

DSIT WP1 WP2

Federated AAI and Federated Storage



AAI National Level



- Collaboration with DFN
 - Meeting with DFN-CERT in Hamburg 11.12.2014
 - No problem with Web Browsers
 - nothing to discuss
 - However not used frequently (according to DFN)
 - LSDMA can use the Online CA for Web Portals (SLCS)
 - This is using DFN soap API
 - Sufficient to present an SAML from an IdP (German Federation).
 - No communication between DFN and IdP needed.
 - Request to provide OAuth support was rejected.
 - We would have to run an OAuth/MyProxy to support those service (e.g. GLOBUS ONLINE)

AAI Europe



- On the European level
 - KIT (Marcus) joined the new AARC project
 - DESY/dCache provides the AAI lead (Paul) within the EGI Fed Cloud
 - Documenting Robot Certificates (Per User Sub-proxy mechanism)
- Both efforts ensure that LSDMA isn't in isolation and will **integrate well with the rest of Europe, and beyond.**

- Authentication has been configured for all the users from the DFN AAI federation. The users from the KIT and Jülich IdPs have already tested the authentication.
- Google authentication is also enabled for the homeless users, although not needed by LSDMA
- Registration form has been designed and created a relevant attribute translation profile to register the DFN users, along with their external attributes (e.g. ePPN, ePTID)

- Generalize input attribute translation profile enough to register the users with no attributes or minimal number of attributes or even only the anonymous identifiers
- Identification and integration with the LSDMA SPs
- Definition of a fixed set of user's attributes, that will be delivered to the SPs in order to better enforce resource/service level authorization (dependent on the previous item)
- Maintain the Unity instance, which serves EUDAT and LSDMA users simultaneously but are segregated in different groups (to avoid repetition this item is also applicable for the past and current activities)

WP2 (everything about storage)



- Successful Master Thesis by Student from HTW Berlin on CDMI in dCache. (Nov '14)
- Moving forward getting NFS 4.1 / pNFS into production for the DESY CMS Grid Worker-nodes
 - Still finding issues in dCache and in the Linux Kernel
- Putting DESY cloud into pre production
 - Based on dCache and OwnCloud
 - Fully integrated into the DESY infrastructure concerning AAI
 - Available for selected DESY Groups
- Moving forward making dCache available via CDMI for MoSGrid and VAVID (Richard G.)
- KIT and DESY became (big) part of the INDIGO-DataCloud project (Cheat Sheet next slide)

dCache meets ownCloud via NFS 4.1 / pNFS



dCache Backend Storage Layer

Cheat Sheet on INDIGO DataCloud

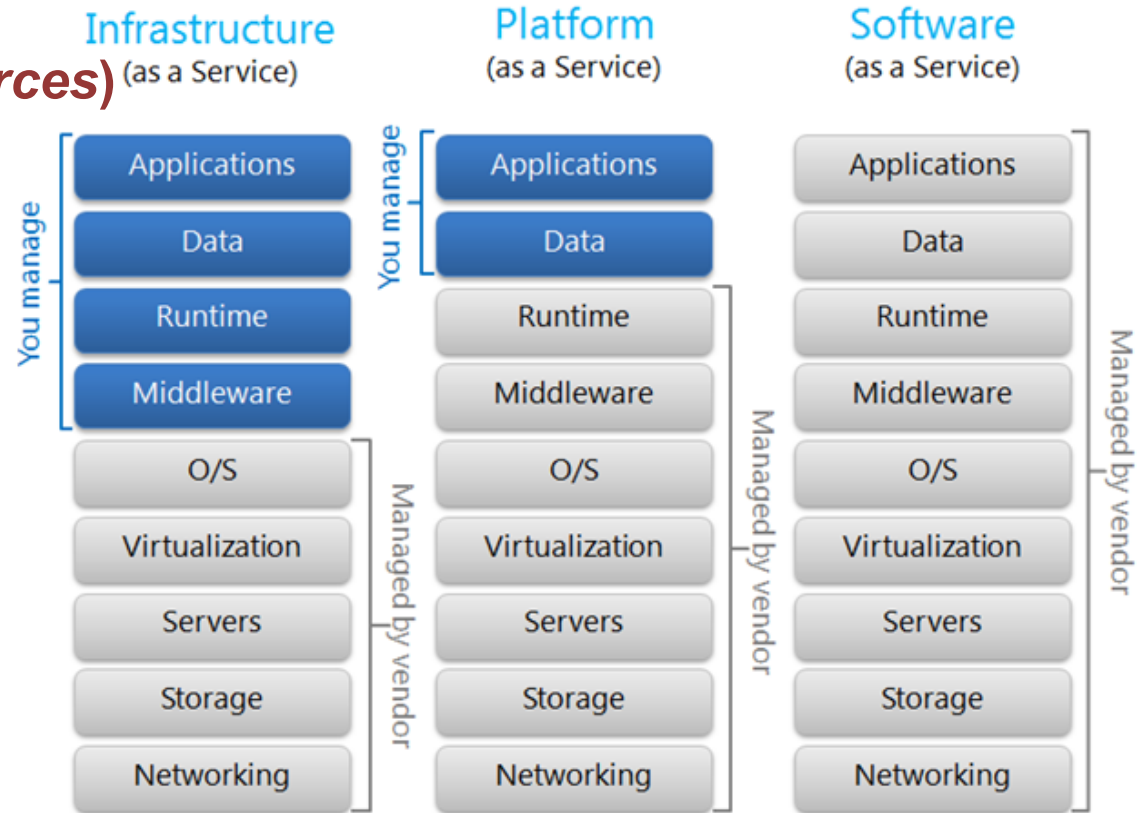
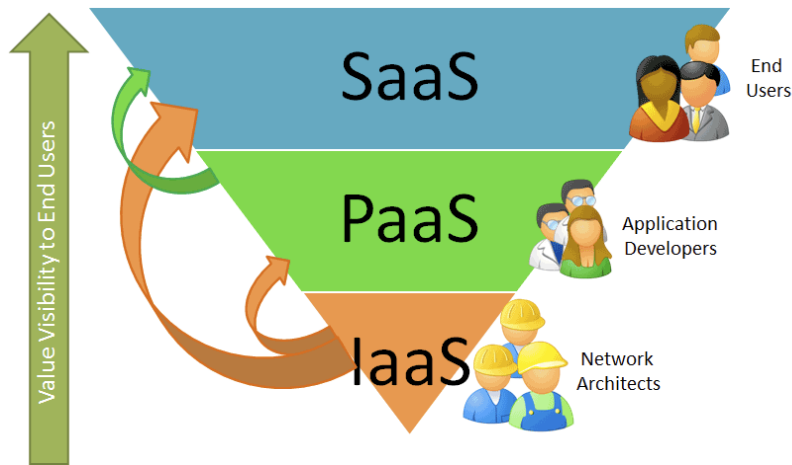


- Horizon 2020 project starting April or May
- Budget 11.1 Million Euros (800.000 for dCache)
- 26 Partners
- Duration 30 months
- The project aims for an Open Source Data and Computing platform targeted at scientific communities, deployable on multiple hardware, and provisioned over private and public e-infrastructures.

INDIGO-DataCloud

1. Self-service, on-demand
2. Access through the network
3. Resource pooling
4. Elasticity (with *infinite resources*)
5. Pay as you go

In the end,
Applications Rule.



Stolen from Davide Salomoni
(Project Director)