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D4.4 API e-Shop Development

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Document Information

List of Contributors

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0.2	27/06/2021	Peter Bainbridge-Clayton (kompany)	Updates after review
0.3	30/06/2021	Kompany	Version without comments and changes ready for QA
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Quality Control

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Deliverable leader	Peter Bainbridge-Clayton (Kompany)	29/06/2021
Peer reviewers	ADACOM, INFOCERT	29/06/2021
Quality Manager	Juan Alonso (Atos)	30/06/2021

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List of Acronyms

Abbreviation / acronym	Description
API	Application Programming Interface
DC	Data Consumer
EC	European Commission
eIDAS	eIDAS Regulation (EU) No. 910/2014 on electronic identification and trust services for electronic transactions in the internal market
KYC	Know Your Customer
SDK	Software Development Kit

Executive Summary

GRIDS identifies the importance of bundled services for worldwide commerce, business and financial sectors that require KYC – Know Your Customer guidelines and identifies the service receiver through an internationally accepted eIDAS eID system.

As a result, part of the project focuses on existing services, whose addressable market is really large and will have a significant growth, especially due to the Covid pandemic period.

Deliverable "D4.4 – API eShop Development Report" is related to Activity 4, in particular deliverable 4.3[1], "APIs Development and Deployment" of the GRIDS project (increasinG tRust with eId for Developing buSiness).

The goal of this deliverable is to provide an update on the status of the eShop, which will include the SDK, code samples and other artefacts that will allow end-users to connect to GRIDS service offerings. These will be made available through a public readable gitlab repository.

1 Introduction

1.1 Purpose of the document

This document is designed to report the status of the 'e-Shop development'. There has been some considerable debate as to the exact meaning of the "eShop", the original intention in the initial project design, and how that relates to the path the project has taken since then.

The intention of the eShop is to provide a single location where users of the GRIDS system can obtain the knowledge and/or software necessary to connect into and use the system.

1.2 Relation to other project work

All deliverables related to this project are depended on:

- Activity 2,
    - o Task 2.2: Architecture and APIs Design and action plan
- Activity 3,
    - o Task 3.1: BAA Development
- Activity 4,
    - o Task 4.3: APIs development and deployment

1.3 Structure of the document

This document is structured in 4 major chapters:

Chapter 2 presents an overview of the eShop and the contents

Chapter 3 presents the current status of the eShop

Chapter 4 presents the status and conclusions

2 API eShop

The purpose of the GRIDS API eShop is to provide a single place of access for potential and actual users of the GRIDS platform to access the tools and information necessary for them to make a successful connection and use of the platform.

2.1 Content

The API eShop will contain the following artefacts as a minimum. It is expected that this list will expand as the project progresses. Such extensions will include service definitions and explanations by additional Data Providers and additional material generated by this project.

At the time of writing, the content is expected to be read only by the public – i.e. external contributions and changes will not be accepted, but such public involvement has not been ruled out. The success of open source software demonstrates the viability of allowing such involvement.

The initial list of artefacts available through the API eShop is:

- The Data Consumer API in the form of a java JAR as developed by ADACOM and documented in Delivery 4.3[1]. This is a standalone JAR in a specific package which can be used to facilitate the connection to and intereaction with the GRIDS platform. Although it is not necessary to use this JAR, it is sptrongly recommended that any data consumer planning to use Java should use this JAR.
- A collection of simple use cases for the DC API in connecting to GRIDS. These show examples of basic use cases when using the JAR to interact with the GRIDS platform, and can be used as a basis for a complete implementation.
- GRIDS service descriptions. These offer the reader a desctiption of the GRIDS service, its operation and structure.
- Data Provider (kompany) description of coverage and data specific elements. This provides details of the data which is available from the original Data Provider, 360kompany AG.

2.2 Access

The eShop will be made available through a gitlab repository with public read access. Artefacts on the repository will either be links to a different ADACOM repository or will be housed in the main repository directly.

The URL of the main repository is: https://gitlab.com/GRIDS_EID/grids_eid

3 Current Status

At the time of writing, the content artefacts of the eShop either exist or are in development. The main repository exists, with links to ADACOM artefacts, and others.

As the eShop is dependent on its content for other parts of the project, the artefacts available through it will grow and adapt as the project continues.

4 Conclusions

The API eShop definition has been clarified, and the work is well in progress. Users will be able to obtain relevant code, samples and documentation through a public gitlab repository.

The content of this repository will extend as the project nears completion. It is planned to release an updated version of this document will be made available at the end of the project to include these additions.

5 References

[1] GRIDS Project, GRIDS_D4.3_APIs Development and Deployment_v1.0