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Ministère de la Digitalisation

NIF: IOP Product Catalogue of the Sectoral Interoperability Committee for Central Government

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IOP products of the **"Service"** type

📦 FME - Server of the ACT

📦 LegiEurope

📦 Traités (Treaties)

📦 LegiTP

📦 Prometa Smart ProcessGen

📦 My RH - ToolboxRH

📦 DataRH Qliksense

IOP products of the **"Service"** type

Gitlab

JIRA

Business Intelligence (BI)

GovCloud Solutions (IaaS & STaaS)

Electronic document management (EDM)

MS SharePoint govSpace collaboration space

MS SharePoint Intranet

IOP products of the **"Service"** type

Web Content Management System (WCMS)

MS Exchange e-mail

Skype for business

IAM (Identity and Access Management)

TAM (Tivoli Access Manager)

Individual remote access (VPN)

CIOTX (secure file transfer)

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IOP products of the **"Service"** type

📦 CIURL (URL shortener)

📦 CIVOT (organisation of meetings and surveys)

📦 CIBOR (registration of classified documents)

📦 Plateforme de signature eSign

Product: FME - Server of the ACT

Description:
The ACT (Land Registry and Topography Administration) has a centralised infrastructure of the FME Server solution from the company SAFE Software.
It is a tool for automating data format and data model transformations and allows the implementation of dedicated web services, with or without a geographic component.

Type of product: Service

Responsible OSP: Land Registry and Topography Administration

CSI(s) concerned: Government CSI

Rationale:
It is a reusable product made available by the ACT to entities within the central government which need to exchange data. It is one of the most powerful data format and data model transformation tools on the market.

Links: https://www.safe.com/fme/fme-server

Product: | LegiEurope

Description:

The "LegiEurope" application, developed by the Central legislative service (SCL) for the Ministry of Foreign Affairs (MAE) and all the other ministries, is based on the same architecture as the "legilux.public.lu" portal. It contains information about the transposition of European directives, from draft directives to the Court of Justice of the European Union.

This application facilitates the management and follow-up of the work of transposing European directives into national law, as well as the production of related reports and statistics for the Ministries.

The "LegiEurope" application is closely interconnected with the "Casemates" legislative database, and in particular also with the "LegiPro" Projects in procedure application and the controlled vocabulary.

Type of product: | Service

Responsible OSP: | Central legislative service (SCL)

CSI(s) concerned: | Government CSI

Rationale:

Before the launch of "LegiEurope", the MAE had a FileMaker application and XLSs. The other ministries individually prepared their own tables showing the transposition of EU directives.

With the introduction of "LegiEurope", the government has a centralised IT tool for managing the transposition of directives. The MAE can inform the ministries as soon as "draft EU directives" are published. They can thus follow up EU drafts from the draft directive to possible referral to the Court of Justice of the European Union.

Links:

https://directives.intranet.etat.lu

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Product: Traités (Treaties)

Description:

The "Traités" (Treaties) application is an application developed by the SCL on behalf of the MAE. It contains information about bilateral and multilateral treaties in force for or signed by Luxembourg. The management of the "treaty data sheets" was previously done by the MAE, either on paper or in an Excel file.
This application facilitates the management and monitoring of treaties, as well as the production of related reports and statistics. Treaty data sheets can be prepared instantly, making it much easier to prepare visits by Luxembourg Ministers abroad. Export to "Casemates" and Legilux will enable external users to follow the information on treaties in a new "Treaties" section (during/at the end of 2021). Interconnection with "LegiPro" will ensure even more efficient monitoring of treaties introduced into the legislative procedure.

Type of product: Service

Responsible OSP: Central legislative service (SCL)

CSI(s) concerned: Government CSI

Rationale:

Establishment of a centralised information tool for all ministries.

Facilitating access to information, generating reports or updating signed treaties.
Export to "Casemates" and Legilux of a "subset" of information.
Better visualisation of the status of treaties and their evolution.

