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IDnomic PKI Intune Connector

Seamless deployment of digital identities for Microsoft-centric infrastructures

Today's working and business environments rely on equipment such as smartphones, tablets, PCs. Their integration in company's IT infrastructure is a must, amplified by trends such as BYOD (Bring Your Own Device) which complexifies deployment schemes and increases need for security. Moreover, mobile applications need specific processes for critical data management.
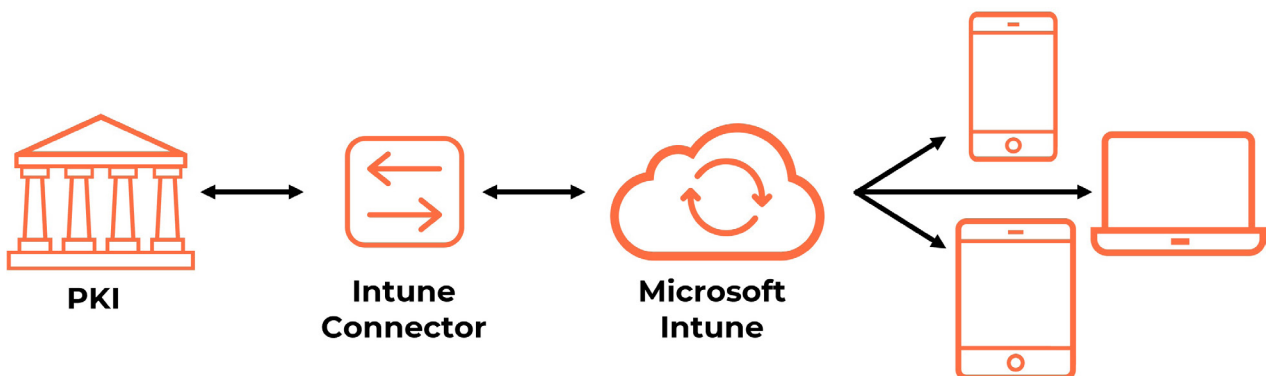
Microsoft Intune is a cloud-based service that manages devices and applications, ensuring security and compliance. It supports BYOD, enabling remote management, app protection, and seamless integration with Microsoft 365 and Azure.

The Intune connector combined with one of our IDnomic PKI solutions (ID PKI or OT PKI) enables digital certificates to be integrated into mobile devices and computers managed by Microsoft Intune. These certificates can be used for authentication, email signing and email encryption.

The integration of an Intune connector with IDnomic PKIs enables organizations to securely manage certificates on mobile and desktop devices, reinforcing the security of access to resources and communications. This facilitates enterprise device management while maintaining high security standards.

IDnomic Intune Connector allows implementing a wide range of use cases, and in particular most common ones such as:

