EFWG 2022-05-12 Meeting - BC Gov

Meeting Schedule

- Bi-Weekly at 8:00-9:00 am PST / 11:00-12:00 am EDT / 15:00 16:00 UTC / 17:00 18:00 CET
- https://zoom.us/j/95389236256?pwd=RFErMm9SS0tBenA1Q0dSYlpXK3Bqdz09

Attendees

- Steve Magennis
- Carly Huitema
- P Subrahmanyam
- Eric Drury
- Phil Wolff
- Bill Carroll
- · Ross Power, product manager, Cheqd
- Suma
- Nick Main
- Nicky Hickman
- Kimberly Linson
- Stephen Curran (BC gov)
- Jorge Flores
- Vikas Malhotra
- Karla McKenna
- Vlad Zubenko at ETS
- Kyle Robinson
- anirao
- Karen Hand
- Sam Rookard
- Trinh Nguyen
- Brian
- Scott Perry
- Tim Bouma

Agenda Items

- Welcome & Introductions
- EFWG Community Topics
- Presentation Stephen Curran, Ecosystem Governance model
- Q&A

Presentation Files

- From todav's talk
 - Slides: https://docs.google.com/presentation/d/1B1uB6kbpKjJG3stNG5mY6rvgt_WZsG_99RTHiUyv3EU/edit#slide=id.p
 - o repo: https://github.com/cloudcompass/demo-pancdn-toip-gf
 - demo site: https://pcgf.cloudcompass.ca/ (needs username/password)
- White Paper working draft: https://docs.google.com/document/d/14Q8Q8EwV0Ok_AKITyR0BSWLRASjekwD2OCIDaPV3haA/edit
- Blog post
- Learning Pathways Taskforce

Recording

Meeting Recording

Meeting Notes

Welcome & Introductions

Notes

EFWG Community Topics

- Invitation to all members to join the task force for the Ecosystem Governance Template (especially to find a task force leader)
- There is a published governance meta-model which is the table of contents for a governance framework for all layers of the trust over IP stack
- Task forces are being launched for each layer so we can become more specific in the governance specification at each layer of the stack
- · We are looking for a leader of this task force to drive the creation of the layer 4 specific governance framework
- Deliverable specific governance framework timeline: none specific, time is of the essence.
- To be a viable organization we need to lead and the marketplace needs this deliverable. The market will develop their own otherwise.
- We have already implemented guidance around risk assessment and the governance will address specific risks at the ecosystem layer and that will drive requirements of the governance

- A great education opportunity for members
- · Business model and UI/UX we are seeking ideas from members for possible presentations which are of interest to the community

Presentation - Stephen Curran

Slides https://docs.google.com/presentation/d/1B1uB6kbpKjJG3stNG5mY6rvqt_WZsG_99RTHiUyv3EU/edit#slide=id.p



A Practical, Decentralized Verifiable Credential Ecosystem Governance Framework

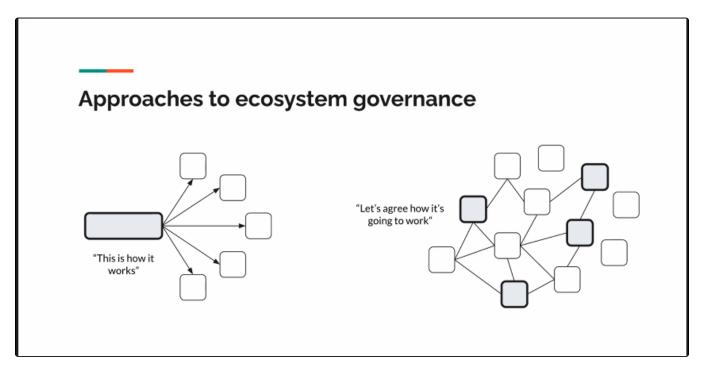
Tools and Processes, Processes and Tools

Stephen Curran, 2022.05.12, BC Gov Team

ToIP Ecosystem (my understanding)

- A set of independent ToIP participants using verifiable credentials that are:
 - o Using an interoperable technical stack e.g. Hyperledger Indy ledgers, Hyperledger Aries protocols.
 - o Enabling discovery by publishing information about schemas, issuing verifiable credentials, requesting proofs.
 - Providing guidance to make it easy for others to "join" the ecosystem.
- Examples:
 - o Credentials for people jurisdictions, broader public sector, residents, banks, telcos, universities, businesses...
 - o Supply chains jurisdictions, resource producers, manufacturers, industry groups, auditors, banks, consumers...
- Realities:
 - Overlapping participation in ecosystems
 - Many other "governance frameworks" at play (in name and practice)

Where on the centralized-vs-decentralized spectrum does ecosystem governance operate? An "anchor tenant" defines the rules vs. emergent governance that's independent of a "key species" participant.