Links: https://traites-mae.intranet.etat.lu

Product: LegiTP

Description:

The objective of LegiTp is to support government activities in the field of parliamentary work. The "parliamentary questions" module of LegiTp is positioned at the centre of the interactions between the three actors involved in the parliamentary questions process, namely: the Chamber of Deputies, the Central Legislation Service and the ministries, and makes the following possible:

- Ensuring and automating the application of the parliamentary questions procedure and facilitating actions and interactions
- Registering and transmitting questions
- Preparing, registering, checking and transmitting answers
- Request for extension
- Changes of responsibility
- Reminder process
- Formalism of communications with the Chamber of Deputies and Ministries, use of controlled vocabulary
- Updating questions in case of a change of Government
- Facilitating and optimising the work of Ministries around a question so as to provide a common answer (collaborative publication), validated by all
- Strengthening the respective roles of the different actors in the parliamentary questions process, in particular of the Ministry designated as the coordinator of the question
- Build a knowledge base of parliamentary questions and answers that is easily searchable
- Monitoring the parliamentary questions response process so as to facilitate its day-to-day management and extract instant statistics

Type of product: Service

Responsible OSP: Central legislative service (SCL)

CSI(s) concerned: Government CSI

Rationale:

The number of parliamentary questions has considerably increased in recent years with over 2,100 PQs in the 2020-2021 parliamentary session.

Implementation of a collaborative response tool to facilitate and optimise the work of the ministries and the SCL.

Links:

TEST version https://legitp-tst.intranet.etat.lu
In production November 2021

Product: Prometa Smart ProcessGen

Description: The Prometa Smart ProcessGen platform is a library of generic State processes. These processes represent the elementary steps to be carried out for the processing in question. These processes can be used as a basis for internal processes which can be adapted to the context of each ministry or administration.

Type of product: Service

Responsible OSP: State Centre for Human Resources and Organisation Management (CGPO)

CSI(s) concerned: Government CSI

Rationale: The Prometa Smart ProcessGen shared service is the platform which is freely accessible and reusable on demand by central government OSPs.

Links: Reusable on demand via the e-mail address prometa@cgpo.etat.lu

Product: My RH - ToolboxRH

Description:

The ToolboxRH is a multi-tasking platform enabling HR actors in ministries and administrations to make requests, declarations or interactions with the teams of managers and consultants of the State Centre for Human Resources and Organisation Management (Centre de gestion du personnel et de l'organisation de l'État – CGPO).

The ToolBoxRH is accessible via the MyRH portal in the GRH space. It consists of a series of 55 promet'apps for orchestrating the HR activities of State entities.

Type of product: Service

Responsible OSP: State Centre for Human Resources and Organisation Management (CGPO)

CSI(s) concerned: Government CSI

Rationale:

It is a product that can be reused by anyone in an HR function within a central government OPS.

Links:

On request at support.myrh@cgpo.etat.lu

Product: DataRH Qliksense

Description:
The DataRH platform is the State's HR data reporting and monitoring platform. The platform displays to human resources managers of ministries and administrations all the HR data of their entities through dashboards and analysis displays.
The platform is integrated with the BI QlikSense tool.

Type of product: Service

Responsible OSP: State Centre for Human Resources and Organisation Management (CGPO)

CSI(s) concerned: Government CSI

Rationale:
It is a product that can be reused by anyone in an HR function within a central government public-sector body.

Links:
On request from human resources managers in State entities (ministries and administrations) at datarh@cgpo.etat.lu

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Product: GitLab

Description:

The GitLab platform is a Git source code repository management and collaboration tool for developers. Repositories can be created and configured freely by users, or by project managers who can also request the creation of a collaboration group for which they themselves have the right to manage members and permissions.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

This is the central shared and reusable service, provided by the CTIE, allowing public-sector bodies to manage Git repositories and collaboration for developers. This tool is considered an IOP tool because of its reusability and shared nature.