- **Wi-Fi authentication**: Deployment of certificates for secure authentication via the 802.1X protocol.
- **VPN:** Distribution of certificates for secure authentication to VPN servers.
- **S/MIME for e-mail**: Provision of certificates to sign and encrypt e-mails via S/MIME.
- **Access to corporate applications**: Integrate certificates to access internal resources, such as intranets or secure applications.
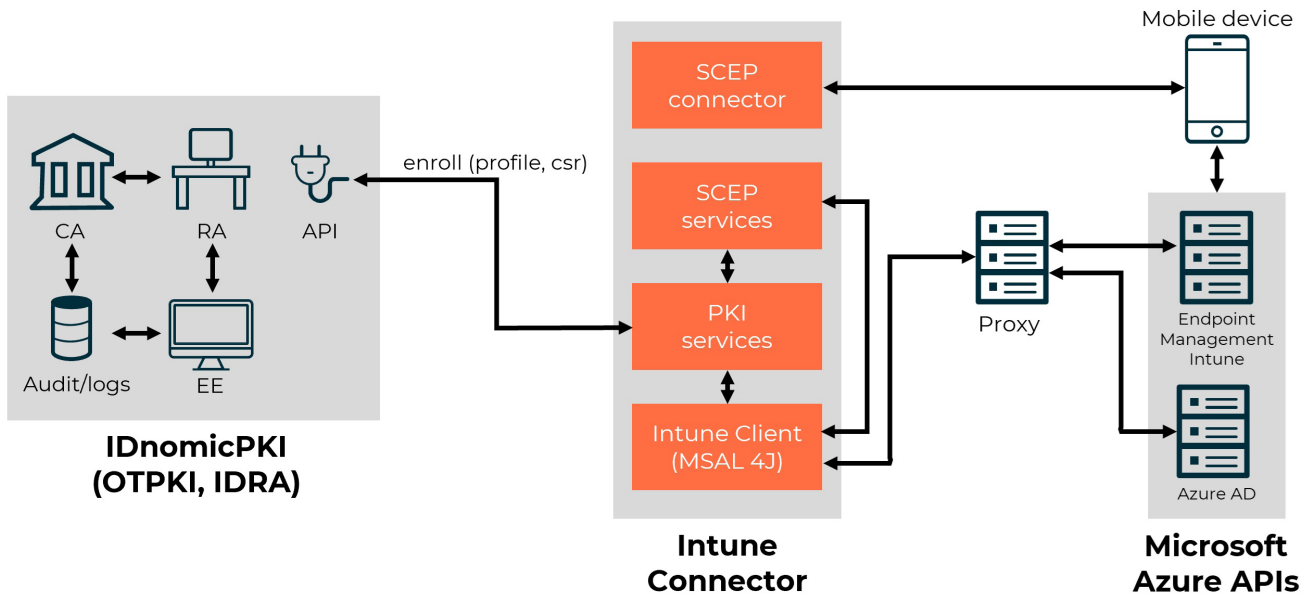
IDnomic PKI Intune Connector - scheme

PKI   **Intune Connector**   **Microsoft Intune**

The Intune Connector enables issuance of digital certificates by connecting IDnomic PKI with the Microsoft device ecosystem.

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PKI Intune Connector – The solution

The IDnomic Intune Connector retrieves digital certificates generated by a PKI and propagates them to the respective devices. The key building blocks are the following:

- **PKI server**: The PKI issues certificates for users and devices
- **Intune Connector**: This is a software component that links Intune to the PKI to obtain, renew, revoke or distribute certificates on enrolled devices. This connector must be installed on a server in the corporate network.
- **Microsoft Intune**: Among other things, Intune manages device enrolment, the application of security policies, and certificate distribution via configuration profiles.
- **SCEP**: The Intune connector uses the SCEP protocol to issue certificates.

Supported options

Device enrolment
When a device is enrolled in Intune, it can be configured to receive digital certificates from a PKI server to ensure secure communications and authentication processes

Certificate distribution
The device interacts with the Intune connector to deploy certificates via configuration profiles. Within the certificate distribution process, the connector acts as an intermediary between the devices and Intune. It transmits and redirects information.

Authentication & authorization
Digital certificates can be used for authentication to secure networks (Wi-Fi, VPN), applications or internal services.

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Customer benefits

- Native compatibility with IDnomic PKI, enabling rationalization of infrastructure costs. The Intune Connector allows an organization to benefit from IDnomic PKI's flexibility and performance without limitations to its device infrastructure.
- Transparent certificate renewal, with no impact on end-users. Manage credential's lifecycle in seamless way, hiding all complexity of certificate issuance and renewal by automated, flexible workflows.
- Increase productivity by reducing costly support processes of manual certificate issuance for specific devices.
- Guarantee security and access control for all devices connected to a company IT infrastructure by using certificates for authentication and encryption, deployed through IDnomic Intune Connector.

Standards and technical specifications

Protocols
» SCEP

Servers
» Redhat Enterprise Linux 6/7/8 (x86_64)
» Rocky Linux 8 (x86_64)
» SLES 11/12/15 (x86_64)

Devices
» Microsoft Windows 10
» Android 11
» iOS 15

PKI
» IDnomic PKI
» OpenTrust PKI

More information: www.cryptovision.com

Social Media

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