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SG.DSG1.C.5 – Digital Solutions & Process Efficiency

Architecture Overview

Electronic Access to Commission Documents (EASE)

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2	04/12/2019		Revised after review of Compass Corporate integration
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1 INTRODUCTION

1.1 Purpose

This document provides an overview of the main conceptual elements of the Electronic Access to Commission Documents (EASE) components and their underlying relationships, which include candidate subsystems, components, nodes, connections, data stores, users and external systems.

1.2 Scope

The scope is limited to the EASE components. Although some external systems are included in the document, the purpose of this is to illustrate the relationships between the EASE components and those systems. The architecture of those systems is out of the scope of the document.

1.3 Intended Audience

This document's intended audience is the IT governance team, the DIGIT data centre, the EASE development teams and the DIGIT solution architects.

1.4 Overview of the document

The Information System Description chapter [§2] provides a high-level view of the Information System.

The Compliance chapter [§3] describes how the system is compliant with the applicable standards and regulations.

The Architecture Overview chapter [§4] explains the architecture of the EASE eco system.

The Re-Usable Architectural Assets chapter [§5] lists all the building blocks and re-usable components used.

2 INFORMATION SYSTEM DESCRIPTION

This section provides a high-level view of the Electronic Access to Commission Documents system, its capabilities and interfaces with other applications.

2.1 Information System Position Statement

For	Public at large and EC access-to-documents coordinators and case handlers
who	For the public at large: issue initial and confirmatory applications for access to EC documents For EC access-to-documents coordinators and case handlers: register, attribute and handle access-to-documents requests
the EASE system	Is an information system
that	Will provide a new online portal through which citizens will be able to submit access-to-documents requests, have an overview of their previous requests, communicate electronically with the Commission, search for the previously disclosed documents etc. Will provide EC access-to-documents coordinators and case handlers a request management back-end that will automate and improve the handling of requests, offer improved search, statistics and reporting functionalities, allow better deadline management, all while complying with the necessary personal data protection requirements.
unlike	The GestDem system that currently supports the access-to-documents process and the ColdFusion form on Europa that allows the public at large to request access to Commission documents, but not to track the advancement or liaise with the Commission services that are handling the request.
our Information System	Will be in line with the European Commission Digital Strategy [REF3] by providing the Commission and citizens with a transparent, digital, efficient and user-centric request management system and public portal.

2.2 Information System Perspective

The EASE information system is composed of three modules. Two web applications, one internal for Commission staff and one external for the general public. These two modules are supported by a common set of web services that implement the business, data access and integration logic. The third module consists of back-end services that will support the web applications by providing access to the database, implementing complex business logic and integrating with corporate services.

All modules will be developed by an extra-muros service provider (under DIGIT-XM QTM framework contract), with the exception of a thin integration layer that will be developed by intra-muros service providers (DIGIT-TM) (cf. AD-002).

It will be fully hosted within the DIGIT data centre based on standard hosting services and will leverage the CNS, Corporate Search Service, Corporate eUI and EU Login components of the Reusable Solutions Platform during the first phase of its deployment. It will then transition from its own instances of Camunda to Compass Corporate and My Workplace after the move to production. The system will integrate with the ePoetry and eTranslation set of translation services and Decide-Decision/Consultation from 2022 onwards.

