



Trust & Identity Incubator Status Notifications activity

Mihály Héder

Sprint Demo, 2020-07-2

Public

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Overview

- Several tools reporting the status of the eduGAIN metadata:
 - Quality of the metadata (contacts, urls, etc)
 - Connection status of SPs and IdPs
 - Entity categories
 - Attribute checks (live interaction)
- Current tools (mostly relying on the eduGAIN metadata itself)
 - CoCo monitor
 - ECCS (eduGAIN Connectivity Check Service)
- Status intake is considered lackluster:
 - Data is not always readily available
 - Somewhat tedious to “sift” through the data
 - Irregular checks
- No automated notifications

Show SPs with status: green white yellow red Show all records

entityID	registrationAuthority	DisplayName	First seen	Last seen	CoCo found	Status	Comment	PrivacyStatementURL	Status code	Status text	Con typ
SP data						Last test results					
				Last 30 days	Yes	All					
http://dev-us.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-11-09 03:07:38	2019-12-17 03:10:44	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://dev.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-09-15 03:07:33	2019-12-17 03:10:43	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://is.liu.se/adfs/services/trust	http://www.swamid.se/	Linköping University	2014-11-14 03:07:14	2019-12-17 03:10:37	Yes	All attributes present, privacy statement has a...		https://liu.se/en/article/policy-for-hantering-av-...	200	OK	text/
http://fse.eduni.fi/adfs/services/trust	http://www.csc.fi/haka	Eduuni	2015-04-22 03:13:20	2019-12-17 03:10:30	Yes	All attributes present, privacy statement has a...		https://wiki.eduni.fi/display/info/Eduuni+Priva-...	200	OK	text/
http://local.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-09-15 03:07:33	2019-12-17 03:10:44	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://prestaging.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-09-15 03:07:31	2019-12-17 03:10:43	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://scalgo.com/ssl/wayf	http://www.wayf.dk	SCALGO Live	2018-08-11 03:08:04	2019-12-17 03:10:29	Yes	All attributes present, privacy statement has a...		http://scalgo.com/en-US/privacy-policy	200	OK	text/
http://sp.lat.csc.fi	http://www.csc.fi/haka	LAT - Language Archive Tools	2013-10-01 20:35:19	2019-12-17 03:10:30	Yes	All attributes present, privacy statement has a...		https://lat.csc.fi/corpora/info/Lat_Privacy_Poli-...	200	OK	text/
http://sp.vst1.corpora.uni-hamburg.de	https://www.aai.dfn.de	HZSK - University of Hamburg	2015-05-28 14:30:51	2019-12-17 03:10:59	Yes	All attributes present, privacy statement has a...		https://corpora.uni-hamburg.de/hzsk/en/privac-...	200	OK	text/
http://staging-us.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-11-09 03:07:38	2019-12-17 03:10:44	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://staging.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-09-15 03:07:31	2019-12-17 03:10:43	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://sts.edun.govt.nz/adfs/services/trust	http://www.surfconext.nl/	EDUgropen	2015-04-25 03:41:21	2019-12-17 03:11:24	Yes	All attributes present, privacy statement has a...		https://login.edun.govt.nz/privacy	200	OK	text/
http://us.cloudmore.com/shibboleth	http://www.swamid.se/	Cloudmore	2017-11-09 03:07:39	2019-12-17 03:10:45	Yes	All attributes present, privacy statement has a...		http://web.cloudmore.com/privacy/cloudmore-...	200	OK	text/
http://www.clarin-pl.eu/shibboleth	https://www.aai.dfn.de	CLARIN-PL repository	2015-06-16 03:11:26	2019-12-17 03:11:00	Yes	All attributes present, privacy statement has a...		http://clarin-pl.eu/en/privacy-policy/	200	OK	text/
https://aai.openaire.eu/proxy/module.php/sam-...	https://aai.gnet.gr/	OpenAIRE	2018-03-15 03:12:32	2019-12-17 03:11:23	Yes	All attributes present, privacy statement has a...		https://www.openaire.eu/privacy-policy	200	OK	text/
https://acdh.oew.ac.at/shibboleth	https://www.aai.dfn.de	ACDH-OAW Services for Digital Humanities	2018-02-14 03:19:03	2019-12-17 03:11:00	Yes	All attributes present, privacy statement has a...		https://acdh.oew.ac.at/browse/privacy	200	OK	text/
https://agenda.ct.infn.it/shibboleth	http://www.idem.garr.it/	Agenda provided by INFN Catania	2015-06-13 03:12:21	2019-11-21 03:13:50	Yes	All attributes present, privacy statement has a...		http://agenda.ct.infn.it/privacy-policy	200	OK	text/
https://api.etais.ee/api-audit/saml2/metadata/	http://aai.edn.ee	ETAIS Self-service	2017-05-12 03:15:15	2019-12-17 03:09:32	Yes	All attributes present, privacy statement has a...		https://minu.etais.ee/views/policy/privacy-full...	200	OK	text/
https://arche.acdh.oew.ac.at/shibboleth	https://www.aai.dfn.de	ARCHE - A Resource Centre for Humanities	2018-02-14 03:19:03	2019-12-17 03:11:00	Yes	All attributes present, privacy statement has a...		https://arche.acdh.oew.ac.at/browse/privacy	200	OK	text/
https://archive.mpi.nl	https://www.aai.dfn.de	MPI-PL Archive	2018-01-30 03:18:13	2019-12-17 03:11:03	Yes	All attributes present, privacy statement has a...		https://sp.mpi.nl/privacy/privacy_statement.html	200	OK	text/

