WISE SCI updates at EUGridPMA 54

Tuesday, 25 January, 2022   11:04

Wise Information Security for collaborating e-Infrastructures

**WISE SCI v2 evolution
(at EUGridPMA meeting 25-27 Jan 2022)**
David Kelsey, Ian Neilson
(STFC-RAL, UK Research and Innovation, 25 Jan 2022)

WISE COMMUNITY

In collaboration with and
co-supported by EU H2020 GN4-3, EGI-ACE &
EOSC Future (and national projects)

https://wise-community.org

WISE/SCI at EUGridPMA (28 Sep 2021)

WISE COMMUNITY

- SCI-WG
  - Complete the HowTo Guidance on maturity assessment
    - & encourage Infrastructures to perform self-assessment
  - Produce updated policy templates from AARC PDK
- Ian Neilson gave a separate presentation on the HowTo Guidance
  - https://indico.nikhef.nl/event/3280/contributions/11432/attachments/519 1/6317/202109-EUGridPMA.pdf

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Development of AARC PDK by WISE SCI-WG (Sep 2021)

WISE COMMUNITY

- Involve the widest experience from many Infrastructures and policy groups
- Infrastructures using/considering the AARC PDK include
  - EOSC-hub, EOSC Future, IRIS(UK), EGI, ELIXIR, WLCG, SLATE(USA), FZJ, …
- Policy templates are useful to new Infrastructures and help build trust and interoperability (compliant with SCI Trust Framework)
- WISE SCI will collect feedback from Infrastructures
  - And use this if/when a new version of a template is required
- Unlike AUP, new templates may contain optional components
  - Infrastructures just use the components that work for them
  - Or indeed have several different templates (loosely coupled, tighter, …)

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Which policies to work on first? (Sep 2021)

- Security of Service Operations
  - And EOSC Baseline security
- Community Operations
- Top-level Security Policy?
- Update the WISE Baseline AUP (a version 2)
  - Include input from Trusted CI
- Data Privacy (GDPR etc)
- Identity Management/Assurance

WISE SCI & PDK

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Policy Development Kit
Hannah Short (CERN)
WISE and SIG-ISM, Virtual 2021
(At WISE Community Meeting 27 Oct 2021)

Today

- Intro to the Policy Development Kit
- Evolution
- Feedback & Questions
- Working Session

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Policy Development Kit - Background

- In 2017 the AARC project highlighted Policy training as a priority, the AARC2 project tasked with providing it!
  - Interest from additional groups e.g. WISE, EUGridPMA
  - SCI refers to the need for multiple policies but no concrete examples provided
  - Research Communities were asking for help getting started with policies and related documents (this has continued...)
- Since then
  - Published PDK https://aarc-community.org
  - Agreed to be maintained by WISE
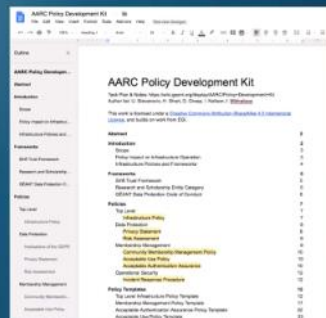 - Practical experience gathered

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Policy Development Kit - Process

- Majority of structuring and editing by AARC participants
- Input from wider community through WISE and IGTF
- Members of EOSC-Hub policy task were "volunteered" to review individual policy templates

Policy Development Kit - Content

- Which policies? Work backwards from SCI
  - Top level policy
    - Operational Security
    - Membership Management
    - Data Protection

- Sources of inspiration?
  - EGI
  - CTSC
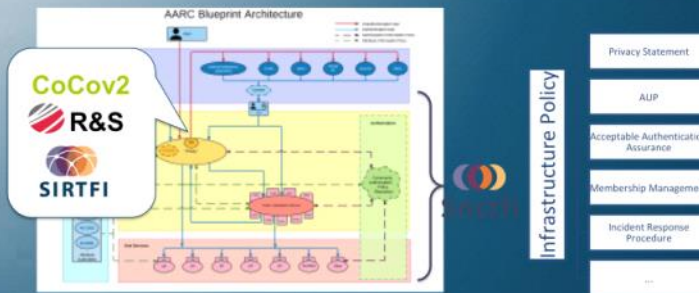 - ELIXIR
  - ...

Operational Security

Membership Management

Data Protection

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Policy Development Kit - Content

Actually, the policies can be applied much more broadly as we will see...