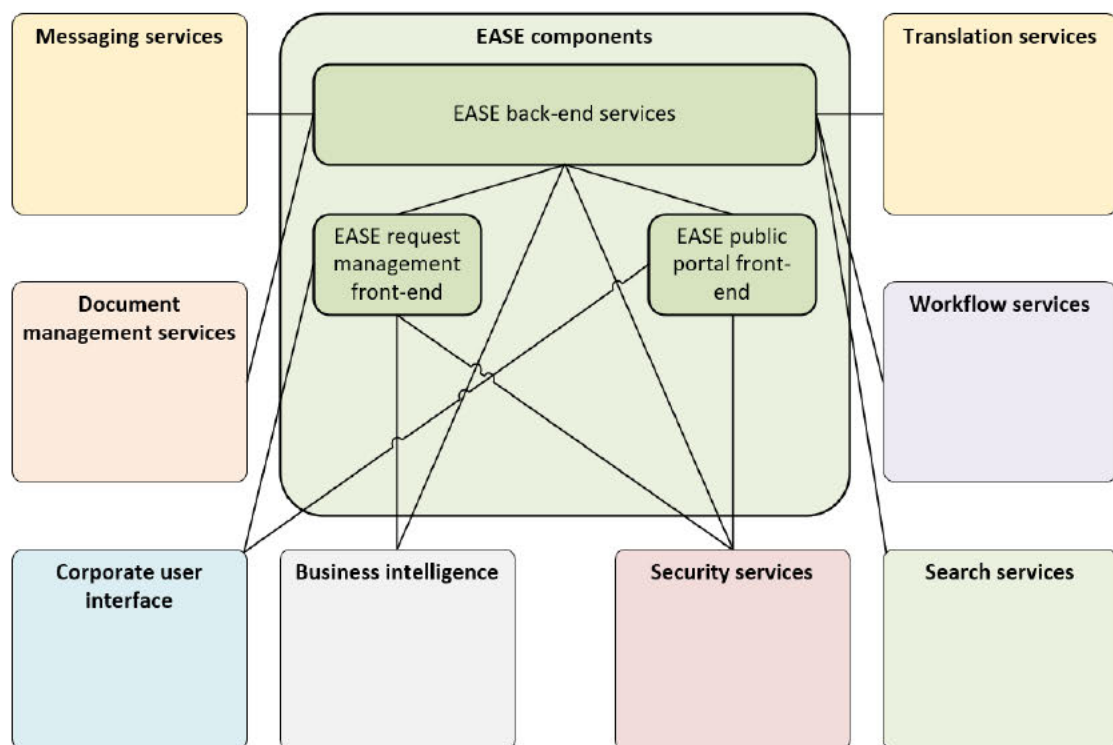


Figure 1 High-level context and component diagram

Module name	Used by	Purpose	Connected with the following information systems / components
EASE Request Management System (EASE-RMS)	<ul style="list-style-type: none"> SG corporate coordinators, screeners and attributors DG access-to-documents coordinators DG access-to-documents request handlers Legal Service 	Web application based on eUI that allows coordinators and case handlers to process access to documents requests in terms of registering the request, preparing the documents and drafting the reply for both initial and	Phase 1 <ul style="list-style-type: none"> EU Login for authentication EASE API for business logic and integration Qlik Sense to display the dashboards and grant access to the

		confirmatory application processes	reports Phase 2 <ul style="list-style-type: none"> The UI will be integrated to the MyWorkplace ecosystem
EASE Public Portal (EASE-PP)	<ul style="list-style-type: none"> Citizens and organisations (students, researchers, journalists, lobbyists...) 	<p>Web application based on eUI/ECL that allows users to request access to documents or searching for previously disclosed documents</p> <p>This will also be the main communication channel between the applicants and the Commission services that are handling the requests</p>	<ul style="list-style-type: none"> EU Login for authentication EASE API for business logic integration
EASE API (EASE-API)	<ul style="list-style-type: none"> EASE-RMS EASE-PP 	Set of web resources that allow both front-end web applications (EASE-RMS & EASE-PP) to integrate with corporate building blocks and to interact with EASE specific data	<p>Phase 1</p> <ul style="list-style-type: none"> EASE database Workflow engine (Camunda) HRS ERS CNS Corporate/Europa Search Service SG NOVA (user management component & templating services) <p>Phase 2</p> <ul style="list-style-type: none"> Workflow engine (Compass Corporate) ePoetry eTranslation Decide-Consultation Decide-Decision

2.3 Assumptions and Dependencies

The current architecture solution proposal assumes the following:

- That the Compass Corporate platform will be used to leverage the workflow task providers, the messaging infrastructure and reusable business-agnostic services.
- That the MyWorkplace user interface framework may be used for the internal management system later. However, that the request management will be a stand-alone application at first.
- That the public portal will adopt the DG COMM design language based on ECL components in alignment with the other Europa pages and information systems.

- That the main document repository will be the HAN family of services, but that some documents may be stored locally if they are not e-Domec compliant.

The following components may not be immediately integrated but could be added later based on business prioritisation and availability of funds:

- Translation services (provided by DGT): ePoetry to request official translations of outgoing correspondence and eTranslation for automatic translation of incoming correspondence.
- Decide: in 2022 a project will be initiated to integrate Decide-Consultation/Decision into the confirmatory application process for DG/Legal Service consultations and for the adoption of confirmatory decisions.

2.4 Information System Requirements and Quality Ranges

There are three main components for the EASE information system:

- Request management system (EASE-RMS): request management web interface for Commission staff (SG/DG coordinators and case handlers).
- Public portal (EASE-PP): public-facing web interface hosted on Europa that applicants use to search for disclosed documents and manage their applications.
- APIs (EASE-API): set of interfaces that both the case management application and public portal rely on to retrieve and store information on the EASE business domain.

2.4.1 Availability

Since the portal is a public application, it must be available at any time all year-round. The requirements for the request management system are less stringent because the system is required to be available during office hours.

