Code of Conduct Monitoring Tool

SRCE operates a tool that regularly browses through the eduGAIN metadata and

- checks that the elements asserting compliance to the Data protection Code of Conduct conform to the SAML2 metadata profile for the Data protection Code of Conduct
- checks that the Privacy Policy referenced by mdui:PrivacyStatementURL resolves to a page which references the Data Protection Code of Conduct
- archives the SP's Privacy Policy page for the audit trail
- the ip address of the CoCo monitoring tool is 161.53.2.204
- value of the User-Agent request header sent by CoCo monitoring tool is "eduGAIN CoCo Monitor v1.0"

On-line interface:

The tool has an on-line interface in http://monitor.edugain.org/coco/

The tool uses following colours for SPs

Colour	id_status	code	Description
White	1		The SP does not assert compliance to the Data Protection Code of Conduct
Green	2		The SP conforms to the REQUIRED and RECOMMENDED behavior described in the SAML2 metadata profile for the Data protection Code of Conduct
Yellow	3		The SP conforms to the REQUIRED behavior described in the SAML2 metadata profile for the Data protection Code of Conduct
Red	4	<> -1	The SP does not conform to the REQUIRED behavior described in the SAML2 metadata profile for the Data protection Code of Conduct
Gray	4	-1	The SP can not be checked properly (Unable to access Privacy Policy URL)

For description of the columns, see below.

JSON interface

The monitoring tool provides also a JSON feed on the monitoring results in http://monitor.edugain.org/coco/json.php

If called without parameters feed shows only "green" and "yellow" entities (entities with id_status=2 or id_status=3).

All entities can be fetched using query string parameter all_sps=true. Example: http://monitor.edugain.org/coco/json.php?all_sps=true

Specific entity can be fetched using query string parameter entityid=<URLENCODED_ENTITYID>. Example: http://monitor.edugain.org/coco/json.php?entityid=https%3A%2F%2Fwiki.edugain.org%2Fshibboleth

The table below describes the JSON feed. You can request particular attributes by enumerating their names in the query string. Example: http://monitor.edugain.org/coco/json.php?attributes=DisplayName;entityID

Attribute name (JSON)	Attribute description
entityID	SP's SAML2 entityID
registrationAuthority	mdrpi:RegistrationInfo element's registrationAuthority attribute
DisplayName	mdui:displayName element. If multivalued, only the value with xml:lang="en" is present
first_seen	Timestamp when the monitoring tool has first encountered this SP
last_seen	Timestamp when the monitoring tool has last encountered this SP
id_status	Observed colour of the SP; see the table above
status	Textual representation of the id_status attribute
PrivacyStatementURL	mdui:PrivacyStatementURL element. If multivalued, only the value with xml:lang="en" is present
code	(HTTP) status code when fetching the page to which mdui:PrivacyStatementURL resolves; codes less then 0 represent errors in page access
code_txt	HTTP status code description / error code description
content_type	The content type of the page to which mdui:PrivacyStatementURL resolves
headers	Headers of the page to which mdui:PrivacyStatementURL resolves
cookies	Cookies of the page to which mdui:PrivacyStatementURL resolves

source_b64	A copy of the last archived page to which mdui:PrivacyStatementURL resolves (BASE64 encoded)

Custom SAML2 metadata file validation

You can also validate a custom SAML2 metadata file's compliance to the Data Protection Code of Conduct

- you provide the URL of the metadata file to validate
- you receive the results by e-mail

The custom metadata validator: http://monitor.edugain.org/coco/?show=cod