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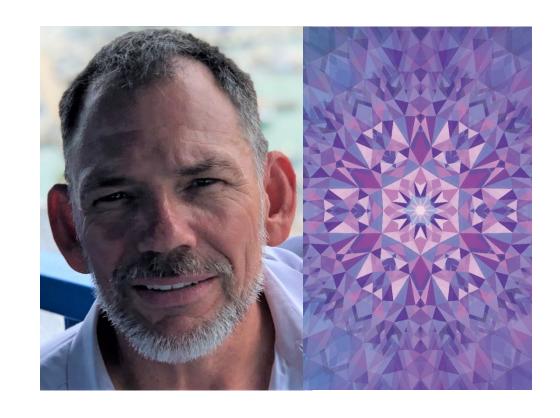
6-10 December 2021

Security vulnerability expressions: A technology for empowering novice practitioners around the world with security maturity capabilities



Jacques Remi Francoeur Security Inclusion Now, USA

Session 4: Policies and ontology for security management



Paper S4.2: Security vulnerability expressions: A technology for empowering novice practitioners around the world with security maturity capabilities





"empowering novice novice practitioners"





































ITU Standardization Published, Security Vulnerability Expression **Prior Work**, & Active Validation Development @ ITU-DCGI





ITU Study Group 17 Security: Technical Report

Unified Security Model



ity ITU Focus Group: Cryptocurrencies & Digital Fiat Currency

Protection Assurance for Digital Currencies



ITU SG17 Technical Report: Unified Security Model

ITU SG17 Security Manual 2020



Recommendation: ITU-T X1401 Annex (non-normative)

Security Threats to Distributed Ledger Technology Standard



Recommendation: ITU-T X1402 Annex (non-normative)

Security for Distributed Ledger Technology Standard





- Many paths forward, even the one we're on ...
 - If we stay on the current path of "unsustainable divergence" ...
- Which path should we take? We must start somewhere asap
 - Here is a path, that is doable now & can help millions of beginners and novice practitioners around the world, immediately ...
- Just a few steps forward and we will be on our way ...
 - Step 1: Raise Novice Access capability, immediately
 - Step 2: Raise Novice Capability level, over time





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- Ability to choose any framework as your reference/anchor view & see not only how it has been mapped to other target frameworks, but also the content of the mapped control
 - Currently cannot be done
- Capability to flip "framework view direction" by following any map from anchor to target framework & toggling the target framework into the anchor framework view reveals all mappings between the two, outlining gaps
 - Currently cannot be done. One-to-many spreadsheets are not able to present relational data that only a many-to-many relational database can





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- Greatly facilitate the creation of an internal security control framework, custom to the uniqueness of the target
- Expand from external control frameworks in Step 1 to include other Actors in the model, threat.
- Reflects decisions made, demonstrates progress
- Automatically tracks the relationships of the internal framework to other external frameworks to which one must comply





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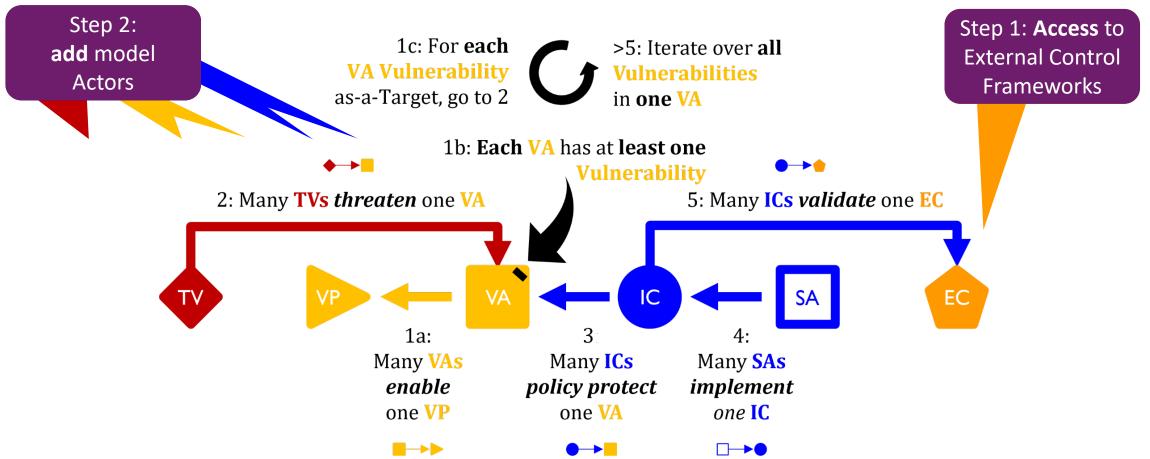


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Step 1: Raise Novice Access capability, immediately Step 2: Raise Novice Capability level (learning), over time







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Thank you!