- EASE-RMS: standard availability requirements (Mon.-Fri., 8.00-18.00), with 99% uptime (21h54 possible downtime / 3 months).
- EASE-PP: 24 hours a day, 7 days a week throughout the whole year, with 99% uptime (21h54 possible downtime / 3 months).
- EASE-API: 24 hours a day, 7 days a week throughout the whole year, with 99% uptime (21h54 possible downtime / 3 months).

2.4.2 Usability

As a web application, the public portal component will provide a web UI (User Interface) that adheres to usability standards of commonly available browser based application.

As such:

- The system will provide natural language search functionalities that will be on par (from a semantic perspective) with what nonprofessional users expect from a search engine.
- The system will adhere accessibility standards put forth by the W3C WAI-ARIA Guidelines¹. Note that these standards are already baked into the underlying UI frameworks the system will build upon; namely DIGIT's eUI/ECL.
- Proper user help material or documentation will be made available to the users for functionality that are identified as not being intuitive.

Several rounds of usability tests were done on both web application prototypes, targeting specific user populations depending on the features that were being tested. The feedback from end-users was immediately integrated into the design.

¹ <https://www.w3.org/WAI/standards-guidelines/aria/>

2.4.3 Maintainability

For both web applications, the architecture aims to have operational data and operational activities served or driven from its database.

Key operational data that will be maintained in the database are:

- Job schedules
- Static reference data (language and country lists)
- Dynamic reference data (template types and categories)
- Static texts' translations and localized labels.

The Solution Provider and Business Manager will also have privileged access to an administration page to manage user rights, document templates, localised labels and application runtime parameters.

A System Monitoring page and underlying component will be made available to record and visualize, in real time, key performance, scalability and stability indicators of the API module.

Key system metrics that will be recorded are:

- User counts over time
- Request counts over time
- JVM Heap utilization over time
- JVM Thread counts over time
- Job/Worker Queue sizes
- Slow queries
- Slow services
- Error counts over time

Keeping track on these key metrics will allow for better understanding of problems when they occur and for preventive measures to be taken when negative trends are identified.

2.4.4 Applicable Standards

- The system will be compliant with data protection Regulation (EU) 2018/1725.
- The system will be compliant with the Commission Decision (EU, Euratom) 2017/46 on IT security.
- The business process model will be BPMN 2.0- compliant.

2.4.5 System Requirements

The EASE system will be fully hosted within the DIGIT data centre for acceptance and production environments but will depend also on the contractor's environments and AWS workspaces and servers for development purposes.

The API gateway will help bridge the gap between the contractor's development environments and the corresponding integration of non-production APIs.

Infrastructure element	Product	Management	Version
LAMT stack	Linux, Apache, MySQL & Tomcat	Hosting	Linux (RHEL): 7.7 Apache web server: 2.4.39 Apache Tomcat: 9.0.31 MySQL: 8.0.19
API Gateway	WSO2	Hosting	N/A

Network	SNET & Internet	Hosting	N/A
Network	Load balancer VIPs and reverse proxy mappings	Hosting	N/A
Amazon Web Services	Workspaces and development EC2 servers	Cloud	N/A

Service	Product	Version
Authentication	EU Login	4.47.x for Tomcat
Notifications & email	CNS	1.2.x
User interface framework	eUI/ECL (Angular)	7.x
Workflow management framework	Camunda	7.8.x
Document management & externalisation	HRS & ERS	HRS 2.0 ERS 1.2
Virtual machine implementation	OpenJDK	11
Development framework	Spring-Boot	2.0.x

2.4.6 Performance Requirements

Only the public portal has noteworthy performance requirements because it is publicly available.

- The public portal will support up to 30 concurrent users against the search engine at any given time and up to 20 concurrent users on the applicant dashboard. This component will complete 90% of all transactions within 2 seconds.
- The request management system will support up to 20 concurrent users at any given time. This component will complete 90% of all transactions within 5 seconds.
- The APIs will support up to 50 requests per second and complete 90% of them within 2 seconds.

3 COMPLIANCE

3.1 Security Compliance

3.1.1 Security Statement

The following security business impact assessment will be confirmed when the security plan for the information system is drafted in the second half of 2020 (according to the ITSRM² methodology).

The security plan ITSRM² Excel file is currently being filled in jointly by the Solution Provider and Business Owner. The System Owner is expected to sign off on the Word document and its Excel annex in Q1 2021 before the Q2 move to production.

Our Information System has a Confidentiality level	LIMITED BASIC
Our Information System has an Integrity level	MODERATE
Our Information System has an Availability level	MODERATE

Our Information System has a Security classification	STANDARD
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3.1.2 Philosophy

Request management system

The EASE request management component will authenticate and attribute a role to users of the system based on the role assignments given in the EASE access management interface. An access management module will then resolve the individual permissions based on the user's profile (organisational information and roles) and the state of the concerned business object.

