

OSCARS Consolidation Workshop:

The service and data storage portfolio of the PaN cluster

What is a service?

- As per ITIL framework, a **service** is defined as a means of delivering value to customers by facilitating outcomes they want to achieve, without the customer having to manage specific costs and risks. Essentially, a service helps customers reach desired results while minimizing the burden of handling the underlying processes or resources.
- To consider **Software as a Service (SaaS)** there are certain conditions to be met ex. Hosted in cloud or USED through web browser than being installed on the local machine of the end user
- To consider **Data as a Service (DaaS)** there are certain conditions to be met ex. Centralised storage, on demand access etc.

What is PANOSC portfolio status?

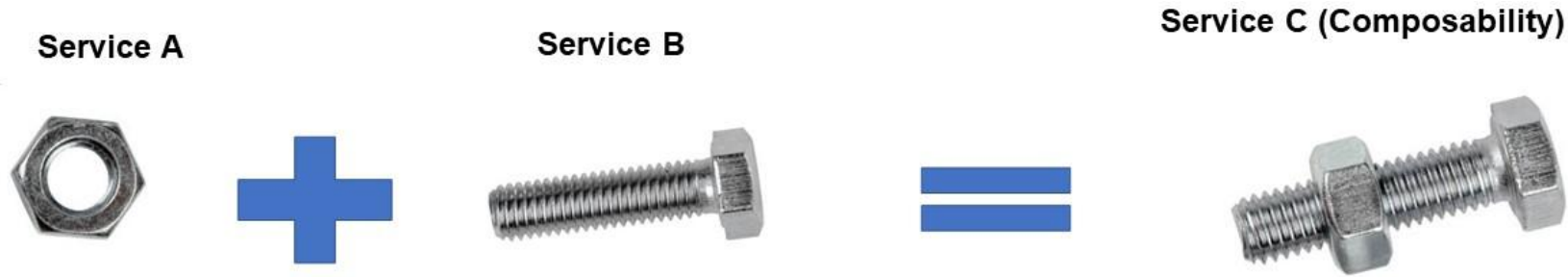


- **190 services** (specific purpose + general purpose services)
- **160 software:** to be verified if these software can be considered into *Software as a Service* category (SaaS)
- **110 data sources:** to be verified if these data sources can be considered into *Data as a Service* category (DaaS)

Within the PaN community, service developers can be categorized into two groups:

- **Highly specialized services** used by scientists for very specific data analysis and/or visualisation or other tasks, e.g. CrystFEL for serial crystallography analysis and visualization
- **General infrastructure services**, e.g. VISA that provides remote access to computing resources, data repositories

Possible definition of composability



Service A developers should be willing to customize their service to make it composable with Service B and vice-versa.

Hence, it is important that the service is active and supported by the developers

Which services with composability potential can already be identified?



- VISA Service + DOI resolved EOSC Data transfer service (CERN FTS) composability work started in EOSC Future and can be consolidated in OSCARS.
- Possible demonstrator of a PaN Data Lake using EOSC Data transfer service?

Which challenges or obstacles do you foresee?



- getting changes applied to a service that should be composed (developers still active?)

Gap analysis



- support level not yet listed, but will be needed
- TRL often hard to determine for externals (discussions with RIs ongoing)