

Deliverable D10.3: EOSC Hub Technical Architecture and standards roadmap v1

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1.1 Service template description

The template given below is used as structure for giving a complete description of each service

Identification	The unique name for the component and its location in the system.
Type	A module, a subprogram, a data file, a control procedure, a class, etc.
Purpose	Function and performance requirements implemented by the design component, including derived requirements. Derived requirements are

	not explicitly stated in the SRS, but are implied or adjunct to formally stated SDS requirements.
Function	What the component does, the transformation process, the specific processed inputs, the used algorithms, the produced outputs, where the data items are stored, and which data items are modified.
High Level Architecture	The internal structure of the component, its constituents, and the functional requirements satisfied by each part.
Dependencies	How the function and performance of the component relate to other components. How this component is used by other components. The other components that use this component. Interaction details such as timing, interaction conditions (such as order of execution and data sharing), and responsibility for creation, duplication, use, storage, and elimination of components.
Interfaces	Detailed descriptions of all external and internal interfaces as well as of any mechanisms for communicating through messages, parameters, or common data areas. All error messages and error codes should be identified. All screen formats, interactive messages, and other user interface components (originally defined in the SRS) should be given here.
Data	For the data internal to the component, this field describes the representation method, initial values, use, semantics, and format.
Needed improvement	Description of the needed improvement to the tool, that are foreseen during the project in order to fulfill user requirements