

GEOSS

Short description	T7.4 GEOSS
Type of community	Thematic Services
Community contact	Mattia Santoro
Interviewer	Enol Fernandez del Castillo
Date of interview	2018. 3. 20 , 2018. 5. 16 , 2018. 5. 31
Meetings	
Supporters	

User stories



Instruction

Requirements are based on a user story, which is an informal, natural language description of one or more features of a software system. User stories are often written from the perspective of an end user or user of a system. Depending on the community, user stories may be written by various stakeholders including clients, users, managers or development team members. They facilitate sensemaking and communication, that is, they help software teams organize their understanding of the system and its context. Please do not confuse user story with system requirements. A user story is an informal description of a feature; a requirement is a formal description of need (See section later).

User stories may follow one of several formats or templates. The most common would be:

"As a <role>, I want <capability> so that <receive benefit>"

"In order to <receive benefit> as a <role>, I want <goal/desire>"

"As <persona>, I want <what?> so that <why?>" where a persona is a fictional stakeholder (e.g. user). A persona may include a name, picture; characteristics, behaviours, attitudes, and a goal which the product should help them achieve.

Example:

"As provider of the Climate gateway I want to empower researchers from academia to interact with datasets stored in the Climate Catalogue, and bring their own applications to analyse this data on remote cloud servers offered via EGI."

No.	User stories
US1	
US2	
...	

Use cases



Instruction

A use case is a list of actions or event steps typically defining the interactions between a role (known in the Unified Modeling Language as an actor) and a system to achieve a goal.

Include in this section any diagrams that could facilitate the understanding of the use cases and their relationships.


Step	Description of action	Dependency on 3rd party services (EOSC-hub or other)
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UC1		
UC2	...	
...		

Requirements

Technical Requirements

Requirement ID	EOSC-hub service	GAP (Yes/No) + description	Requirement description	Source Use Case
Example	EOSC-hub AAI	Yes: EOSC-hub AAI doesn't support the Marine IdP	EOSC-hub AAI should accept Marine IDs	UC1
RQ1	EOSC-hub AAI	No	Authenticate users to the portal using OpenID Connect	
RQ2	Cloud Compute	No	Create VMs for hosting the portal database	
RQ3	Cloud Container Compute	Unclear: Managed Kubernetes offered as alternative platform to AWS ECS, still requires deeper evaluation from the TS to understand if there are gaps	Current solution running on AWS ECS, need an alternative solution on EOSC-hub that can provide the same functionality.	
RQ4	Cloud Compute /Cloud Container Compute	Yes: EC3 able to spawn scalable Hadoop as needed, still missing HBase. Not packaged as a service currently	Need for a Hadoop/HBase as a Service that is able to scale with demand	
RQ5	Cloud Container Compute /EGI HTC	Yes: although similar functionality can be achieved with open source components on top of the existing services, the architecture of the application will need to be adapted. Further evaluation of the services from the TS developers is required to understand additional gaps	Provide a similar service to AWS Beanstalk for running job-like applications with containers that are triggered with messages sent via AWS SQS	
RQ6	Cloud Compute /Cloud Container Compute	Yes: no function as a service is provided in the EOSC-hub	Use of AWS Lambda (python, java, and js) for lightweight computation and triggered via events	

Requirement number	Requirement title	Link to Requirement JIRA ticket	Source Use Case
Example	EOSC-hub to provide an FTS data transfer service	 EOSCWP10-21 - Jira	UC1
RQ1			

Capacity Requirements

EOSC-hub services	Amount of requested resources	Time period
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