cryptovision Ygraine

Easy personalization for cryptovision ePasslet Suite eID documents

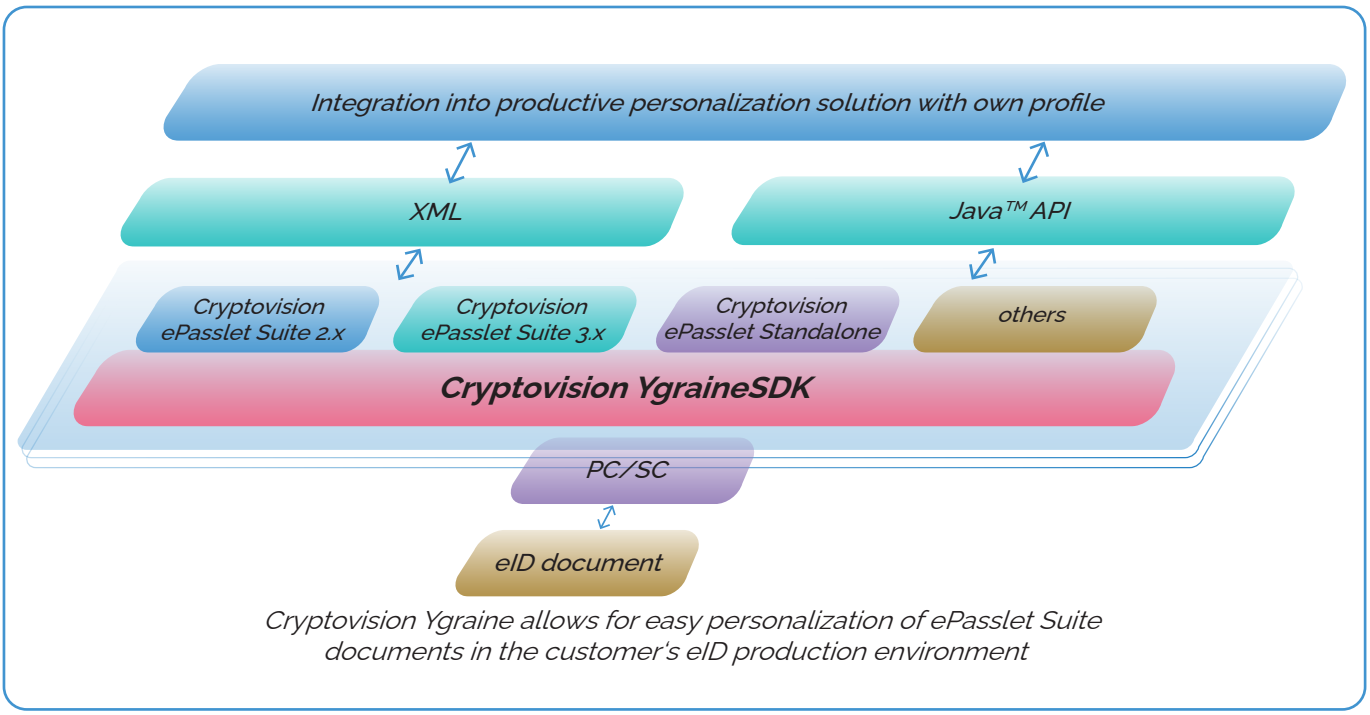
Cryptovision Ygraine is a Java™-based SDK for personalization of cryptovision ePasslet Suite cards and documents. Data encoding and profile configuration are based on XML and can easily be customized. All relevant standards are supported.

Cryptovision Ygraine is a software development kit (SDK) for personalizing smart cards and identity documents that run cryptovision ePasslet Suite applets. Cryptovision Ygraine is implemented in Java™ and is hence portable to almost any platform. It encodes personalization data according to applicable standards such as ICAO Doc 93903 for MRTDs or ISO 18013 for electronic Driving Licenses.

Cryptovision Ygraine is a powerful tool for personalization agents and system integrators. It facilitates the development and the adaptation of a personalization solution as well as its integration into the operator's environment.

Cryptovision Ygraine's personalization engine translates a high level description of the eID card configuration and personalization data encoding into a sequence of corresponding APDU commands to generate this configuration on a cryptovision ePasslet Suite document and populate it with the provided data. This high level description uses a human-readable XML encoding that can be adapted to a customer's needs without programming expertise.

