

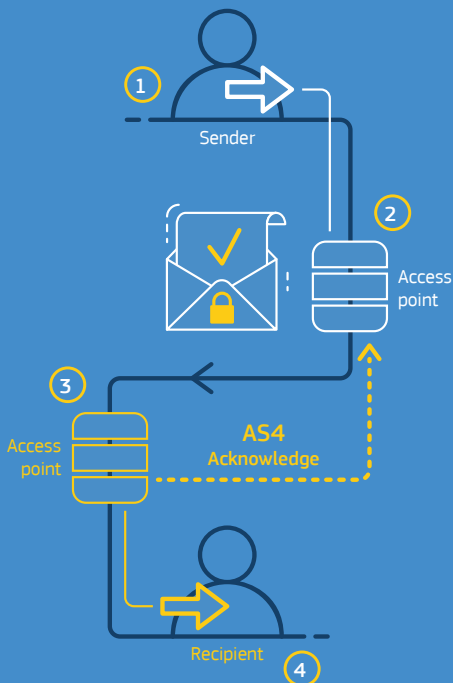
eDelivery

Connecting Europe

The Connecting Europe Facility (CEF) eDelivery building block proposes the use of the AS4 messaging protocol to create a secure channel for the transmission of documents and data by electronic means, over the internet or via a private network. AS4 both provides evidence relating to the handling of the transmitted data as well as protecting it against the risk of loss, theft, damage or any unauthorised alterations.

Projects use eDelivery to exchange documents and data in a secure way among many participants (within Europe and beyond).

To achieve this, the participants have to connect to an AS4 Access Point. Each one of these Access Points becomes an independent node within a distributed messaging infrastructure. Each of these infrastructures can accommodate thousands of nodes, in other words, they are easily scalable. Furthermore, the use of a common protocol enables interoperability across different types of business applications as they simply need to connect to the AS4 Access Point to start exchanging data with the other participants of the project.



- 1 Submit: sends message**
- 2 Send: processing step 1**
 - a. Validation and compression of the user message;
 - b. Signing of the compressed message;
 - c. Encryption of the signed compressed message.
- 3 Send: processing step 2**
 - a. Receives and decrypts the encrypted message;
 - b. Verifies the sender's signature;
 - c. Decompresses the decrypted message;
 - d. Validates the original user message;
 - e. Sends the acknowledgement to the sender Access Point;
 - f. Archives the user message.
- 4 Deliver: receives message**

Who can use eDelivery?

Policy Domain Owners

Policy domain owners involved in the roll out of EU or national policies that require the secure exchange of documents and data are the main target of the services of eDelivery building block. By adopting eDelivery, these actors make sure that public administrations can exchange any type of data and documents across borders.

Software and Service Providers

The eDelivery building block is also appealing for service and software vendors in the eDelivery domain. These actors can benefit from the CEF eDelivery services when upgrading their solutions to become conformant with the technical specifications.

Get started with help from CEF

The European Commission makes a number of services available to the public and private sector at no cost. For example:

- **Self assessment**, a survey that assesses the requirements of the users interested in re-using the CEF eDelivery components;
- **Open source sample software** of an AS4 Access Point, known as Domibus (other commercial and open source products are also available);
- **Training sessions** on AS4 **and deployment** of its sample Access Point (Domibus);
- **Connectivity testing** to test if a newly installed Access Point can successfully communicate with the AS4 Access Point hosted by the European Commission;
- **Conformance testing** to ensure that AS4 solutions to be offered in the market, as software or as a service, comply with the AS4 implementation guidelines of CEF;
- **Service Desk** providing user support on the overall CEF eDelivery service offering.

6 benefits of eDelivery

- 1 Vendor-neutral i.e. the specifications are not proprietary and controlled by one vendor
- 2 Multi-vendor i.e. multiple products and solutions are available from different vendors
- 3 Aligned to the Electronic Registered Delivery Service of eIDAS i.e. it enables trust
- 4 Reliable i.e. recovers automatically if transmission is unsuccessful due to temporary disruption
- 5 Domain-independent i.e. it can be used in every policy domain of the EU
- 6 Scalable i.e. it has no inherent limits on number of participants or messages

Find out more:

ec.europa.eu/cefdigital/eDelivery