Links:

- https://gitlab.ctie.etat.lu
- https://asksam.intranet.etat.lu/ctiesp?id=kb_article&sys_id=5f62bf68b03558101a5fe8f1cf4b99e3#

Product: JIRA

Description:

The Jira platform is a tool for managing and monitoring projects under development, managing incidents and monitoring problems during development. Jira users can request the creation of different types of projects for which they can create and close tickets, as well as manage project members.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The Jira central shared service is the reusable platform, provided by the CTIE, allowing public-sector bodies to manage projects, manage incidents and monitor problems during development. This tool is considered an IOP tool because of its reusability and shared nature.

Links: https://jira.intranet.etat.lu

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Product: Business Intelligence (BI)

Description:

The Business Intelligence (BI) platform aims to optimise the sharing and exchange of information within/among/with bodies and citizens and to transform raw data into secure BI applications in order to help users take better-informed decisions faster on their own, by using accurate reports, ad hoc query capabilities and interactive dashboards.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The BI platform is a central, shared and reusable service, provided by the CTIE, for the exchange of information within and between central government public-sector bodies and between these bodies and citizens with the aim of transforming raw data into interactive dashboards or reports for data-driven decision making.

Links:

Product: GovCloud Solutions (IaaS & STaaS)

Description:

Made available by the CTIE in its computing centres:

1. on the one hand, virtual servers managed by State administrations and ministries (IaaS: Infrastructure as a Service). Through a self-service portal, administrations can create and use virtual machines through predefined templates with the possibility of using backup functionalities.
2. on the other hand, file-based storage spaces for servers (STaaS: Storage as a Service). These storage spaces are hosted by a networked storage solution installed in the CTIE datacentres.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

Govcloud solutions are interoperable and reusable solutions made available to OSPs to enable them to store files or backups in the cloud.

Links:

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Product: Electronic document management (EDM)

Description:

EDM is an IT system which aims to reduce paper flows in administrations and storage space as well as to optimise the search, management and sharing of information. This EDM covers a wide range of services.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

EDM is a central shared service, hosted and maintained by the CTIE, which can be (re)used by all public-sector bodies and users in central government.

Links:

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Product: MS SharePoint govSpace collaboration space

Description: Users have access to a collaborative space called govSpace, which they can manage in self-service mode. The platform is accessible to all users in State ministries and administrations. Access for external collaborators is also possible. The owner of the space can adapt the appearance of his or her space and freely invite collaborators to share and collaborate on all types of content, including Word, Excel and Powerpoint documents. The collaborative workspace allows work and information to be structured around a project, commission or committee.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale: The govSpace collaborative space is the shared service provided by the CTIE to cover collaboration needs and is reusable by any central government public-sector body.

Links: https://www.msp.etat.lu
https://govspace.msp.etat.lu

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Product: MS SharePoint Intranet

Description:

Based on MS SharePoint, an Intranet is offered which enables the internal communication and collaboration of a State body to be improved and can be organised around 3 components:
• information component: publication of news, links to other sites or apps, calendars, directories, etc.
• collaborative aspect: document sharing with access rights management, monitoring & approval procedures
• interactive component: blog, forum, wiki, etc.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The Intranet based on MS SharePoint is the shared reference solution offered by the CTIE in order to set up an Intranet and is reusable by any central government public-sector body.

Links: https://www.msp.etat.lu

Product: Web Content Management System (WCMS)

Description: WCMS is an editorial system for publishing portals and websites by separating web content from layout elements and offering web editors the possibility to easily update the content of their portal or website. It is a robust, secure and highly redundant platform.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale: WCMS is the reusable shared editorial system, hosted by the CTIE, to be used by all central government public-sector bodies for the creation, publication and updating of their Internet presences (portals, websites, ...).

Links:

Product: MS Exchange e-mail

Description:

This is the email platform used throughout the State network. This service includes :
• an Outlook Desktop client incorporating: email; address books (personal and business); task management; personal and business calendars
• a mailbox in the etat.lu domain of the administration (50 GB)
• an anti-virus and anti-spam service
• access to a web-based user interface on the Internet
• access via smartphone
• regular back-up protection of user data.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The MS Exchange e-mail platform is the reusable shared platform for exchanging e-mail messages and using other related services.