Records found: 148

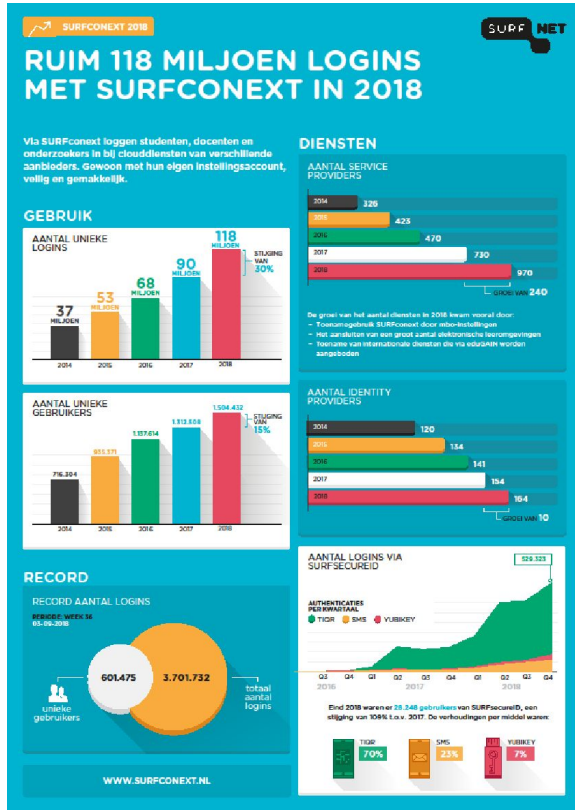
1 2 3 4 5 6 7 8 >

Shanghai Normal University	https://idp-carsi.shnu.edu.cn/idp/shibboleth	https://www.carsi.edu.cn	T. chub@shnu.edu.cn	2019-12-16 04:31:36	No-eduGAIN-Metadata	View
IRCCS Santa Lucia - Roma	https://idp-slucia.irccs.garr.it/idp/shibboleth	http://www.idem.garr.it/	T. idpcloud_service@garr.it S: grant.office@hsantalucia.it	2019-12-16 04:31:36	OK	View
PUCCAMP - Pontificia Universidade Catolica de Campinas	https://idp.puc-campinas.edu.br/idp/shibboleth	http://cafe.rnp.br	T. infra.servidores@puc-campinas.edu.br	2019-12-16 04:31:36	OK	View
HSR - Hospital Sao Rafael S A	https://idpv3-hsr.hsr.com.br/idp/shibboleth	http://cafe.rnp.br	T. marcus.lima@rededor.com.br	2019-12-16 04:31:36	OK	View
FAPCE - Faculdade Paraíso do Ceará	https://shibboleth.fapce.edu.br/idp/shibboleth	http://cafe.rnp.br	T. interatividade@fapce.edu.br	2019-12-16 04:31:35	TCP/IP-Error	View
Vilnius University	https://sso.vu.lt/SSO/saml2/idp/metadata.php	https://fedi.litnet.lt	T. sso-admin@vu.lt	2019-12-16 04:31:35	FORM-Invalid	View
UFFS - Universidade Federal da Fronteira Sul	https://cafe-02.uffs.edu.br/idp/shibboleth	http://cafe.rnp.br	T. diiti.diapi@uffs.edu.br	2019-12-16 04:31:33	OK	View
Florida State University	https://idp-staging.fsu.edu	https://incommon.org	T. obegon@fsu.edu T. rhaque@fsu.edu	2019-12-16 04:31:33	FORM-Invalid	View
INMETRO - Instituto Nacional de Metrologia Qualidade e Tecnologia	https://cafe02s.inmetro.gov.br/idp/shibboleth	http://cafe.rnp.br	T. epmatoes@inmetro.gov.br	2019-12-16 04:31:33	OK	View
UESC - Universidade Estadual de Santa Cruz	https://shibboleth.uesc.br/idp/shibboleth	http://cafe.rnp.br	T. cmacedo@uesc.br	2019-12-16 04:31:33	OK	View
UNINTA - Centro Universitario NTA	https://shibboleth.uninta.edu.br/idp/shibboleth	http://cafe.rnp.br	T. andersonbarbosa@uninta.edu.br	2019-12-16 04:31:32	HTTP-Error	View

