# Infrastructure

## Overview

This documents is part of a consultation described here: [link].

From the previous consultation with user stories we have derived following high level requirements:

- Storage & ITresource [35,60,109]
  - Which storage? [60]
  - What services? [35]
  - What infrastructure? [109]
- Security
  - How secure is the storage (security level)? - [82, 83, 81, 48, 28]
    - What processes are in place? [40]
- Reuse
  - Deployment scenario [16]

Please help us:
- Break down existing requirements into more specific requirements,
- Add missing requirements,
- Provide examples of existing models, vocabularies, etc. that can be used to model these.

Please provide your suggestions below.

## Requirements

Please provide specific requirements here. What **specific** fields / information you expect to have in the model.

## Models

Please provide here links to existing models that could be reused.

| Existing model | Notes |
| --- | --- |
| | |

| Open Service Broker API (OSBA) | Not a model but an industry-driven interface definition for provisioning services from different service providers (e.g. private or public cloud). Service brokers implementing the OSBAPI can return a catalog of services and plans, representing different tiers of services associated with different QoS metrics and cost. Further they provide a standard interface to create a service instance at the service provider and implement means of gaining service access details. Example services: Database, Wiki, Cloud Storage, etc. |
|---|---|
| Storage Service Definitions WG | "This working group is involved in creating well-defined terms that describe storage services, especially in the areas of Quality of Service and Data Life-cycle. These terms should describe what the users (the scientists) can expect from the storage service, allowing them to compare different storage options and choose where to store their data with some confidence at how the storage service will behave. [...]" |
|  |  |

# Other comments

Please put here all ideas that don't fit into two upper sections.

https://equipment.data.ac.uk

# Contributors

Please leave a provenance trail if you have contributed :)
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