



e-Documents

YOU ARE A PUBLIC ADMINISTRATION

What is the building block about?

The e-Document building block provides solutions to handle electronic documents in a way that ensures cross-border interoperability and data security and integrity. It also provides best practices and guidelines for creating new document formats and for document processing.

Why should I use it?

Based on experience from the previous LSP projects, the e-Document has been designed and implemented in line with European and national public administration requirements:

- cross-border interoperability;
- re-use, extend and profile an existing e-Document solution or format to new requirements;
- easy integration of the e-Document into existing IT infrastructure due to its service-oriented architecture and loose-coupling with other IT components;
- special considerations for data security and integrity;
- in line with the European interoperability programs (ISA).

How can I use it?

- Semantically structure the documents using semantic components such as metadata and annotations;
- Electronically sign documents using detached qualified advanced signatures with support for XAdES and CAdES;
- Use ASiC container format to group several documents into one logical unit;
- Use the e-Document container's journaling component to log document workflow events which can support audit trailing;
- Use the e-Document envelope component to route the document across an e-Delivery network;
- Archive electronic documents;
- Use trusted timestamping to protect against non-repudiation;
- Use both document-level encryption and data-level encryption to secure the information.

What kind of help can I get?

e-SENS provides and maintains architectural documents, technical specifications and implementation guidelines. It can also provide example software or services and advice from available cluster experts.



e-Documents

YOU ARE A SERVICE PROVIDER

What is the building block about?

The e-Document building block supports the implementation of business services that cover the whole document lifecycle including creation, maintenance, audit trailing, archiving and business rules processing.

Why should I use it?

- The e-Document architecture is service-oriented, allowing easy integration into the SP's business service package;
- There is high market potential for e-Documents due to the increasing importance of electronic documents in public administration activities;
- The e-Document services can be easily extended and profiled to specific use cases and domains of activity.

How can I use it?

- Service for creating e-documents and e-containers specific to a business activity including support for semantics and annotations;
- Service for automatic processing of e-documents using schematron and business rules;
- Service for attaching and validation of advanced electronic signatures and trusted timestamp;
- Service for creating the routing information needed by an e-Delivery network to route and deliver the document;
- Service for document- and data-level encryption.

What kind of help can I get?

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e-Documents

YOU ARE A SOFTWARE COMPANY OR A SOFTWARE DEVELOPER

What is the building block about?

The e-Document building block provides a reference architecture that can be used to extend, profile or customize the existing solutions for managing e-documents with special focus on re-usability, interoperability and data security.

Why should I use it?

- Save time on design and implementation: the e-Document has been designed and implemented based on consolidated requirements and on experience from the previous LSP projects, representing thousands of hours of work;
- The e-Document solution is in line with EU and national legislation requirements regarding interoperability and data security and privacy;
- The e-Document solution is licensed as free and open source software (EUPL);
- It is easy to adapt and extend existing application components.

How can I use it?

- Develop tools to support the creation of e-documents and e-containers specific to a business activity including semantic tools for the document metadata and data-level annotations;
- Develop business rules engines which support document processing based on schematron or business rules;
- Develop tools for electronic signatures and trusted timestamps.

What kind of help can I get?

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