



D7.1 Asset Store Design



sauce

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Author(s)	Sam Hudson, Simon Robinson, Peri Friend
EC Project Officer	Ms Adelina Cornelia Dinu - adelina-cornelia.dinu@ec.europa.eu
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1 EXECUTIVE SUMMARY

FO has designed an asset store. This report describes this design and shows how the asset store and its API's allow integration from other SAUCE project partners. The design addresses the requirements for a type-agnostic, versionable, distributed, replicated asset store with high redundancy and high availability.

This report discusses the drivers behind the design decisions and the goals for the asset store. We summarise the RESTful API hooks which allow SAUCE partners and third parties to integrate with the asset store. We also include detail on the mechanisms for asset transfer, transcoding, plugin-in support for arbitrary assets and their smart descriptors, and the approach to redundancy and high availability of the server architecture.

The design is now largely implemented as the backend infrastructure for FO's Flix product, but more work is still required to support offline assets and full integration with the search and transformation frameworks. In addition, the implementation hasn't been widely exercised by SAUCE, which may lead to design refinements as the project progresses towards experimental productions.