Buildin Trus At

VIVO as an Identity Platform

We are using VIVO as an identity/attribute platform. VIVO was developed with funding from NIH to produce a Facebook-like national network for scientists. VIVO produces rich RDF and Json payloads that can comprise identity attributes. We are working with Cornell University, where VIVO first started, to engineer our author attributes as include statements in the Cornell VIVO. In the Publish Trust Framework trust attributes always source from their origin thereby reducing friction and latency and increasing trust. When changes are made, they are immediately displayed throughout the trust framework.

Since InCommon authentication is included in VIVO, we plan to use InCommon as an authorization tool and a single-sign-on mechanism to improve workflow between institutions and publishers. InCommon provides higher levels of assurance as a binding point for authorship attributes from sponsored organizations.

Trust Factor

We have also partnered with the Human-Computer Interaction Lab at the University of Maryland to create a trust factor comprised of a metric, variables, and an algorithm to measure online trust. The metric is anchored at NIST LOA-2, but Levels of Assurance are different than Levels of Trust.

The good news is that online trust is much easier to measure than real life trust. As an example I can walk into this room and immediately not trust anyone present because of the presence of an odor that my tribal ancestors associated with mistrust, and it is baked into my DNA. In online trust there are far fewer sensory variables. It can be reliably measured.

As we move from an oil economy to a gold economy we will make known our findings in the development and measure of online trust. Through greater trust the process of scientific discovery is significantly improved.