Nexus's PKI-Blockchain Project

Minutes of a meeting

Time: 18 May, 2017, 17:00-18:00
Location: Skype Call
Attendees: David, Anders, Radu, Alexander, Wazen, Erik.

The main discussion point: technical details of the report provided by Nexus[1].

Blockchain core section
1. LuxUni should provide description of smart contract, as well as description of the whole system including restful services (Nexus Blockchain CM).
2. There is a list of trusted certificates (as some root certificates may not be trusted). During the validation each node (CA certificate) should be checked if it is in the list of trusted certificates
3. Description of Restful API to be prepared during the development/working process

Blockchain certificate section:
1. According to the proposed architecture, each CA managed it's own lists of the issued and revoked certificates.
2. The certificate list will be implemented according to the best performance and scalability options (e.g. using binary search for lookup).
3. We explain a potential security threat against the revoked certificate transactions and how we can mitigate it.
4. The validation of the chain of trust was explained.

A new cooperation mean is launched:

A GitHub[2] repository has been created to share code and provide a convenient way to trace the prototype development progress.

Note: we wait Anders to send a set of examples that can help in the prototype development.

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[1] Statement of the work and architecture document, version:0.3.1, 17-05-2017
[2] https://github.com/snt-sedan/pki-blockchain