InVID

Deliverable D5.5: InVID Platform, Final 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

Deliverable D5.5 is an extension and the final update to the iterative InVID platform report, building upon and extending earlier Deliverables D5.1 "Technology Roadmap", D5.2 "InVID Platform, first version", and D5.4 "InVID Platform, Intermediate Version". It describes the final iteration of the InVID platform after its initial release reported in D5.2, and its itermediate iteration reported in D5.3. The core integration strategy for the InVID platform has been finalised in D5.2 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.

In D5.2, we presented an initial prototype of the InVID platform, consisting of two core applications and a number of verification and enrichment services loosely integrated. In D5.4, we reported on an intermediate version of the InVID platform that stabilised and further integrated the services and applications from the InVID consortium partners into a fully-functional video verification platform.

D5.5 describes the final iteration of the InVID platform, and is structured as follows: After a short introduction to this deliverable (Section 1), we begin with an overview of the InVID platform, with particular focus on integration of workflows in APIs towards the final InVID platform in Section 1.1. This is followed by more detailed technical descriptions of the Core Platform (Section 2), the data acquisition module (Section 3), and the knowledge extraction (Section 4) components. Section 5 and Section 6 are devoted to the integration of the content verification modules and the copyright management component, respectively. Section 7 provides technical details of the information services and applications, again with updates on their development and integration process where applicable. In each section, particular focus is given on the integration-relevant changes of the platform since Month 18 (as delivered in D5.4). For this extended deliverable, all sections have been updated where necessary to reflect the latest development and integration status of the platform. Finally, we conclude with a wrap-up of the integration work package in Section 8.