Architecture



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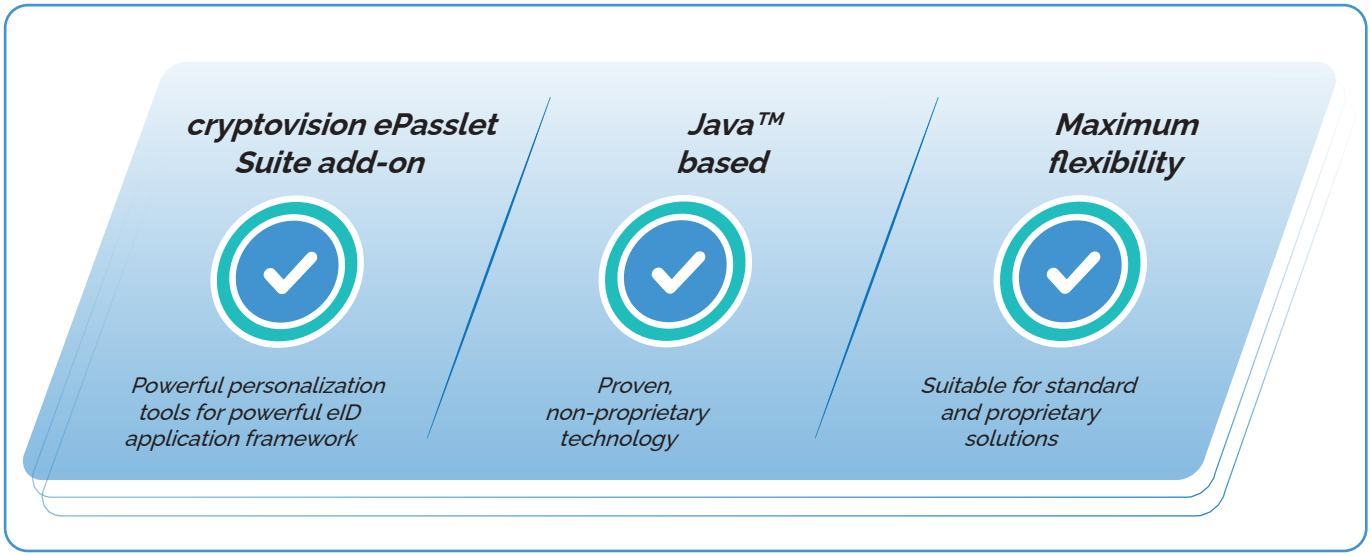


Customers

Ecuador has started to issue eID cards and electronic passports to its 17 million inhabitants. Atos is a major technology supplier in this project. Especially, Atos delivered card applications based on the cryptovision ePasslet Suite, as well as a public-key infrastructure (PKI) for all users. In addition, the state of Ecuador uses cryptovision Ygraine for personalizing both the eID cards and the passports.

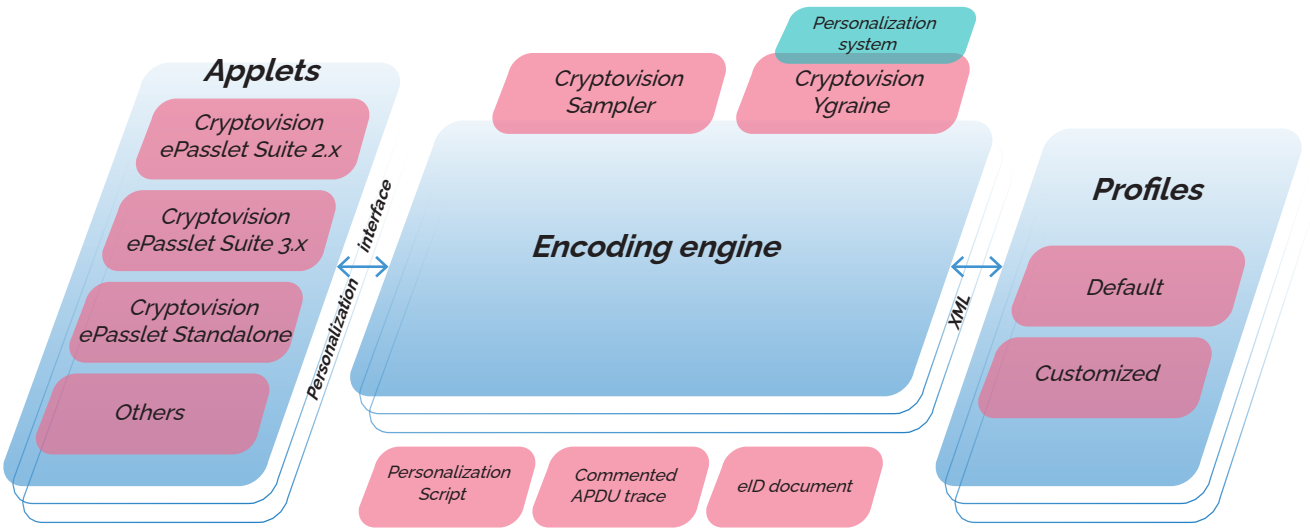
Other cryptovision Ygraine customers include Veridos Mexico, Secunet, BSI, and JustID.

Requirements

Cryptovision Ygraine requires Java™ to run. Java™ is available on almost every major operaing system. The oldest Java version supported by cryptovision Ygraine is Java 8 (1.8.x).

Cryptovision sampler

Sampler is a GUI-based frontend for cryptovision Ygraine's encoding engine. It provides the cryptovision Ygraine functionality for manual personalization of sample documents, deploying the same XML encoding. This makes Sampler an ideal tool for rapid prototyping and validation of a custom eID card configuration. The test configuration created with Sampler can be transferred to productive use.



Cryptovision Sampler is a cryptovision Ygraine front-end for sample eID cards.

About Atos

Atos is a global leader in digital transformation with 109,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea), listed on Euronext Paris and included in the CAC 40 ESG and Next 20 Paris Stock indexes.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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Let's start a discussion together

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