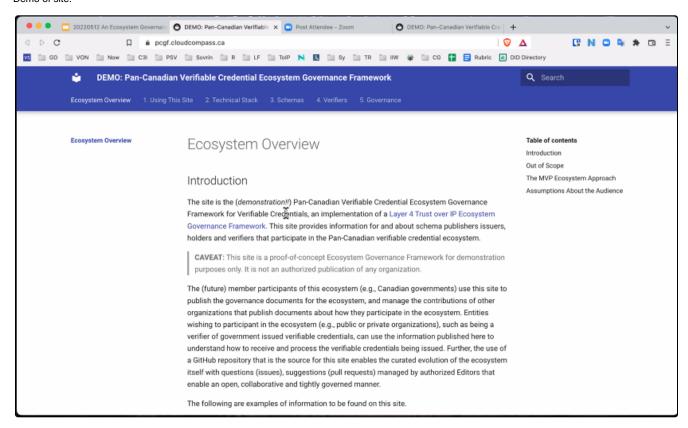
How to do the governance.

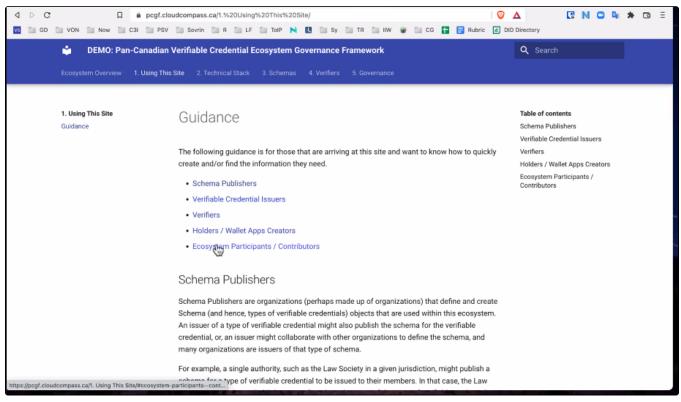
Goals

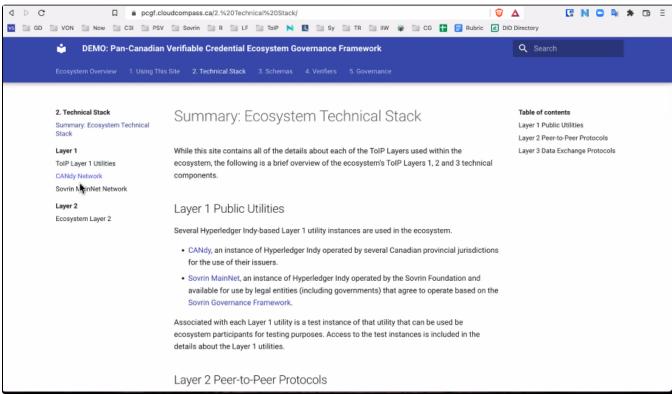
- A website to publish information for ALL participants (issuers, holders and verifiers) about the technical stack and verifiable credentials in the ecosystem.
- A set of "Member" participants that decide on the overall ecosystem, such as the technical stack and data published on the website.
 - Decision making that is as lightweight as possible, which might be very heavy-handed.
- Contributors that submit for publication information about their parts of the ecosystem — schemas they publish, verifiable credentials they issue and/or proofs they request.
- Practical to implement, moderately scalable based on human trust/reputation.
- Meta outcome: An instance that we can use for a Canadian ecosystem, based on a structure that others can replicate and use as they see fit.

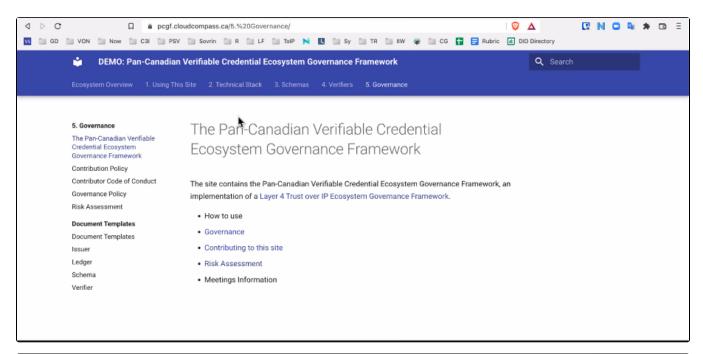
- 1. A website as Source Of Truth.
- 2. Decision making. (committee of member participants)
- 3. Proposals to publish changes to website via decision makers.