The access rights are checked both at the UI level in the request management system web application and at the API level for access to data and services.

Communication between the users of the system and the underlying web application, as well as communication between the request management system and the APIs will be done over HTTPS within the NET1 zone via the use of secured reverse proxy mappings.

In terms of data segregation, cases in the initial stage will be viewable by anyone with pseudo-anonymised applicant personal data. Regarding the ability to edit a case, one needs to belong to the unit and DG to which the case has been attributed.

Cases in the confirmatory stage will only be available to corporate access-to-documents coordinators in the Secretariat-General.

The reporting, statistics, user management and template management administration features will only be available to corporate coordinators and IT administrators.

Public portal

This web application component will have a fully public area with the homepage, the guidance page and a search page. There will also be a secured applicant dashboard where they will be able to issue requests and appeals for access to Commission documents. Access to the secured request and account management resources will require two-factor authentication via EU Login.

All communication between the users of the portal and the underlying web application will be secured via HTTPS.

3.1.3 Scope

All EASE components will be running on standard DIGIT hosting services in the data centre. Therefore the security measures to guarantee the physical security of the infrastructure are out of the scope. For the same reason, measures destined to secure the servers at the OS or application server level are out of scope.

3.2 Document Management Compliance

All appropriate documents will be maintained in HAN (Hermes, Ares, NomCom); the EASE system will do so via the Hermes Repository Services (HRS).

The public portal will also make public versions of disclosed documents available for searching; these versions will be published to and retrieved from the External Repository Services (ERS) and indexed in the Corporate Search Service.

Within the scope of the HRS integration procedure, the SG Data Management Officers (DMOs), the eDomec team (SG.C.1) and DIGIT colleagues have also reviewed and approved the system's document management considerations.

3.3 Data Protection Compliance

Data Protection Checklist	
1) Does this project process any data allowing the identification of an individual person?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
2) Personal data is extracted or imported from an Information System. Name: DG: This the DPO is notified: The Information System owner has given his agreement?	<input checked="" type="checkbox"/> COMREF DG HR <input type="checkbox"/> Not yet <input type="checkbox"/> Not yet
3) Personal data is manually collected?	<input checked="" type="checkbox"/>
4) Personal data is collected on-line?	<input checked="" type="checkbox"/>
5) Nature and origin of personal data: medical, assessment, social, e-monitoring, log, ...; other nature; external citizens, other EU Institutions; Commission Staff.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
6) Does any new version of the application have an impact on the currently notified processing?	<input type="checkbox"/>
7) Other...	

Based on the answers to the checklist, the conclusion is that:

- 1) the system/application foresees to process personal data ☒
- 2) the system/application does not process personal data ☐

Personal data of the applicants will be manually encoded into the system by the DG coordinators based on email and written correspondence. It will also be processed automatically by the public portal where applicants will be invited to encode personal contact information. Processes are foreseen to remove personal data via pseudo-anonymisation techniques once a case has been closed and that contact no longer needs to be established with the applicant.

A data protection record will be created in the DPMS (Data Protection Records Management System) information system in compliance with Regulation (EU) 2018/1725. The data controller will be unit SG.DSG1.C.1. The Data Protection Impact Assessment will be carried out jointly in DPMS and within the scope of the elaboration of the ITS RM² security plan.

3.4 OLAF Compliance

The information system does not support actions and processes related to EU funding, but the data model will be designed with the OLAF guidelines checklist in mind. Exportability of the data and the presence of an audit trail are foreseen.

3.5 Constraints (Optional)

The design, look and feel of the public portal hosted on Europa must be compliant with the latest DG COMM guidelines [REF4]. The design has been submitted to DG COMM for review and was approved in July 2020.

4 ARCHITECTURE OVERVIEW

4.1 Architectural Goals

All three EASE components will focus solely on the execution of the business logic associated to managing access-to-documents and will delegate most cross-cutting issues to corporate building blocks:

- **Document management:** EASE will leverage the HAN (Hermes, Ares & NomCom) information system via the HRS (Hermes Repository Services) API for document management requirements. Externalisation of publicly disclosed documents will be managed via ERS (External Repository Services).
- **Workflow:** the EASE project has been officially onboarded to the Compass Corporate programme and will leverage the Kafka event bus and Compass workflow engine to steer and orchestrate the business process during the second phase of the project. In the meantime, it will adopt the Camunda process execution engine and will design the business processes to guarantee compatibility with the transition from local instances to the Compass workflow-as-a-service approach.
- **Search:** the Europa and Corporate Search Services will be used to index the disclosed documents in order to make them easily accessible to both citizens on Europa and case handlers in the EASE system.
- **Business intelligence:** the Qlik Sense product will implement the reporting and dashboarding requirements.
- **Messaging:** the Corporate Notification Service will be used to notify internal users of events and to send out correspondence to external entities and applicants.
- **Security:** for both the internal and external web applications, EU Login will authenticate users. The request management system will leverage the UMC system to manage roles and to retrieve organisational information from COMREF.