Proposed work

- Process the data
 - Identify and extract the current issues, per entity, per federation
 - Propose solutions for identified issues (if possible)
 - Presentation of the data
- Create a notification system:
 - Emails, tickets, etc?
 - Automated notification

Example of the infographic

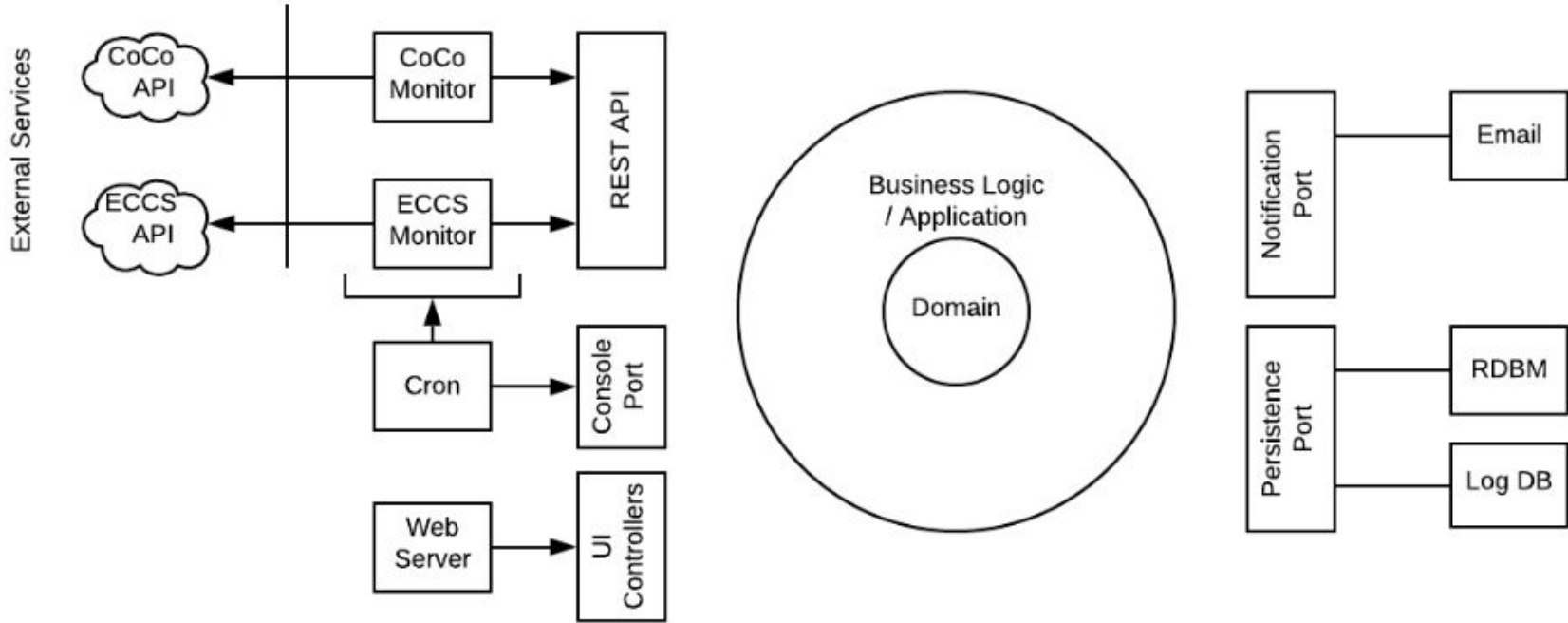


- Data per entity
 - E.g. missing contacts, urls
- Data per federation
 - Sirtfi, CoCo, etc.
- General overview



