



InfoNetworks
Building a Trusted Internet

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SSAD Sandbox & Pilot

Presentation to the ICANN Business Constituency

26-OCT-21

Overview

- We have spent over *three years soliciting feedback* from the ICANN community to develop a *holistic approach* to Whois (technical, legal, and policy)
- Our *working implementation* is being vetted with data protection authorities and DotMusic is submitting *five related RSEP's* to ICANN
- InfoNetworks, Microsoft, and DigiCert are forming a “coalition of the willing” to launch a *sandbox and larger pilot* to create an *industry-led working SSAD*

Key benefits of our approach

Lower Risk with Simplified Compliance:

- Consistent with GDPR, NIS 2.0 and other regs
- Consistent with EPDP/TSG recommendations

Enhanced Privacy with Better Access:

- Pseudonymous cross-border transactions
- Transparent and differentiated access rules
- Supports data localization

Standardized with Improved Accuracy:

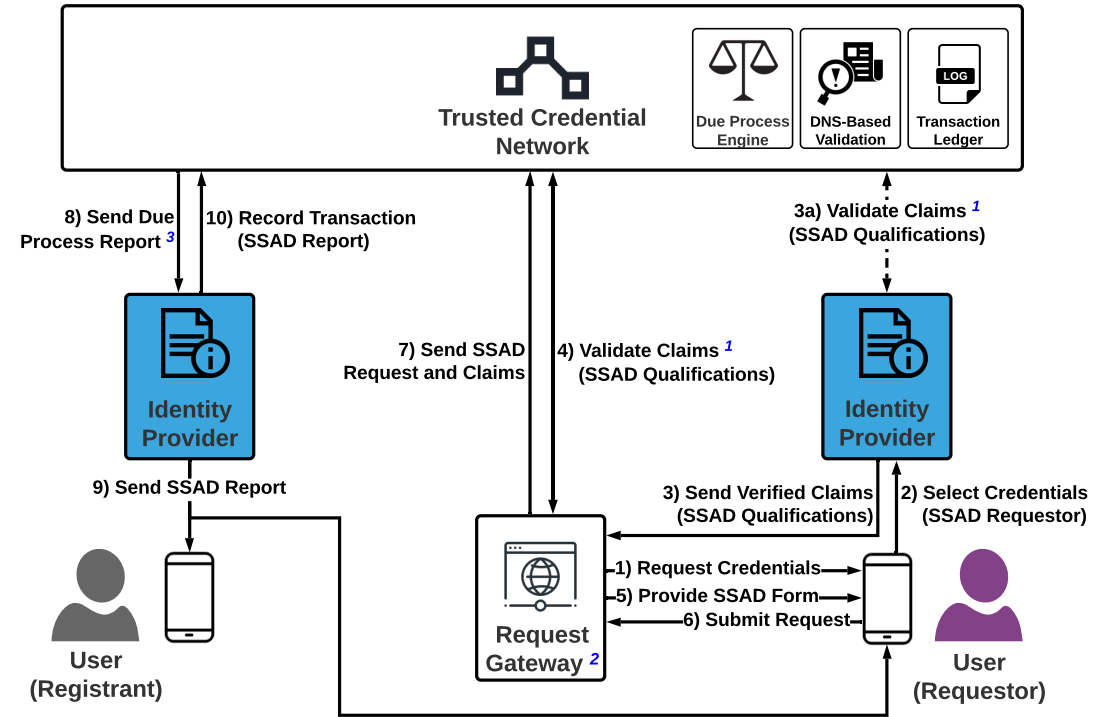
- Uniform process for incentivized validation
- Consistent rules for access requests

Lower Cost with Sustainability:

- Different credentials may use the same data
- Minimal implementation requirements
- Cost-recovery based access fee model