Integration with Compass Corporate, MyWorkplace, ePoetry and eTranslation will be implemented at later date.

4.2 Architecture Decisions

4.2.1 Architecturally Significant Requirements

- The API Gateway must be available for extra-muros development to properly test and integrate with corporate systems.
- The HRS API must be adapted to support the creation of publicly available versions of documents (project ongoing).

4.2.2 Architectural Constraints

- The architecture of the request management system must support the integration with the Compass Corporate workflow service with minimal friction or additional costs after the move to production of the first phase of the project. The local workflow process engine will therefore be aligned with the Compass Core product Camunda and the business processes will be reviewed by the DIGIT CAMUNDA SUPPORT team.
- The web applications must use the latest version eUI and ECL (Angular & Typescript) to guarantee a smooth transition to MyWorkplace and compliance with DG COMM usability, accessibility and design guidelines.
- The system must be wholly hosted in the DIGIT data centre based on standard service offerings.

4.2.3 General Findings and Recommendations

4.2.3.1 Architectural Decision AD-001

Subject Area	Infrastructure	Topic	Hosting
Architectural Decision	Host the information in the DIGIT data centre based on standard service offerings	ID	AD-001
Issue or Problem Statement	Where to host the EASE application components and in what mode (hosted, housed or cloud)		
Assumptions	DIGIT will be able to supply and operate the required services		
Motivation	To guarantee long-term maintainability of the solution		
Alternatives	Housing and cloud-hosting		
Decision	Host on DIGIT LAMT (Linux Apache MySQL Tomcat) stack		
Justification	Standard and well-understood offering that is close to the developers' native open source environments		
Implications	The development team will not need to maintain OS & VM-level security consideration		
Derived requirements	N/A		
Related Decisions	N/A		

4.2.3.1 Architectural Decision AD-002

Subject Area	Integration	Topic	API Gateway
Architectural Decision	Use the API gateway in non-production environments for extra-muros development and integration	ID	AD-002
Issue or Problem Statement	The development of the web applications and business services has been outsourced via QTM contracts using DIGIT-XM (QTM) framework contract. The supplier will need to integrate with Commission services (CNS, HRS, Compass Corporate...) to fully test their developments		
Assumptions	N/A		
Motivation	Delegated management of the publication process Ability to securely publish non-production services for our extra-muros supplier		
Alternatives	Security convention between the EC and the supplier		
Decision	Leverage the API Gateway to expose secured development resources, that both grant access to internal test environments but also abstract the complexity of the native APIs		
Justification	Allows the extra-muros supplier to access the remote interfaces transparently with little to no additional configuration The pandemic also made drafting security conventions difficult because most of the extra-muros developers were working from home		
Implications	The intra-muros development team will need to maintain the integration layer API and publish the relevant resources on the API Gateway		

Derived requirements	The intra-muros development team will develop an integration proxy library that the supplier must use to liaise with the integration services. Depending on whether the hosted application in development or non-development modes (production) the proxy will either use the API Gateway or contact the resources directly
Related Decisions	N/A

4.2.3.1 Architectural Decision AD-003

Subject Area	Integration	Topic	Compass Corporate
Architectural Decision	Leverage the Compass Corporate and MyWorkplace reusable solutions	ID	AD-003
Issue or Problem Statement	Upon reviewing the EASE Business Case, the IT Investments Team suggested that the project team contact DIGIT, AGRI & RTD regarding the onboarding into the Compass Corporate programme for the workflow management aspects		
Assumptions	Compass Corporate would be ready and stable enough in time for the move to production of the EASE system (Q2 2021) The intra-muros and extra-muros developers would have the necessary technical skills to maintain the integration with Compass Corporate		
Motivation	Alignment with the ED Digital Strategy and emphasis on the usage of reusable solutions		
Alternatives	Manage a local process execution engine like Camunda		
Decision	The SG was officially onboarded to the Compass Corporate programme in 2020 for an initial use of the workflow-as-a-service infrastructure and a later integration with MyWorkplace		
Justification	To spur the adoption of the reusable solution and to reuse existing workflow management services		
Implications	The request management application will need to integrate with Compass Corporate asynchronously via Kafka The intra-muros development team will need to be onboarded to acquire the necessary expertise		
Derived requirements	N/A		
Related Decisions	AD-004		