StakeHolder interviews

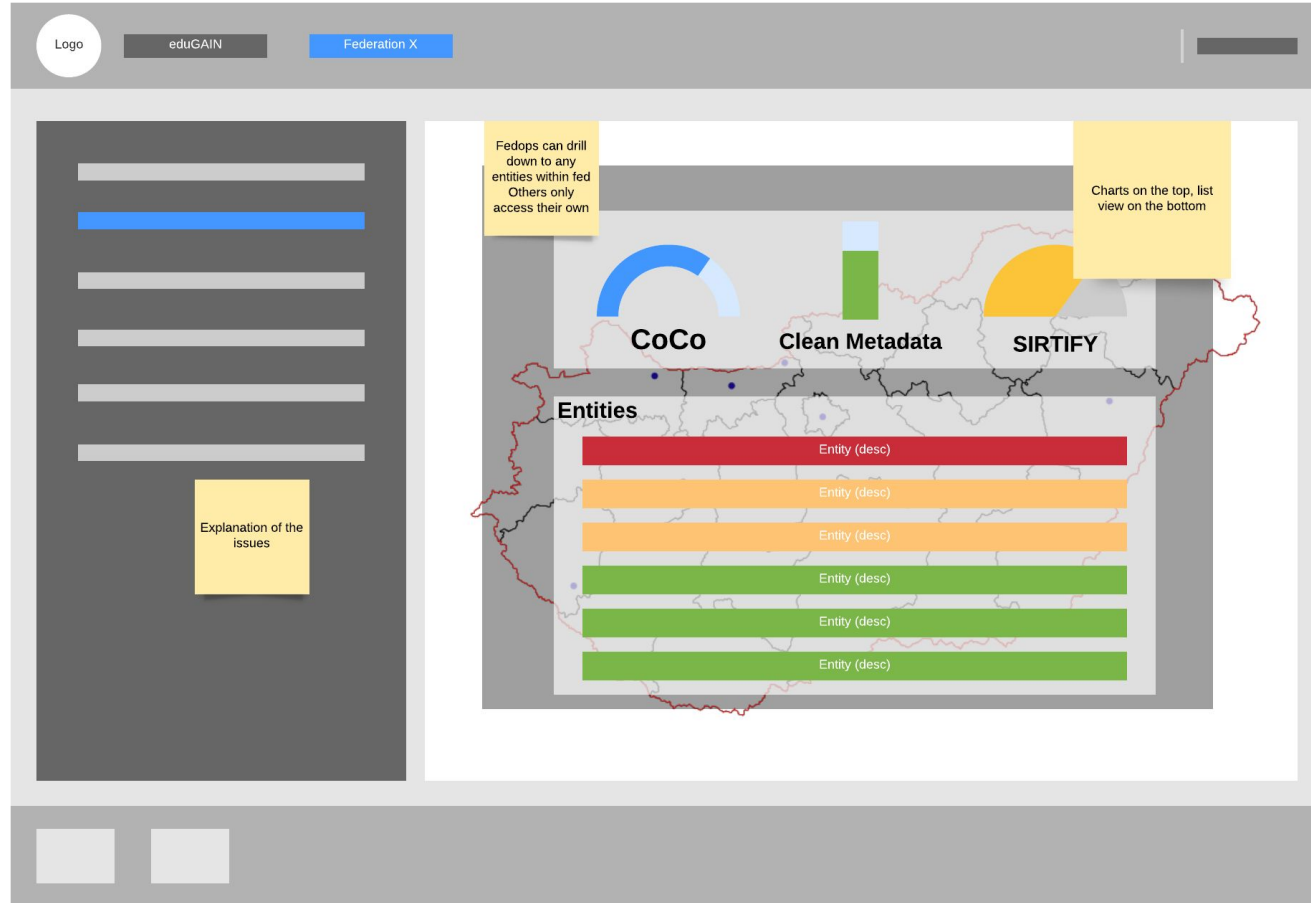
- Lukas, Thomas, Tomasz, Davide, Nicole
 - input from others
- Input collected:
 - Be nice
 - Involve federation operators
 - Stick with the “official” data (eduGAIN db)
 - Separation of monitoring (including notification) and visualization



