Virtual Organization -as a Service

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AARC kickoff

Amsterdam, June 3, 2015

Goals

- *Investigate* the conditions that would allow providing services to support Collaborative or Virtual Organizations

  - Preparatory work for GN4 where this is a service delivery activity

  - Focus on delivery of Technical services (IAAS or PAAS)

  - Policy & LOA development etc are out of scope

- *Deploy* services based on findings

Requirements:

- Gather highlevel & common requirements from/with communities

- Look at existing tools and technologies

- Operations and Market

- Look into delivery model

- Investigate business case & sustainability

VOs investigated for Requirements:

FIM4R paper, Umbrella, CLASSe, DARIAH, CERN, CLARIN, Virtual Campus Hub, GEANT AuthZ Management System, ELIXIR

Deliverable (RSN):

- Market Analysis (whitepaper) on findings and direction of VOpaas

Deploy

Services:

- 6 'core' services
- A phased approach (2 years)
- Also work on enabling generic collaborative services

Deploy infrastructure:

- Set up managed infrastructure to allow VOs to focus on *using*, *not building* AAI services
- 'As a service' offering, so management GUIs needed
- Infrastructure itself will need AuthZ and AuthN

Run Pilots:

- Run pilots on production platform with community

Core services – DRAFT!

Phase 1 (Year 1)

- Membership management / onboarding users
  -> VO specific workflows
  -> provides per VO persistent ID
  -> Account linking w/ eduGAIN & extIDp

- extIDp (external ID provider) w/ BYOLOA support
  -> single SAML endpoint for external IDs (social/bank/stork/etc)
  -> Let a VO define its own LOA on a per IDp basis
  -> Transactional; does not store account information
  -> fallback when account is 'lost'

Core services – DRAFT!

Phase 2 (Year 1)

- VO specific Attribute management
- VO specific Group management
- A proxy for aggregating data from core services

Phase 3 (Year 2)

- Step-up as a Service
- Possibly: Services developed in Research projects like GN4 JRA3, AARC, etc.

Some ideas & considerations

- **Registries, not applications**
  -> The core feature of the services is its Registry & API.
  A default GUI for data entry will be provided, but BYOGUI is also possible

- Also work on **enabling generic collaborative services**, either by working with providers, or running 'content-less' services ourselves

- Allow NRENs / VOs to offer **value added services**

Collaboration with AARC

- Run Pilots in close collaboration with AARC
    - Shared topic space
    - Shared Expertise
    - Shared People

    Let's NOT duplicate work

Activities
(even more DRAFT then previous slides!)

2015:

End of Aug	Market Analysis
Sept	Pilot preparations
Nov	Begin with Pilot phase 1

2016:

Apr	Begin with Pilot phase 2
Aug	Begin with Pilot phase 3

Thank you!

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