Deliverable DNA3.3
Recommendation for service operational models for enabling cross-domain sustainable services

Peter Gietz, David Hübner, Heiko Hütter,
NA3
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Summary

• Part 1: Framework to define sustainable services
  – Guidelines to operate services in a sustainable way
  – Template to evaluate services

• Part 2: Policy Recommendations
  – For national research and education federation operators
  – For research and e-infrastructure service providers
• Basically we now have two texts:
  
  - A first longer (28 p) version that
    • Gives a detailed report on the policy survey (The current landscape of R&E federations wrt governance and policies)
    • And then has a more elaborated Framework for research projects to develop a service operational model
    • https://docs.google.com/document/d/192eP5PixHklcGrs1AG4lv68p0V-brVG1ecobd8rQp6U/
  
  - A second sort of rewrite (12 p) that
    • Has a revised Version of the Framework / Template
    • Has only a summary of the policy survey
    • Gives a number of recommendations for SPs and for federation operators
    • https://docs.google.com/document/d/1wOPjCCiRxk1fTfo8xAw7AeIJJ0dEgBsb5DuBdEje844

• Question: does it make sense to put the survey Text of version 1 into a appendix in version 2
Part 1:
Framework to define sustainable services
Framework to define sustainable services

• Five critical aspects to consider

Thanks to Gerben Venekamp for this diagram
Framework to define sustainable services

• 1. Use Case and User base
  - What is the service about?
  - Estimated user base?
  - Existing services?

• 2. (Service) Operator
  - Who should operate the service? Why?
  - Who does training/support/promotion?
  - Basis for the operator to estimate costs
Framework to define sustainable services

• 3. Sponsor / Funding model
  – What are the plans for long term cost recovery?
  – Risks?

• 4. Governance, policies and processes
  – Specific policy/security aspects to consider?
  – Availability requirements?
  – Monitoring? Accounting? Documentation?

• 5. Service implementation
  – What is the current architecture?
  – What elements compose the service?
  – Required Equipment?
Framework to define sustainable services

• Template with questions for these five aspects

• Aims:
  – assess compatibility with federated IdM infrastructure(s)
  – assess sustainability of services
  – explore deployment scenarios
  – estimate costs and efforts to run the service

• Some questions might be difficult to answer in early project phases

• Difficult to find questions that apply to all services

• Selected AARC pilots were asked to fill out the template

• Template is still work in progress
Framework to define sustainable services

• Already some answers
  − LDAP Facade
  − Social IDs to SAML proxy
  − WATTS

• Generally good answers
  − Use case and user base
  − Operator (especially initial costs)
  − Service implementation

• Problematic aspects
  − Sponsor / Funding model (especially long term cost recovery)
  − Governance, Policies and processes
Todos in this part of the document

• We only have the AARC RCAUTH service as example pilot, with filled out template, yet, and that is not in-line with the new set of questions

• We need a space in the document for the Guest IdP risk analysis.
  
  – I propose to first fill out the template for the Guest IdP running productively in DARIAH (although not an AARC pilot)
  
  – then add language from the two JRA1 documents that should be included into NA3.3:
    
    • Enabling Guest Identity Access to Services
    • Managing Risks of using guest Identities

• Should’t we put all the answers (RCAuth, LDAP Facade, Social IDs to SAML proxy, WATTS) in an appendix and just put a summary in the actual text
Part 2: Policy Recommendations
Policy Recommendations
National Research and Education Federation operators

• Only aspects that have implications for SP are considered
• Interviews with different federations operators
• Changing policies takes time & effort
• Limit policy recommendations to most important ones
Policy Recommendations
National Research and Education Federation operators

- Support eduPersonUniqueID as unique identifier
- Consume eduGAIN metadata
  - Instead of adding services manually
- Promote adoption of R&S entity categories
  - To standardize attribute release
- Ensure that home organizations do not reuse user identifiers
- Promote and support participation to Sirtfi to handle incident response
- eduGAIN should create a support virtual desk
Policy Recommendations
Research and e-infrastructures service providers

• Recommendations for service providers:
  - support CoCo whenever possible
  - comply with Sirtfi
  - apply for R&S entity category
  - be prepared to handle user identities with low or no assurance
  - be prepared to manage users relying on social IdPs
  - follow REFEDS discovery guidelines

• Two proposals:
  - Have an extra recommendation on LoA (by now it is handled at the zero LoA recommendation). Is Espresso and Cappuccino ready for being recommended to SPs?
  - Have a recommendation on (not or only carefully) joining more than one federation
Thank you
Any Questions?

info@daasi.de

https://aarc-project.eu

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