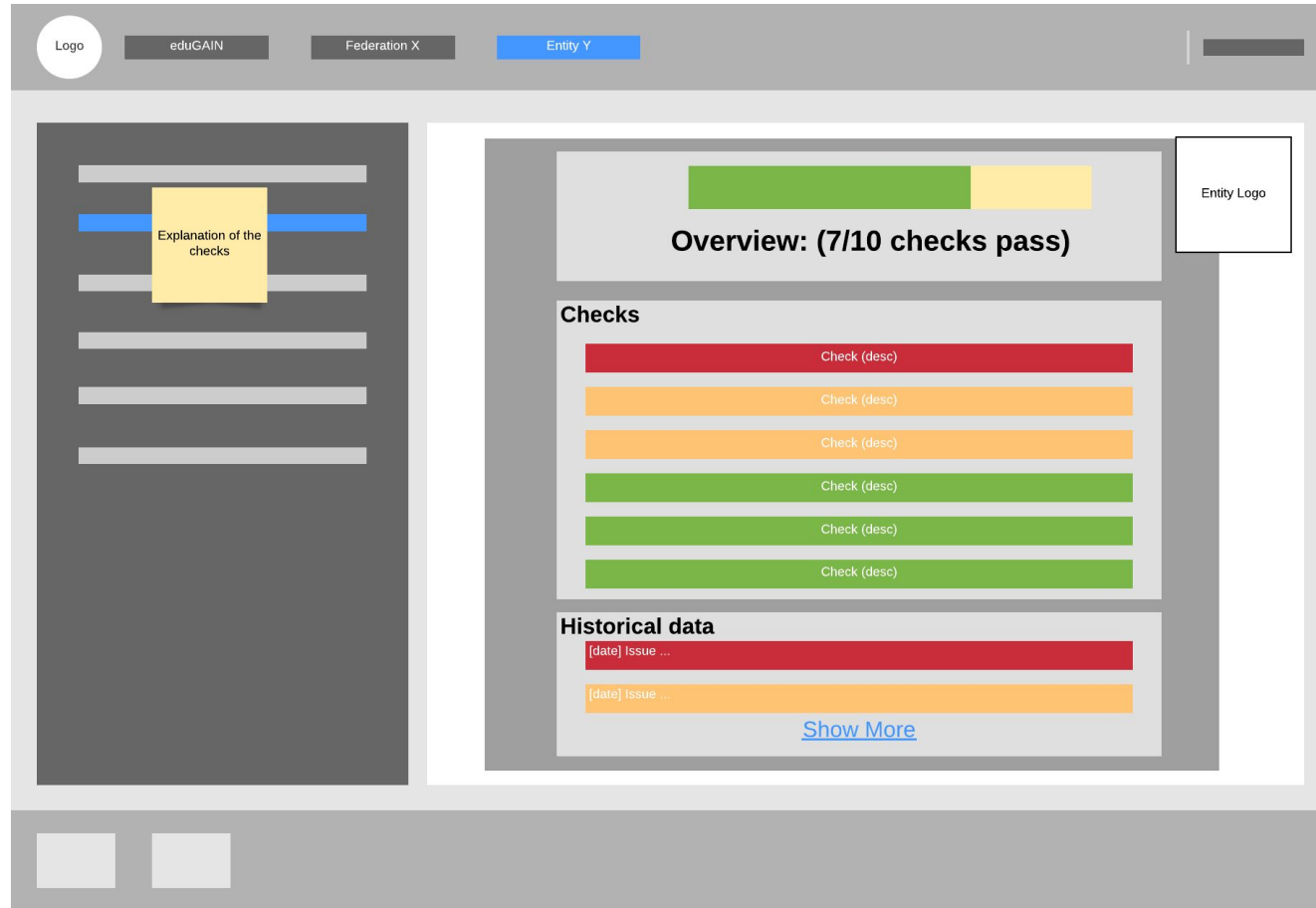
Blockframe 1: World



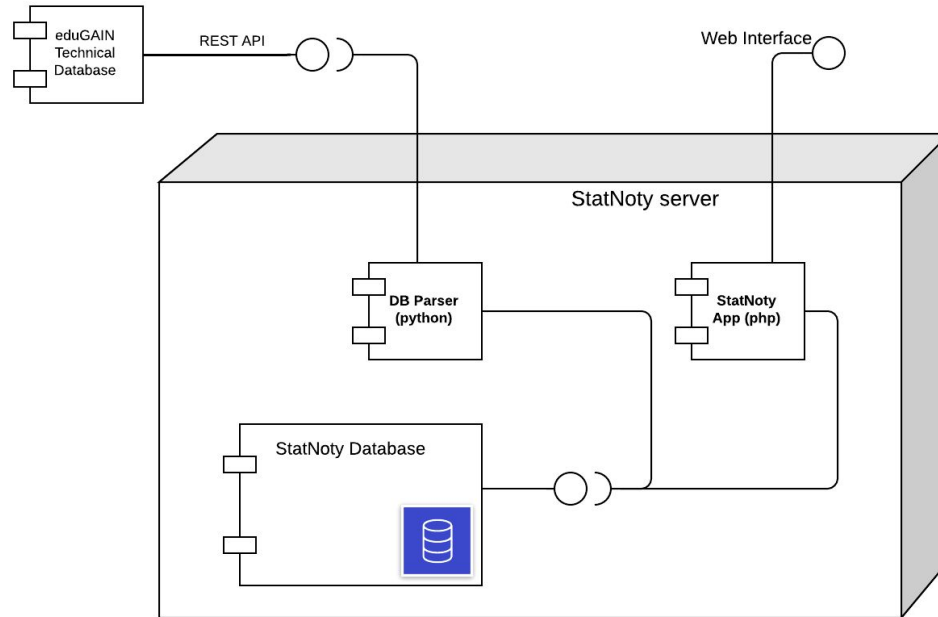
Blockframe 2: Federation View



Blockframe 3: Entity View



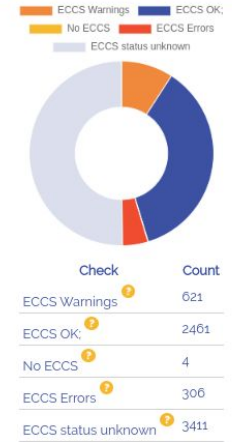
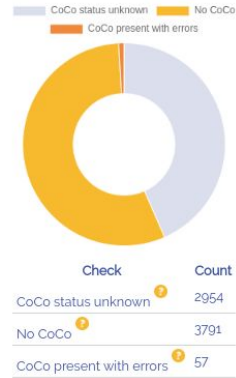
Prototype Implementation Architecture



Screenshot Time!

Welcome to StatRep

CoCo, SIRTIFI and ECCS Overview



Metadata Validation Issues

RegistrationPolicy



2289

Email Address



2007

no mduloi Logo



1367

DisplayName



1015

UllInfo



350

Welcome to StatRep

eduGAIN Issues Overview

Federation	Issues	Warning
INCOMMON (us) Federation Overview	1830	<code>md:EmailAddress in md:ContactPerson element should start with mailto: prefix</code> ²
CAFE (br) Federation Overview	168	
EEIDE (no) Federation Overview	3	
BELNET (be) Federation Overview	2	
MINGA (ec) Federation Overview	2	
IRFED (ir) Federation Overview	1	
RUNNET-AAJ (ru) Federation Overview	1	
Federation	Issues	Warning
INCOMMON (us) Federation Overview	1830	<code>mdrpi:RegistrationPolicy not found</code> ³
UK-FEDERATION (gb) Federation Overview	405	
AAIFDUMK (mk) Federation Overview	32	
FIDERN (zm) Federation Overview	5	