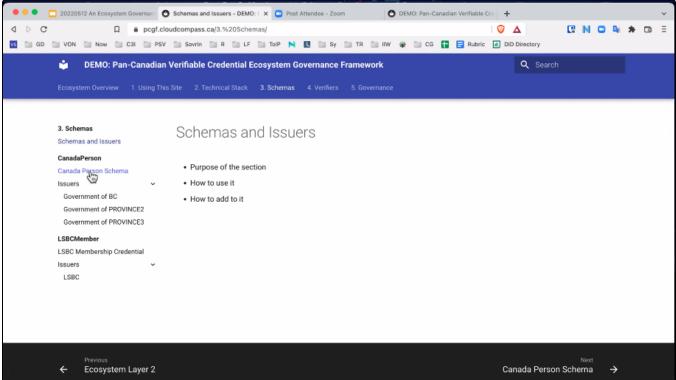
Demo of site:

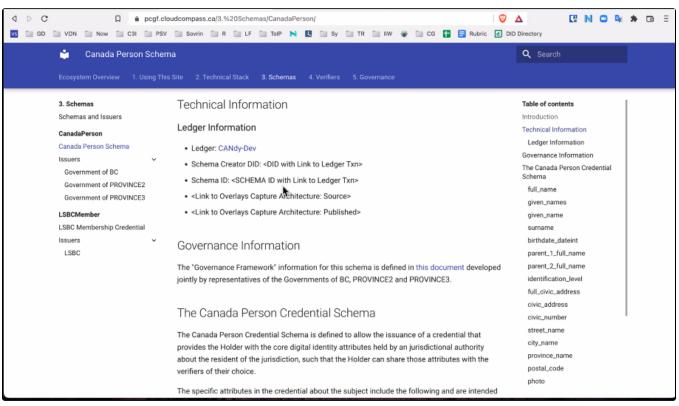


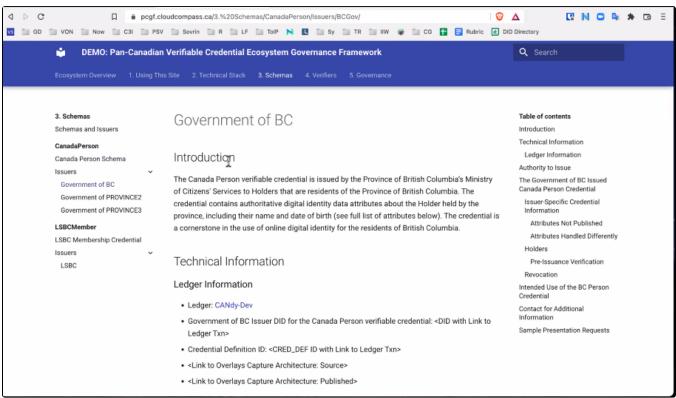












Included / Not Included

- Included: Information about ToIP L1, L2 components
 - o Not included: Governance of L1, L2 components
- Included: Semantic/location information about Schemas that can be used in the ecosystem
 - o Not included: Governance of those Schemas
- Included: Semantic/location information from <u>Issuers</u> and <u>Verifiers</u> participating in the ecosystem
 - o Not included: Issuer or verifier governance
- Included: Structural oversight of the data published
 - o Not included: Control over content by other than the "owner" of each document

Tools

- GitHub
 - $\circ \qquad \text{Versioning, publication control through pull requests, issues} \\$
 - o Organizational and individual accounts (ironic eye-roll expected...)
- Technical Roles
 - GitHub Maintainers (administer the repository),
 - Editors (approve and merge pull requests)
 - Contributors (anyone submitters of pull requests)
- Markdown
- Publication pipeline
 - Merged content produces a website for human consumption
 - o Pipeline tools produce machine-readable content

Process — Decision Making

- Contributors (e.g. anyone) submit issues and pull requests.
- Editors (using GitHub tools) get the issues and pull requests ready for a decision.
 - o For Schemas, Issuers and Verifiers: Is the structure correct? Is the right person submitting?
 - Everything else: Does the update reflect the intention of the members?
- Decision making process as light or as heavy as needed:
 - o Light: Members delegate to the Maintainers/Editors to follow the intent of the ecosystem members
 - o Heavy: Members vote on any and all decisions (content changes).
 - o Middle: Editors delegated to handle most pull requests, but to recognize when to escalate to members.
- Technical manifestation
 - o GitHub roles, permissions and pull request merges

Process to create an ecosystem

- Members decide that an ecosystem is useful
- Delegate a technical resource to create and administer the site (Maintainer role)
 - o Create the repository from a GitHub repository template
 - o Customize the site for the purpose, such as defining the initial participants, decision-making, templates
- Meetings of member delegates to review and refine the site/governance.
- Publish the site
 - Enable a pipeline for both human and machine-readable outputs
- Publicize the site and welcome contributors
- Follow governance rules to evolve site
 - Including changing the governance rules as needed...

Status

- Sample created
- · Sharing the idea and collecting feedback
- Expecting to apply the idea to the concrete use case in Canada
- If others are interested in, willing to create an "Ecosystem GF Template" repository and guidance
 - Starting documents (model: Community Specification V1.0 and SpecUp)
 - o Guidance / How To
 - o Technical Work e.g. scaling to handle 100s of Issuers

- Q&A
 - o Great effort.
 - $^{\circ}\,$ Documentation and security to manage RISK. Implemented well, you remove risk.
 - O How much of this can be automated, DAO-like?

Admin Reminder: remember to re-subscribe to new meeting calendar

If you want your name on the invite, reach out to Elisa Trevino (on slack), she will put your name in the calendar invite to make sure that the invite is sent out each time.

Coming up

• Next presentation: Tkyn - 26 May 2022