PrimeKey® | **intercede** | **yubico**

Best practice lifecycle management and security for hardware-protected cryptographic keys

Together, PrimeKey EJBCA Enterprise, MyID, and the YubiKey provide secure authentication that's simple for organizations to deploy and easy for people to use in their day-to-day lives.

The threat of data breach for enterprises and governments continues to increase year on year[1]. 81% of data breaches are caused by weak or stolen passwords[2] and the average cost of a single breach is $4m[3]. Business disruption, reputational damage, and dramatic falls in productivity can all be caused by a single data breach. Strong methods of authentication exist, but often require flexibility to integrate with existing IT infrastructure, causing complexity and difficulty in operating such solutions. These security barriers can result in a poor user experience, and be prohibitive.

As a combined solution, PrimeKey's EJBCA Enterprise, Intercede's MyID, and Yubico's YubiKey jointly deliver hardware-backed, best practice multi-factor authentication (MFA) that safeguards the IT environments of governments and enterprises from hacking and data breach.

PrimeKey EJBCA is an open source based public key infrastructure (PKI) software that powers the unique cryptograph-

ic-protected identities which are issued to each individual's YubiKey. Intercede's MyID provides the software to issue PrimeKey EJBCA Enterprise certificates to YubiKeys and manage them over their lifecycle. Yubico's YubiKey is the multi-protocol hardware security key individuals simply plug into their device and touch to activate secure login.

Together, PrimeKey EJBCA Enterprise, MyID, and the YubiKey deliver PKI cryptographic protection that flexibly integrates with existing IT, and is simple to manage, easy to adopt, and user-friendly.

Allen Storey, Chief Product Officer, Intercede

With a united focus on making the digital world more secure, we're excited to partner with Prime-Key and Yubico. Together, our technologies deliver a proven, integrated solution for enterprises to manage seamless multi-factor authentication simply and at scale."

Tommaso De Orchi, Senior Director, Solutions & Product Management, Yubico

We've partnered with PrimeKey and Intercede to show our customers that PKI security doesn't have to be complicated. PrimeKey EJBCA Enterprise, MyID, and the YubiKey together simplify the management of hardware-backed keys to protect critical data and identities."

Secure

Based on robust open source PKI security, with hardware protection for cryptographic keys, organizations that adopt PrimeKey EJBCA Enterprise, MyID, and the YubiKey together protect their data integrity with the strongest form of MFA.

Proven solution

PrimeKey EJBCA Enterprise and MyID deliver a robust identity platform for large deployments of YubiKeys. Millions of people worldwide trust these companies and technologies to securely access the information they need using strong MFA.

Resources

1 IBMX-Force, Threat Intelligence Index, 2018
2 Verizon, Data Breach Investigations Report, 2018
3 Ponemon Institute, Cost of Data Breach Study, 2018

Easy deployment and lifecycle management

PrimeKey EJBCA Enterprise, MyID, and the YubiKey are built to leverage existing security infrastructure, and integrate seamlessly with a wide range of applications and services.

Combining EJBCA Enterprise's capacity to enable the management of several PKI hierarchies within the same deployment, MyID's interoperability across directories, identity management systems and mobile device management solutions, and the YubiKey's support for numerous authentication protocols and integration with systems and services, the joint solution effectively reduces the complexity of the deployment process.
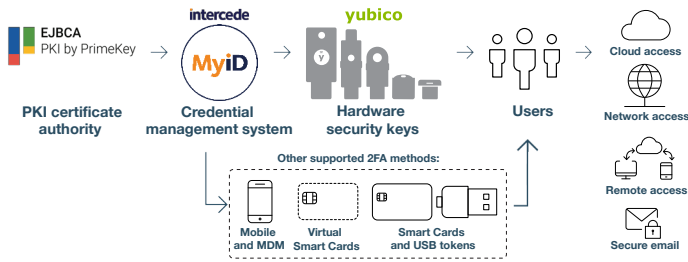
Key features and benefits

Strong security
Standards-based cryptographic protection using PKI and hardware-backed MFA to deliver best practice managed security that complies with the most rigorous standards, including US FIPS-201.

Practical deployment
A multi-purpose joint solution, PrimeKey EJBCA Enterprise, MyID, and the YubiKey together have the interoperability to be shaped around existing IT environments for simpler, more efficient deployment.

User-friendly
PrimeKey, Intercede and Yubico present a seamless user experience for end users to authenticate and IT teams to issue and manage user credentials.

Admir Abdurahmanovic, Vice President, Business Development, PrimeKey

Many large enterprises and governmental organizations opt to use PrimeKey, Intercede and Yubico as the best of breed suppliers, since they get seamless integration between our solutions. Moreover, I think our customers value that this integration uses standard protocols, as opposed to proprietary solutions that are in practice vendor lock-in mechanism."

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https://www.yubico.com/store

About Yubico Yubico sets new global standards for easy and secure access to computers, servers, and Internet accounts. Founded in 2007, Yubico is privately held with offices in Australia, Germany, Singapore, Sweden, UK, and USA. Learn why nine of the top 10 internet brands and millions of users in more than 160 countries use our technology at **www.yubico.com.**

About PrimeKey PrimeKey is one of the world's leading companies for PKI and digital signing solutions. PrimeKey has offices in Sweden, USA, and Germany, and PrimeKey's products are used in industries where IT security and integrity is a priority. PrimeKey customers include companies and institutions within IT, Telecom, Banking, Industrial, Public CAs, and branches of Government: **www.primekey.com**

About Intercede Intercede has a 25-year track record of delivering credential management solutions to governments, military, healthcare, and major commercial organizations worldwide. MyID manages over 15 million identities, providing a single point for the issuance and management of digital identities across platforms including smart cards, mobile, USB tokens, virtual smart cards, and IoT: **wwww.intercede.com**