Welcome to StatRep

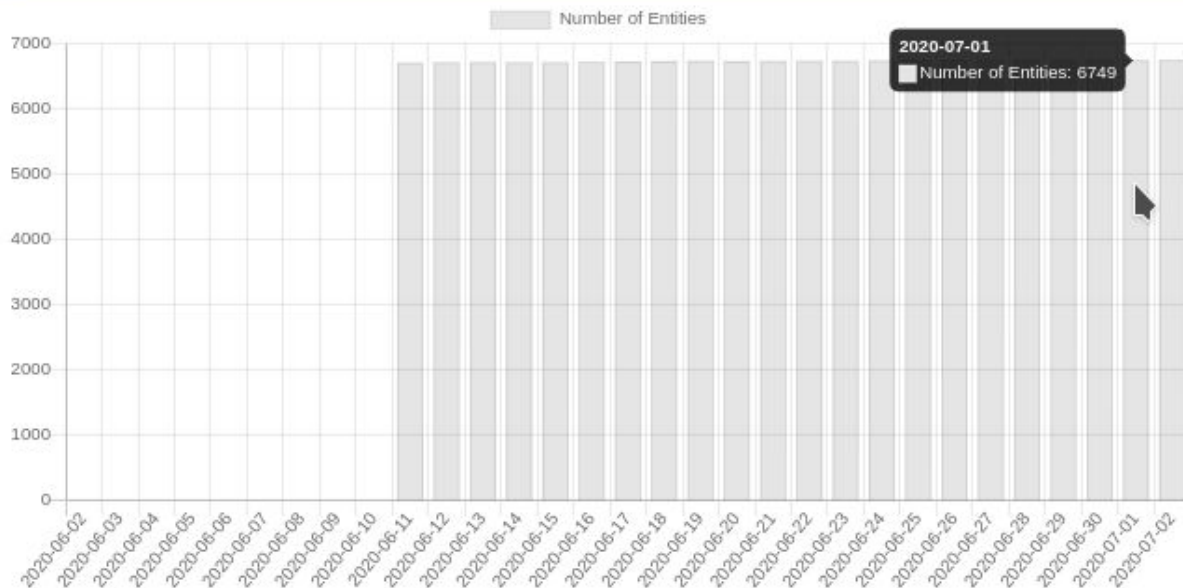
Offending Entities

Federation	Entity	Measured value	Last Check
AAF	IdPI Murdoch University https://idp.murdoch.edu.au/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:10
AAJEDUMK	IdPI Ministry for education and science in Macedonia https://idp.schools.mk/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:01:55
ACONET	[Unknown] Bundesministerium für Bildung, Wissenschaft, Forschung http://adfs.noc-science.at/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:29
ACONET	[Unknown] Bundesministerium für Bildung, Wissenschaft, Forschung http://adfs.noc-science.at/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:29
ARNAAI	IdPI DZ e-Science GRID IDP https://idp.grid.am.dz/idp/shibboleth (show entity statistics)	ECCS Errors ²	2020-07-02 03:02:20
BELNET	IdPI CRA-W https://idp.craw.eu/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-06-16 03:00:46
BELNET	IdPI IDP - ULB (Universite libre de Bruxelles) https://idp.ulb.ac.be/idp/shibboleth (show entity statistics)	ECCS Errors ¹	2020-07-02 03:00:48
BELNET	IdPI University of Liege - ULG https://idps.ulg.ac.be/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:48
BELNET	IdPI University of Mons (UMONS) https://adfs.umons.ac.be/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:48
BELNET	IdPI University of Namur https://identity.unamur.be/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:48
BELNET	IdPI VIB http://sts1.vib.be/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:48
CAF	IdPI ACORN NS https://utility.acorn-ns.ca/idp/shibboleth (show entity statistics)	ECCS Errors ²	2020-07-02 03:00:42
CAF	IdPI Camosun College https://idp.camosun.ca/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:41
CAF	IdPI Capilano University http://fs.capilano.ca/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:40
CAF	IdPI College of the Rockies http://fs.cotr.bc.ca/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:40
CAF	IdPI Concordia University https://idpv3.concordia.ca/idp/shibboleth (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:41
CAF	IdPI Concordia University - BCI http://fas.concordia.ca/adfs/services/trust (show entity statistics)	ECCS Warnings ¹	2020-07-02 03:00:40

Welcome to StatRep
eduGAIN Overview
Issue Overview
Warnings and Errors
Federations

Welcome to StatRep

Entities Measured



About this issue

Check chapter 3 of eduGAIN Profile
https://technical.edugain.org/doc/eduGAIN_metadata_profile.pdf

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CoCo, SIRTIFI and ECCS Overview

CoCo status unknown, No CoCo, CoCo present with errors



Check	Count
CoCo status unknown	2954
No CoCo	3791
CoCo present with errors	57

SIRTIFI status unknown, No SIRTIFI, SIRTIFI present



Check	Count
SIRTIFI status unknown	5890
No SIRTIFI	4
SIRTIFI present	909

ECCS Warnings, ECCS OK, No ECCS, ECCS Errors, ECCS status unknown



Check	Count
ECCS Warnings	621
ECCS OK	2461
No ECCS	4
ECCS Errors	306
ECCS status unknown	3411

Metadata Validation Issues

RegistrationPolicy



2289

Email Address



2007

Network Logo



1367

Display Name



1015

Info



350

Entity Attributes



Your New Account

Attribute Name	Value
Local Identifier	4e6g56d7e6ff87742c223f2b
* Source	idm-b.example.org

I have read and agree to the [Terms and Conditions and Privacy Policy](#)

submit

Federation

You have no access to see the details of ACONET federation. You can [claim access](#) to the federation if you have access to the federation operator email inbox.