Links:

Product: Skype for business

Description:

Skype for Business is an application which can be integrated at any user who has an IAM account. It allows screen sharing and sharing of availability status with other users. Skype for Business allows you to communicate with other people using instant messaging ("CHAT"), audio conferencing and/or video conferencing.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The shared service "Skype for Business" is the reference communication tool made available to State officials. Its reusability and shared nature make it an IOP product.

Links:

Product: IAM (Identity and Access Management)

Description:
Identity, access rights and permission management (abbreviated to IAM – Identity and Access Management) allows users to log in to internal State resources and applications using a single username and password. IAM thus synchronises identities and provides access to the State's IT networks and various administrative applications.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:
The IAM platform is the central, shared and reusable service responsible for identifying and managing access rights and thus enabling State officials to connect to internal applications of the State.

Links: https://iam.cie.etat.lu

Product: TAM (Tivoli Access Manager)

Description:

This is an architecture for secure access to external applications using various authentication methods. This architecture also provides self-registration and strong authentication functionalities.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The TAM platform is the central shared and reusable service responsible for the authentication methods offered for access to external State applications.

Links:

Product: Individual remote access (VPN)

Description:

VPN (Virtual Private Network) access is the essential tool for accessing the State's resources from outside via an SSL client and through strong LuxTrust or RCDevs authentication when an official is teleworking.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The VPN access provided by the CTIE is the reusable shared service that allows access to the network and internal resources of the State from outside.

Links:

https://vpn.etat.lu

Product: CIOTX (secure file transfer)

Description:
The CIOTX application allows a user to initiate an electronic file exchange with third parties. Notification of a file dispatch or file request is sent by e-mail. The transfer of electronic files is done through a web application.
The service allows sending files to a list of recipients, sending a request for transmission of electronic files, controlling the expiry of transfers, tracing operations and using functional accounts based on the access rights of the CTIE e-mail service.
CIOTX is divided into a standard exchange service and a secure exchange service. An API is also available.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale: It is a shared service that can be reused by any user of a central government public-sector body.

Links: https://otx.intranet.etat.lu

Product: CIURL (URL shortener)

Description:

The CIURL application offers a service for shortening and translating a long URL to a very short URL in the "gd.lu" domain. The service enables:
• the shortening of a long URL
• the translation of a URL into a QR code
• the destination URL to be changed
• the number of visits to the short URL to be tracked.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale:

The "shortlink" creation platform is the central service shared and reusable by all public-sector bodies to shorten web links. It uses an API.

Links: https://url.intranet.etat.lu/home/index.php

Product: CIVOT (organisation of meetings and surveys)

Description:

The CIVOT application allows a user to easily set up a meeting and conduct surveys as well as review the result after the deadline has been reached. Survey notifications are sent to participants by e-mail.
The service allows:
• easy organisation of meetings between several participants
• conducting single-choice or multiple-choice surveys
• graphical visualisation of results
• the use of functional accounts based on the access rights of the CTIE email system.

Type of product: Service

Responsible OSP: Government IT Centre (CTIE)

CSI(s) concerned: Government CSI

Rationale: CIVOT is a shared service, reusable by all users of central government public-sector bodies.

Links: https://vote.intranet.etat.lu

Product: CIBOR (registration of classified documents)

Description:

In the context of the Law of 15 June 2004 on the classification of documents and security clearances, the various ministries and administrations holding classified information must set up a registry office for the registration of classified documents.
CIBOR is an application which allows the registry offices to manage the registration of the metadata of these documents. The application enables this information to be managed centrally under the supervision of the Central Registry Office, an official mission of the CTIE.

Type of product:

Service

Responsible OSP:

Government IT Centre (CTIE)

CSI(s) concerned:

Government CSI

Rationale:

CIBOR is the shared service, provided by the CTIE, which can be used by all central government public-sector bodies involved in the registration of classified documents.

