



Guideline for the technical installation of e-CODEX

In this file, you will find information about the technical conditions for the installation of e-CODEX.

Configuration Management Tool (CMT)

The CMT is an online tool to manage the collection of participant data and distribution of e-CODEX configuration files.

e-CODEX configuration files are:

- PModes or Processing Modes. The way ebXML messages are sent and processed between two Gateways is defined using PMode files. Those files contain configuration information on how the communication is set up in sense of use-case, involved parties, their technical communication parameters and their roles, security, business processes and reliability. The definition of PModes is also part of the AS-4 profile of the ebMS 3.0 standard.
- Truststores holding certificates of participants within a business use-case on different level. There are truststores for transportation security, messages security, but also signature validation.
- A security context file defining the level of message security on gateway level.

To be able to generate those configuration files, it is necessary, that each participant uploads its data to the CMT. With an administrative account a participant provides its connection data, uploads the different certificates and may trigger the CfC (Coordinator for Configuration) to generate a new set of configuration files once the data is complete.

In addition to that, the CMT offers features to support participants in maintaining their data. Those are for example:

- Recognition e-mail when a new set of configuration files are available.
- E-mail when a new set of configuration reaches production level.
- Trigger when certificates are about to expire.
- Validation of certificates when uploading.

What information do I have to provide to configuration management to let other e-CODEX participants know how to communicate with me?

Party ID	A unique party ID for the Gateway
Endpoint URL	The URL to the Message Service Handler (MSH) Webservice of the Domibus Gateway
IP Range	IP Address Range for incoming and outgoing communication with/to the Domibus Gateway
Port	Port for incoming and outgoing communication with/to the Domibus Gateway
Supported services	A list of the supported e-Justice services
Gateway Certificate	The Gateway certificate containing the complete certificate chain (CA-Certificates) in X.509 format
SSL Server Certificate	The SSL Server certificate containing the complete certificate chain (CA-Certificates) in X.509 format
SSL Client Certificate	The SSL Client certificate containing the complete certificate chain (CA-Certificates) in X.509 format
Connector Certificate	The Connector certificate containing the complete certificate chain (CA-Certificates) in X.509 format

The data listed above will be incorporated into a file called "configuration.prop". The file will look like this:

```
#*****
#EXAMPLE STRUCTURE FOR CONFIGURATION EXCHANGE
#*****
# Country Code for your Country. Example EE for Estonia.
partyId = country_code
# Use Cases(Services) you wish to participate. Example EPO, MLA, SMALL_CLAIMS
services = service
# Endpoint address for your GW webservice
endpoint.uri = endpoint_uri
#Port for endpoint
port = port
# Endpoint IP address used for the message outflow FROM this party. (Multiple IPs or IP range)
endpoint.outflow.ip = endpoint_outflow_ip
# Endpoint IP address used for the message inflow TO this party. (Multiple IPs or IP range)
endpoint.inflow.ip = endpoint_inflow_ip
```

More information regarding the configuration management can be found here:

[Configuration Management Tool](#)

Which legal/organisational tasks have to be done before going live?

You have defined a list of use cases which will be supported. This list has to be announced to eu-LISA by filling out the appropriate forms in the OPM (Operator Manual) before going live.

Appoint a national contact point. This is a person who is responsible and the first contact for any questions, requests or support. The appointment has to be announced to eu-LISA by filling out the appropriate forms in the OPM (Operator Manual) before going live.