



Deliverable D5.4: InVID Platform, Intermediate 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 D5.4 is an extension and update of Deliverables D5.1 , "Technology Roadmap", and D5.2, "InVID Platform, first version". It describes the first iteration of the InVID platform after its initial release reported in D5.2. The core integration strategy for the InVID platform, as specified in D5.1 and D5.2, can be summarised 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. This deliverable reports on the first iteration of this prototype towards an intermediate version of the InVID platform, with a focus on tight integration and service maturity.

D5.4 is structured as follows: We begin with an overview of the InVID platform, with particular focus on the development and integration status of the first platform 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 and Section 6 are devoted to the integration of the content verification modules and the copyright management component, respectively. Section 7 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 integration-relevant changes of the platform since Month 9 (D5.2). Section 8 provides technical details of the information services and applications, again with updates on their development and integration process where applicable. Finally, an outlook of the work done so far on the development of the InVID platform, as well as details about our future steps on this direction are given in Section 9.