Links:

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Product: eSign signature platform

Description:
eSign is the digital version of the classic signature pad. It works in a similar way.
1. A user (e.g. a secretary) prepares the electronic documents to be signed.
2. The user stamps the documents electronically and then prepares a folder in eSign containing the documents to be signed. He/she may attach information documents.
3. The file is passed on for signature to another user (e.g. the manager) at the click of a button.
4. The recipient of the file is notified by email. They open their file, consult the documents and then sign it electronically.

Type of product: Service

OSP responsable : CTIE

CSI(s) concerned: Government CSI

Rationale:
It is an electronic signature tool for documents available for the whole State and has many use cases no matter the administration.

Can be interfaced with other applications by means of a REST API made available.

Links:
https://asksam.intranet.etat.lu/sys_attachment.do?sys_id=74c8c898816045101a5f07bc61c1af09
https://esign.intranet.etat.lu/

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IOP products of the **"Specification"** type

Quapital project management methodology

Microsoft R Open

Standards for the exchange of data produced by official surveyors

REST guidelines

Vue J.S.

Product: Quapital project management methodology

Description:

The general objective of the Quapital reference framework is to define the way in which projects are carried out within the Luxembourg State and thus to provide a reference framework for project management.

It provides those involved, grouped together in a reference system called Quapital, with
- a common vocabulary
- ready-to-use document templates
- a common working approach.

Type of product: Specification

Responsible OSP: State Centre for Human Resources and Organisation Management (CGPO)

CSI(s) concerned: Government CSI

Rationale:

This is the methodology that can be reused by all central government managers and public-sector bodies responsible for (non-IT) projects.

Links:

https://fonction-publique.public.lu/content/dam/fonction_publique/fr/documentation/fonctionpublique/FP2025-Le-referentiel-de-gestion-de-projets-Quapital.pdf

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Product: Microsoft R Open

Description:

R is an open source programming language used in statistics, data science and machine learning.
R includes many packages (more than 10,000 at present) which allow a lot of different tasks to be performed, such as:
- data cleansing
- data analysis via statistical models
- data science and machine learning
- the creation of dashboards.

Type of product: Specification

Responsible OSP: /

CSI(s) concerned: Government CSI

Rationale:

The aim is to offer to State officials a programming language corresponding to the interoperability criteria in order to
- enable the relevant experts to have a coordinated approach
- speak the same language
- avoid each team in an organisation investing in proprietary solutions
- avoid complicating collaboration and sharing.

Links: https://mran.microsoft.com/documents/what-is-r

Product: Standards for the exchange of data produced by official surveyors

Description: This is the standard used by the official surveyors for data exchange.

Type of product: Specification

Responsible OSP: Land Registry and Topography Administration (ACT)

CSI(s) concerned: Government CSI

Rationale: The "Go2ACT" standard is a set of mandatory guidelines and data model schemas for transferring data between official surveyors and the ACT.

Links: https://go2act.cadastre.lu

Product: REST guidelines

Description:

Best practice repository for the development of REST services.

Type of product: Specification

OSP responsable : CTIE

CSI(s) concerned: Government CSI

Rationale:

It is a reference framework built on general recommendations and experience gained at the CTIE level.

Links:

To obtain this standard, please contact the CTIE: dmf@ctie.etat.lu

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Product: Vue J.S.

Description:

It is a scalable framework for building user interfaces.

Unlike other monolithic frameworks, Vue has been designed and engineered to be incrementally adoptable. The core of the library focuses solely on the view part, and it is really easy to integrate with other existing libraries or projects.

Type of product: Specification

OSP responsable : CTIE

CSI(s) concerned: Government CSI

Rationale:

A study was conducted at the CTIE to select a new Frontend Framework.

The choice fell on Vue JS which is a popular framework in the developer community, allowing a progressive integration on existing projects, and based on the SPA (Single Page Application) philosophy offering a better user experience.

Links:
- For more information on its use, please contact the CTIE: dmf@ctie.etat.lu
- Link to the official website of Vue J.S. : https://fr.vuejs.org.

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