



Executive Summary

D4.3: Programmer's guide for data management and service invocation-

First version

The CrossCult project has developed the CrossCult platform, which provides all underpinnings for data management and advanced functionalities needed by cultural heritage applications. Deliverable D4.3 constitutes a comprehensive guide on the following two issues:

- How CrossCult data and knowledge can be accessed and managed.
- Which services are available in the CrossCult backend, what functionalities each one offers and how each service may be accessed.

The information provided within D4.3 reflects the state of the CrossCult Knowledge Base and deployed services at project milestone 1 (May, 2017) and is targeted to:

1. Developers of frontend application, including developers of apps for visitors and developers of apps for other CrossCult platform stakeholders (museum curators and experts, data scientists, administrators and experience designers).
2. Developers of additional modules that will be incorporated as microservices into the CrossCult platform. For these developers, a style guide is also included to be followed in the service API design phase, to promote API uniformity and ultimately facilitate the work of API end-users.
3. Data scientists, which may use data management interfaces to access and analyze the data within the CrossCult knowledge base.

In the service API presentation section, services are grouped by functionality type, allowing developers to quickly identify the available functionalities and access the relevant API details.

Advanced features to provide support for further enriching the functionality of applications will be made available at project milestone 2. Feedback from the initial pilot deployment will be also taken into account for enriching the functionality offered by the current implementation status.

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