4.2.3.1 Architectural Decision AD-004

Subject Area	Integration	Topic	Compass Corporate
Architectural Decision	Postpone the adoption of Compass Corporate until after the move to production of the first phase in favour of a local Camunda service	ID	AD-004
Issue or Problem Statement	The lack of development platform stability and SG intra-muros expertise presented risks too great for the immediate integration with the Compass Corporate platform		
Assumptions	The intra-muros developers have Camunda and BPM know-how		
Motivation	The technical and delivery risks were too significant		

Alternatives	Postpone the project to acquire the necessary expertise internally and for stabilisation of the platform
Decision	Postpone the adoption of Compass Corporate until 2022
Justification	To focus on the timely move to production of the EASE information system
Implications	The development team will need to adapt the integration API to liaise with Kafka asynchronously instead of leveraging a local Camunda instance
Derived requirements	The BPMN processes that will be modelled will need to comply with Compass-mandated design patterns to guarantee a smooth transition in 2022
Related Decisions	AD-003

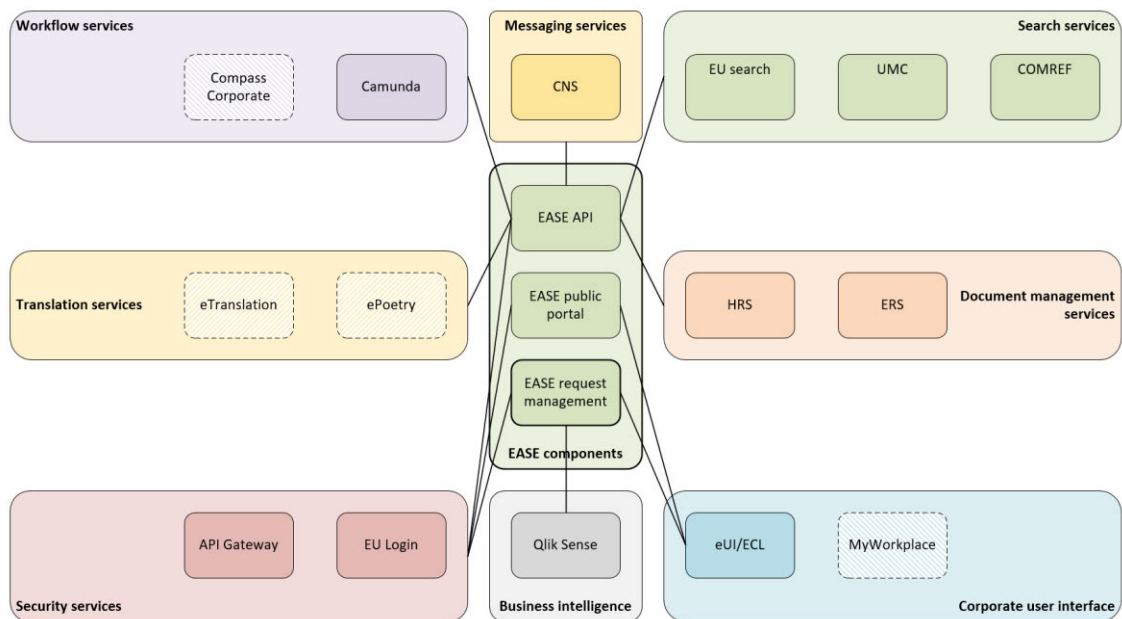
4.2.3.1 Architectural Decision AD-005

Subject Area	Architecture	Topic	Tiered application
Architectural Decision	Use a three-tiered architecture to implement the system	ID	AD-005
Issue or Problem Statement	Taking into account functional and non-functional requirements, an architectural setup of core components has to be chosen		
Assumptions	Component selection and organisation is constrained by available deployment options offered by the DIGIT data centre solution architects		
Motivation	Three-tiered applications are common and well understood by developers They offer a good way to separate concerns and scale in both complexity and team size		
Alternatives	Monolithic approach, fully integrated application including front-end, business logic and data		
Decision	A three-tiered system will be implemented		
Justification	N/A		
Implications	Dedicated server environments will be provisioned for each tier of each component of the system		
Derived requirements	N/A		
Related Decisions	N/A		

