mobile SDK to help developers add credential use to their apps without needing to be security experts

Features and benefits

Key features:

- Replace insecure passwords with a solution that is more secure, convenient and easy to use
- Technology independent - solutions available for a wide range of mobile platforms and devices including iOS, Android and Windows
- Supports multiple levels of security, from the use of native softstores to hardware-backed secure elements
- Provides policy control, audit and lifecycle management of credentials
- Easily integrates with your existing infrastructure, e.g. MDMs, EMMs, directories and identity management solutions

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