A compliant SSAD model

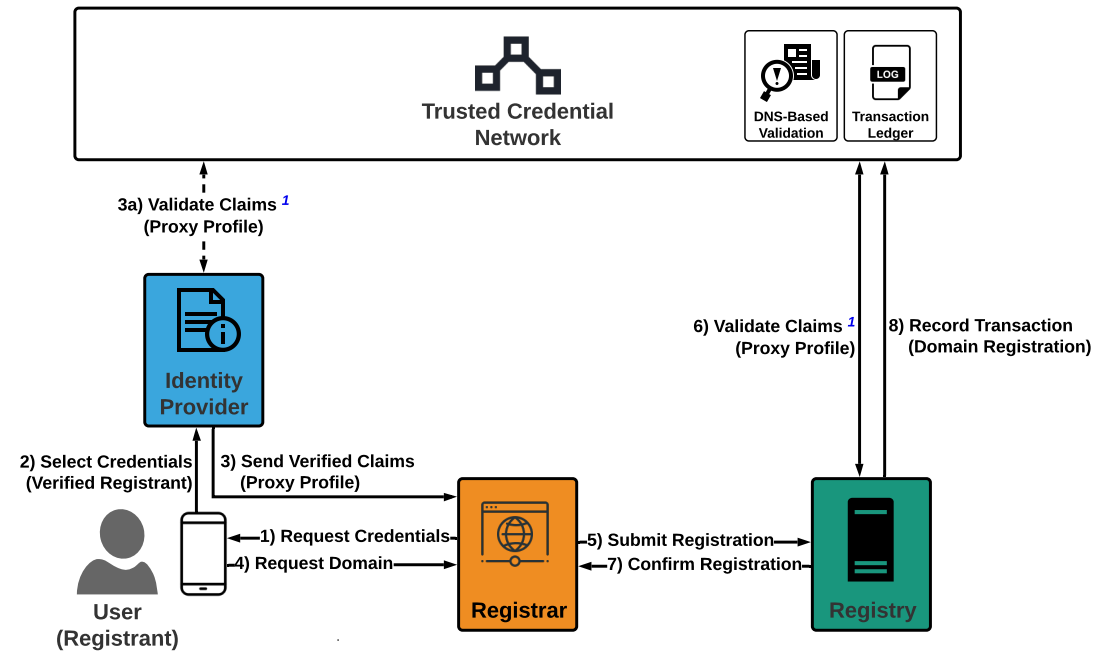
- Requestors are accredited using *verified credentials*
- Access to data is determined using established “*due process rules*”
- Designed for existing data *and* verified Registrant credentials



¹ Verified claims may be validated at any stage of the process as required. Public keys for independent validation may be obtained from network or local name server.
² The Request Gateway may be an SSAD Central Gateway or one of several accredited SSAD gateways.
³ The Due Process Report may be used by the Registrant's IdP for automated or manual processing of access requests.

Verified credentials may be used for Registrants

- Registrants can be *incentivized* to verify their Registration data
- The *same* Registrant data can be used for *different* credentials
- Credentials can be used to *pseudonymously* register domains



