

PUNCH MB - 26.6.2023

Recap:

TA2 Overarching Goals

- Establish federated compute and storage
- Based on existing structures and products, build new things only when nothing is there and feasible in the given resource frame
- Offer interfaces and entry points based on available tools, infrastructure and resources

How to get to such (distributed) infrastructure

- Coordinate agreements on standard set of features.
The more specific the demands are, the less resource providers can provide it. Federation becomes less beneficial.
C4P: Cobald/Tardis, S4P: dcache or xrootd based
- Common AAI is key; TA2: Use and test Common PUNCH AAI
- Orchestrate decision on how infrastructure can be used (entry points, protocols)
S4P: WebDav, xrootd; C4P: batch (needs container), JupyterHub

Testing and commissioning

- develop meaningful tests for S4P, C4P and combined system S4P+C4P (caching)

Workflows & Application

- Need to be tailored to available set of features
- Too specific or demanding applications/workflows are not suited for a federated infrastructure

Needs from other TAs

TA7:

- Help to educate the community to use PUNCH enabled infrastructure

TA6

- AAI solutions
- Inter-operability between PUNCH AAI and existing AAI solutions
- Tools and data to be released in a way that integration with federated infrastructure is possible without major adoptions

TA5

- Fancy dynamic archives in a compatible with federated infrastructure

TA4

- Research Data Product: define how DOIs are managed for data, software, (execution?), derived data products
- Use access / portal : provide a toy model scenario which allows to explore the relation between interfaces offered by TA2 and portal
- Ideally catalogue services to discover data and datasets (needs to become more specific regarding APIs and features!)

TA3

- Applications and workflows in a federated infrastructure way
- facilitate creation of workflows which can run on C4P based on containers, create example containers for very common workflows (e.g. load workflow description at execution)