- Welcome to StatNoty
- eduGAIN Overview
- Issue Overview
- Warnings and Errors
- Federations

Claim Access to Federation ACONET

Send token to fedop email

Finland	HAKA (show federation statistics)	2020-05-21 00:00:07
France	Fédération Éducation-Recherche (show federation statistics)	2020-05-21 00:00:08
Georgia	Grena Identity Federation (show federation statistics)	2020-05-21 00:00:08
Germany	DFN-AAI (show federation statistics)	2020-05-21 00:00:08
Greece	GRNET (show federation statistics)	2020-05-21 00:00:09
Hong Kong	HKAF (show federation statistics)	2020-05-21 00:00:09
Hungary	eduld.hu (show federation statistics)	2020-05-21 00:00:08
India	INFED (show federation statistics)	2020-05-21 00:00:08
India	INFLIBNET (show federation statistics)	2020-05-21 00:00:08
Iran	IRFED (show federation statistics)	2020-05-21 00:00:09
Ireland	Edugate (show federation statistics)	2020-05-21 00:00:08
Israel	IUCC Identity Federation (show federation statistics)	2020-05-21 00:00:09
Italy	IDEM (show federation statistics)	2020-05-21 00:00:08
Japan	GakuNin (show federation statistics)	2020-05-21 00:00:08

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Your Account

Attribute	Value	Source	Assurance	Last Update	Info
Local Identifier	ce46d9529eb9e0d10310871e	local		2020-05-22 10:41:06	
Currently logged in from	https://statnoty.gndev.hexaa.eu/simplesaml/saml2/idp/metadata.php				
Remote Account	idm-a.example.org			2020-05-22 10:41:06	
Federation Ownership	AAI-EDUHR				
	ACONET				
	ARNAAI				
	EDUID-HU	email_tokene		2020-06-17 09:36:502020-06-17 09:42:102020-06-17 09:29:452020-05-22 10:41:482020-06-17 09:30:092020-06-17 09:41:182020-06-17 09:34:58	(Read-only attribute)
	IAMRES				
	SURFCONEXT				
SWAMID					
First Name	(no value)		Edit Attribute		
Last Name	(no value)		Edit Attribute		

Welcome to StatRep

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt.

A

50.1889

Statistics for EDUID-HU federation

CoCo present with errors
 CoCo status unknown
 No CoCo



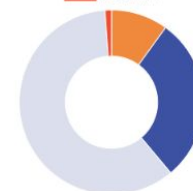
Check	Count
CoCo present with errors	28
CoCo status unknown	26
No CoCo	36

SIRTFI present
 SIRTFI status unknown



Check	Count
SIRTFI present	32
SIRTFI status unknown	58

ECCS Warnings
 ECCS status unknown
 ECCS Errors



Check	Count
ECCS Warnings	9
ECCS OK	26
ECCS status unknown	54
ECCS Errors	1

[mdui:UInfo found but no mdui:Logo element](#)

This federation: 54.44%

eduGAIN: 20%



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Statistics for <https://l-aa1.sztaki.hu/idp>

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt.

A

60

Check	Measured value	Last Check
CoCo v1	No CoCo (show measurement history)	2020-07-02 03:01:00
SIRTFI	SIRTFI present (show measurement history)	2020-07-02 03:01:00
ECCS	ECCS OK; (show measurement history)	2020-07-02 03:01:00
Entity Category	76 (show measurement history)	2020-07-02 03:01:00
Entity Category	89 (show measurement history)	2020-07-02 03:01:00



Status and next steps

□ Done:

- stakeholder input collection
- python client for the eduGAIN tech db
 - daily runs at pilot deployment
- php-based web portal
 - eduGAIN level statistics
 - historical
 - federaration level statistics and core
 - entity level statistics and core
 - subscription mechanism
- email notifications to subscribers
- php generation mechanism (wkhtmltopdf)



Status and next steps

□ TODO:

- further wording/styling
- query optimization
- infographics design/notification strategy
- feedback gathering
- handover to service owner

Thank you

Any questions?

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