Towards a sustainable EU Student eCard DSI

Abstract: The present document outlines a possible technical architecture for an open, inclusive, secure, privacy-friendly and sustainable EU Student eCard Digital Service Infrastructure (DSI) based on the requirements elicitated in (go.eIDAS, 2019).

1   Introduction

Against the background of the "eIDAS-Regulation" (2014/910/EU) on electronic identification (eID) and trust services for electronic transactions in the internal market and the "General Data Protection Regulation" (GDPR) (EU) (2016/679/EU) as well as a wealth of previous work within numerous pertinent projects and last but not least the call (CEF-TC-2019-4), a working group "EU Student eCard"[1] was formed within the non-profit go.eIDAS-Initiative to conduct a survey and requirements analysis as a first step towards the design and development of an open, inclusive, secure, privacy-friendly and sustainable EU Student eCard Digital Service Infrastructure (DSI).

The present document outlines the current[2] proposal for a technical system architecture for the EU Student eCard DSI, which aims at fulfilling the requirements elicited in (go.eIDAS, 2019). The proposed system architecture is planned to be continuously refined and improved within the course of the ongoing work. Please send any suggestions for improvement or other enquiries to eu-student-ecard@openecard.org.

2   Towards a system architecture for the EU Student eCard DSI

The current version of the system architecture for the EU Student eCard DSI, which is planned to be continuously refined and improved, is outlined in Fig. 1.

As explained in (go.eIDAS, 2019) and depicted in Fig. 1, the envisioned EU Student eCard DSI seeks to integrate existing and emerging "External Service Infrastructures" as well as "Existing HEI Infrastructures", while being open for integration with existing and emerging "External Services".

The project, which is intended to be proposed for (CEF-TC-2019-4), is envisioned to provide an Open Source "EU Student eCard Core Service Module", which can be integrated in "Future HEI Infrastructures" and "Pilot Components and Services".

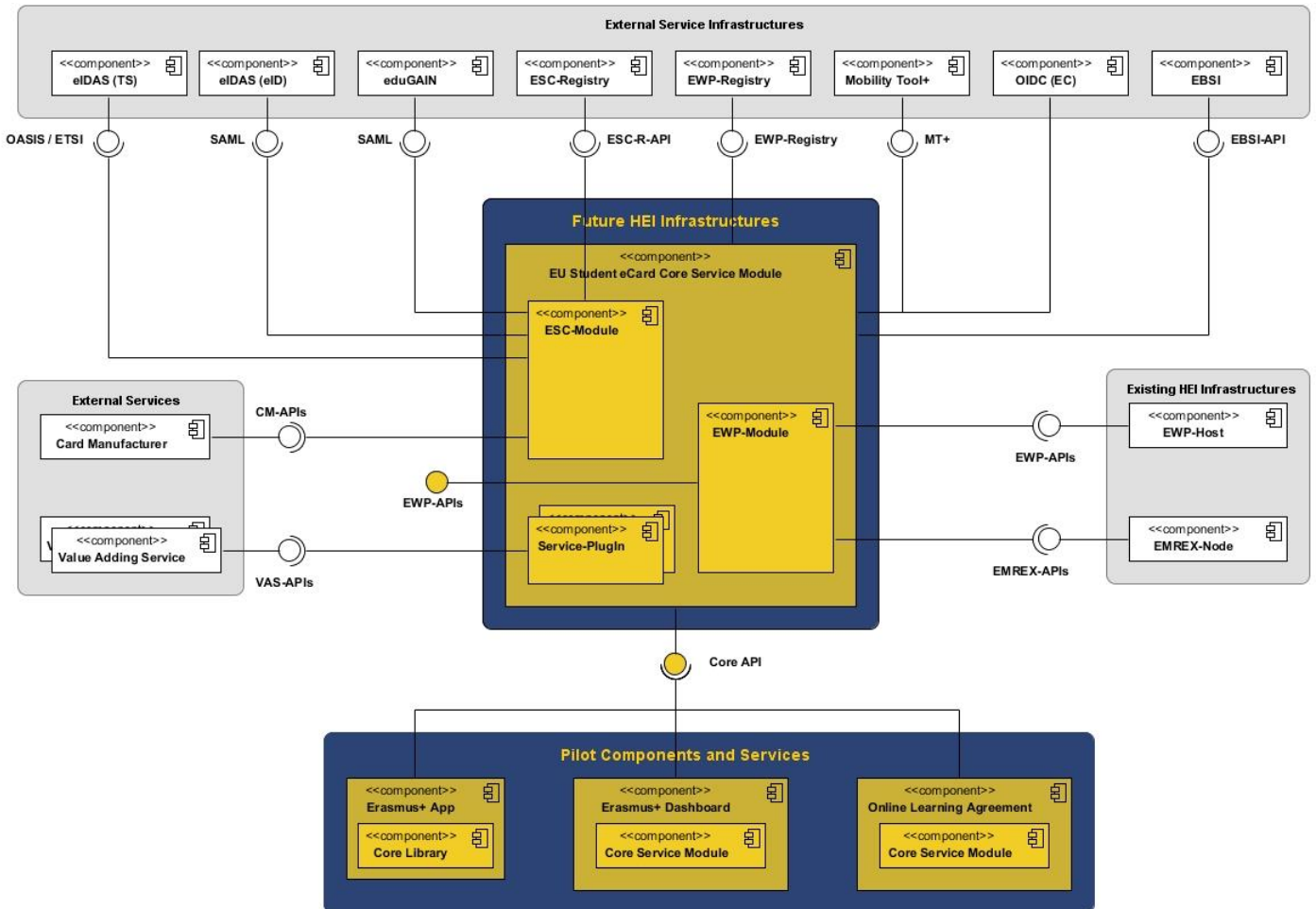[1] See https://go.eid.as/wg/EU-Student-eCard.pdf
[2] October 8th, 2019

Fig. 1: Outline of EU Student eCard DSI system architecture

References

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