InVID

Deliverable D5.2: InVID Platform, First Version (confidential document - only a summary is publicly available)

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Work Package 5: System Integration and Platform Development

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Abstract

D5.2 is an extension and update of the D5.1 technology roadmap document and describes the first productive version of the InVID platform. The core integration strategy for the InVID platform as specified in D5.1 can be summarized as follows:

- InVID has three data producers that govern the flow of data across the storage, analysis and enrichment components of the InVID platform.
- All data enrichment components of the InVID platform are provided as RESTful Web services accessible to all components of the platform.
- A meta-document model acts as the central data representation for effective data sharing among all InVID modules.
- Two central, cross-referenced data repositories have been configured to hold all relevant InVID datasets required by the verification components, of both binary and contextual formats.

Whereas in D5.1 we introduced and motivated the integration strategy, this deliverable presents the initial implementation efforts towards a first prototype. We maintain the structure and core content of D5.1, yet have updated the respective sections to reflect their latest development and integration status. This includes content preparation, data integration, knowledge extraction, video verification as well as the main InVI applications. Parts that have not been updated are clearly marked as such. This document structure best reflects the approach of WP5 and the evolving nature of InVID platform.

D5.2 is structured as follows: We begin with an overview of the InVID platform, with particular focus on the state of the first prototype in Section 2. This is followed by more detailed technical descriptions of the data acquisition (Section 3) and knowledge extraction (Section 4) components. For this extended deliverable, all sections have been updated where necessary to reflect the latest development and integration status of the platform. Section 5 documents the data integration strategy that was devised to guarantee a seamless integration of all technical contributions of the project partners into a coherent and effective video verification platform. Particular focus is given on the implementation of the integration strategy devised in D5.1 towards the first prototype version of the InVID platform. Section 6 provides technical details of the information services and applications to be built, again with updates on their development process where applicable.