*The policies presented are relevant for an **Infrastructure operating a Service Provider Proxy** that represents the bound set of services in an identity federation. The policies are to be adopted by the Infrastructure itself and, where appropriate, additional policies are suggested for Infrastructure participants such as Services, User Community Management or Users. The Infrastructure may be for the sole use of a single Research Community, or may provide computing services to multiple Research Communities; the policies presented are designed to be flexible.*

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Policy Development Kit - Content

AARC Blueprint Architecture

CoCov2
R&S
SIRTFI

Infrastructure Policy

- Privacy Statement
- AUP
- Acceptable Authentication Assurance
- Membership Management
- Incident Response Procedure
- ...

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Policy Development Kit - Content

		Management	Infrastructure Security Contact	User Community Management	Service Management	User
Top Level	Infrastructure Policy	Defines & Abides by	Abides by	Abides by	Abides by	
Data Protection	Privacy Statement	Defines			Defines	Views
	Policy on the Processing of Personal Data	Defines	Abides by	Abides by	Abides by	
Membership Management	Community Membership Management Policy	Defines		Abides by		
	Acceptable Use Policy	Defines		Defines		Abides by
	Acceptable Authentication Assurance	Defines		Abides by	Abides by	
Operational Security	Incident Response Procedure	Defines	Abides by		Abides by	

Also: Secure Service Operations

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Policy Development Kit - Use

- Training course on the GEANT e-Academy
- Templates available directly from the AARC Website
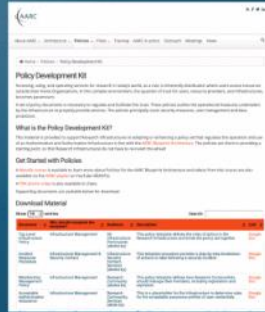
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Evolution

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Evolution

			https://hifis.net/doc/helmholtz-aai/policies/
			https://docs.google.com/document/d/10DBkPr_zWpFJPWTav8SMw61IVExIU0349pUkBl9cLjw/edit#
			https://www.iris.ac.uk/wp-content/uploads/2021/05/IRIS-Service-Operations-Security-Policy.pdf

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Comparison table

- Work done by Ian N to compare the PDK version with IRIS and EOSC
- Key changes pulled out for discussion later :)
- https://wiki.geant.org/display/WISE/Policy+Development+Kit

AARC PDK – 7 + 3 sub clauses, 417 words	IRIS – 10 clauses, 336 words	EOSC Baseline (as of 30/09/2021) – 13 clauses, 444 words
By running a Service, you agree to the conditions laid down in this document and other referenced documents, which may be subject to revision. You shall comply with all relevant Infrastructure Policies [R1]	Each Service Provider must	All EOSC Service Providers, directly connected Identity Providers, and AAI Proxies, must
1. You shall provide and maintain accurate contact information, including at least one Security Contact who shall support Sirtfi [R2] on behalf of the service.	1. collaborate with others in the reporting and resolution of security events or incidents arising from their Service's participation in the Infrastructure and those affecting the Infrastructure as a whole [R3][R4].	1. comply with the SIRTFI security incident response framework for structured and coordinated incident response 3. collaborate in a timely fashion with others, including the EOSC Security Team, in the reporting and resolution of security events or incidents related to their Service's participation in the EOSC infrastructure and those affecting the EOSC infrastructure as a whole.

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Current work (as of 27 Oct 2021)

- WISE SCI working group has restarted
- Meeting roughly every 2 weeks
- Partially triggered by CS3MESH who would like help before Christmas (thanks for being here!)
- Focusing on Service Operations Security Policy
  - Lots of interest in Infrastructures having clear policies about what is required for participating services
- https://wise-community.org/policy-development-kit/

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WISE SCI-WG meeting – 24 Jan 2022

- Finalised draft Service Operations Security Policy template
- Discussed and agreed the next policy area requiring our attention
  - Data Protection, Privacy, GDPR etc
- Will start by performing a survey and summary of all known activities in this area
  - Update the AARC Guidance documents (G016, G042)
    - Deliverables: AARC DNA3.5 & AARC2 DNA3.1
- Decide whether (or not) to produce an updated policy framework template (or just updated guidance)
- More on this on Thursday 27 Jan 2022 at this EUGridPMA meeting

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(also take a step back looking at privacy also in other areas of the world, not just GDPR in Europe)

Final Draft Secure Service Operations Policy

https://docs.google.com/document/d/1oO2OsBG99Wf3ecvjU28qma4ubyzpBJgMIB9JvKpz6Ck/edit?usp=sharing

- Text now (Jan 2022) completed (by SCI-WG)
- Full consultation about to start (WISE, AEGIS, IGTF, etc)

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Discussion

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