4.3 Architecture Overview Diagram

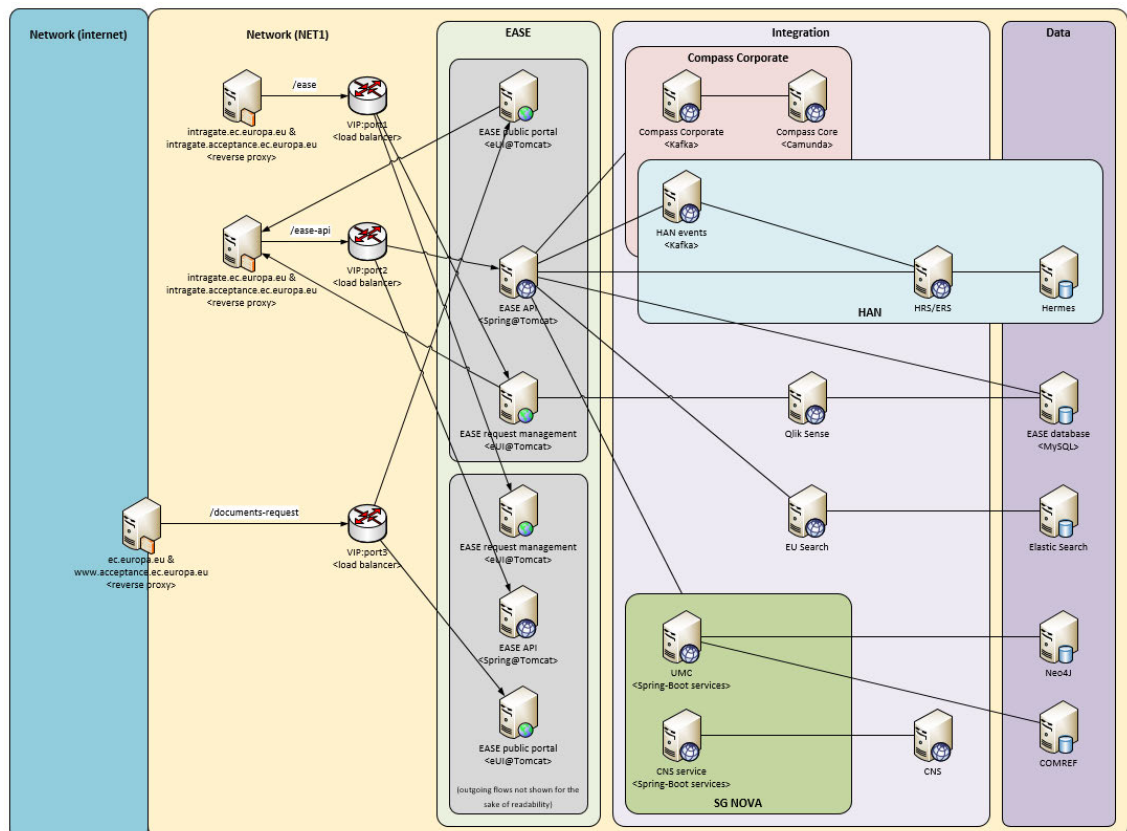
The following diagram illustrates the services that will be solicited by the three main EASE components.