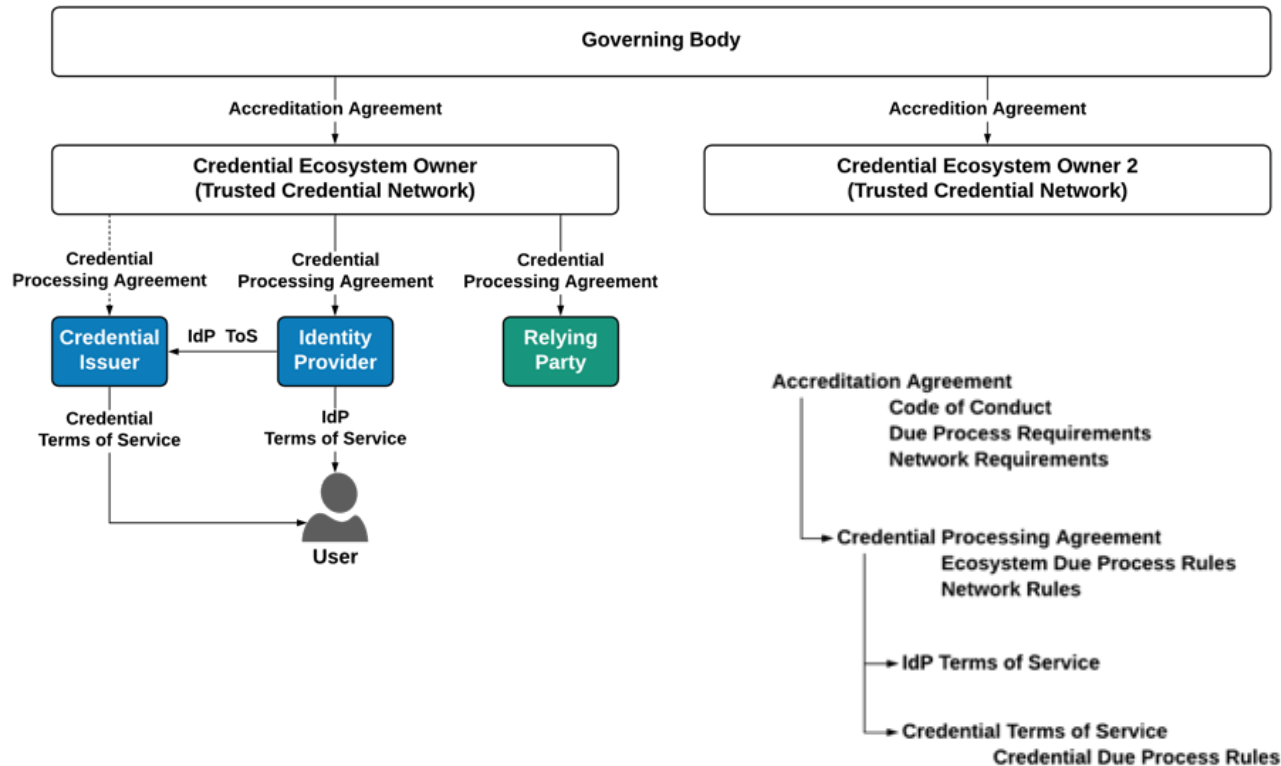
1. Verified claims may be validated at any stage of the process as required. Public keys for independent validation may be obtained from network or local name server.

Established “due process rules” for data access

Requestor Attributes	Template Name	IP - Trademark - 1b
	Template Description	1b: Counsel has a financial instrument and provides court order / subpoena
	Allowable Request Type	IP - Trademark
	Allowable Scope	Up to five related domain names
	Allowable IP Credentials	Relation for "Equivalent" Trademark ¹
	Allowable Attorney Credentials	Yes only
	Allowable Financial Credentials	Yes OR No
Request Attributes	Allowable Legal Right	Consumer (any level)
	Allowable Lawful Purpose	UDRP / URS Claim
		Preventing Consumer Fraud
		Contact Infringers / Providers
		For a Specific IP Claim
Data Attributes	Allowable Legal Proceedings	Any Pending Litigation
		Active Pre-Suit Investigation
	Allowable Evidentiary Support	Relevant document provided
	Designation: Protected Person	MANUAL
	Designation: Legal Person	DISCLOSE
	Designation: Natural Person	DISCLOSE
	Designation: Business Data	DISCLOSE
	Designation: Personal Data	DISCLOSE

- Rules consider attributes of the Requestor, request, and data
- Vet “live” rule templates with data protection authorities
- Templates promote consistent processing of SSAD requests
- Rules can incentivize verification of Registrant data

Credential governance for legal protections



- Modeled after tokenized credit card processing networks
- Layers consensus policies, registry policies, and local requirements
- Includes “Due Process Rules” and a credential Code of Conduct
- Includes dispute resolution and other legal mechanisms

Demo of our Sandbox

- **Sandbox is a complete “live” domain name ecosystem using our approach**
- **Enables actionable guidance from DPA’s and other regulators**
- **Existing use cases currently in the sandbox:**
 - ✓ Registrant verification and management of credentials
 - ✓ Retail domain name registration using pseudonymized credentials
 - ✓ Processing of SSAD requests based on accredited Requestor credentials
 - ✓ Processing of Trusted Notifier requests based on those credentials
 - ✓ Domain name transfers using pseudonymized credentials

Today’s
Demo

Next Steps for the Coalition

- **Integrate partners into the sandbox**
 - Microsoft: verifiable claims and credential solutions
 - DigiCert: Requestor verification and identity provider solutions
 - Others as they join
- **Grow the coalition**
 - Announcing additional participants shortly
 - Looking for additional participants (outside the ICANN community also)
 - Would like for you to participate in any manner you are comfortable
 - Open to ICANN Org's formal participation in the future