Context

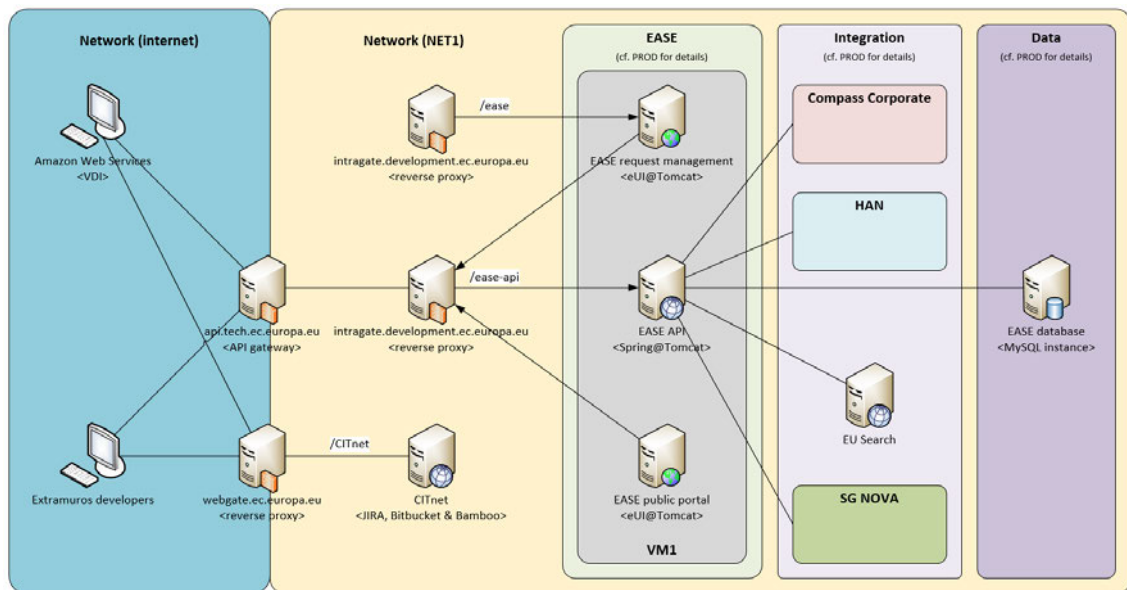


Hosting

This diagram gives an overview of how the components will be deployed in a production environment with the required infrastructure solutions (load balancers, reverse proxies, web containers and database servers).



For the development environments, intra-muros (on Amazon VDI environments) and extra-muros developers will leverage the proxying capabilities of the API Gateway to reach internal corporate services.



5 RE-USABLE ARCHITECTURAL ASSETS

Reusable Asset Category	Reusable Asset Name	Reference	Applicable (Y/N)	If applicable: Reused (Y/N)	If <u>not</u> reused: specify the reason If <u>reused</u> : type of reuse (service / component)
Authentication and authorization	CEF eID	Link to BB Catalogue	N		
	EU Login	Link to BB Catalogue	Y	Y	
	Ulysse & IAM	Link to BB Catalogue	?	?	If the system integrates with Compass Corporate and MyWorkplace, the Secunda access rights management system will be used for first level authorisation, or EU Access if it is ready by then The SG UMC (User Management Component) framework may be used for lower level authorisations
	UMM	Link to BB Catalogue	?	?	
Document management	eChecklist	Link to BB Catalogue	N		
	HRS	Link to BB Catalogue	Y	Y	
	ERS	Link to BB Catalogue	Y	Y	
	CEF eDelivery	Link to BB Catalogue Link to CEF catalogue	N		
	DOMIBUS	Link to BB Catalogue	N		
	e-TrustEx	Link to BB Catalogue	N		
	TESTA	Link to BB Catalogue	N		
Electronic signature	CEF eSignature	Link to BB Catalogue	N		
	ESSI	Link to BB Catalogue	N		

Information management	Enterprise Search	Link to BB Catalogue	Y	Y	It remains to be seen whether it would be useful to contribute the disclosed documents to the enterprise search indices The Corporate Search Service will be used by the request management system to index and search for access to documents requests and replies The Europa Search service will be used by the public portal to index and search for publicly available versions of disclosed documents
	MT@EC	Link to BB Catalogue	Y	Y	In a second phase the ePoetry and eTranslation services could be used to request official translations of outbound correspondence and to automatically translate incoming requests
	Newsroom	Link to BB Catalogue	N		
	Ref2Link	Link to BB Catalogue	N		
Notification	CNS	Link to BB Catalogue	Y	Y	
User Experience	eUI Platform	Link to BB Catalogue	Y	Y	eUI for the request management system and ECL for the public portal
Workflow Management	eWorkflow (Workflow As A Service)	Link to BB Catalogue	Y	Y	In a second phase the EASE-API component will be adapted to leverage the Compass Corporate workflow service instead of its own Camunda services

APPENDIX 1: REFERENCES AND RELATED DOCUMENTS

Doc ID	Reference/ Related Document	Location
RD1	Business Case	https://psxl.psteering.com/servlet/com.cint.eraactive.ps3.documents.GetLinkServlet/EC/fs000080000mh5bagpg000000/6/EASE+-+Business+Case.pdf
RD2	Project Charter	https://psxl.psteering.com/servlet/com.cint.eraactive.ps3.documents.GetLinkServlet/EC/fs000080000mj9331k20000000/2/EASE+-+Project+Charter+-+1.2.pdf
RD3	Software Architecture Document (draft)	https://webgate.ec.europa.eu/CITnet/confluence/display/EASECP/Software+architecture+document
RD4	eUI framework	https://eui.ecdevops.eu/screen/app/home
REF1	Regulation (EU) No 2018/1725 on processing of personal data by Union institutions: Data protection legal framework applicable to the Commission, organisers and signatories	https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1556879129252&uri=CELEX:32018R1725
REF2	Commission Decision (EU, Euratom) 2017/46: Commission Decision on the security of communication and information systems in the European Commission	https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1561014551056&uri=CELEX:32017D0046
REF3	European Commission Digital Strategy	https://ec.europa.eu/info/publications/EC-Digital-Strategy_en
REF4	Europa Web Guide	https://wikis.ec.europa.eu/display/WEBGUIDE/Europa+Web+Guide