

SPICE Discovery

draft-steele-spice-metadata-discovery

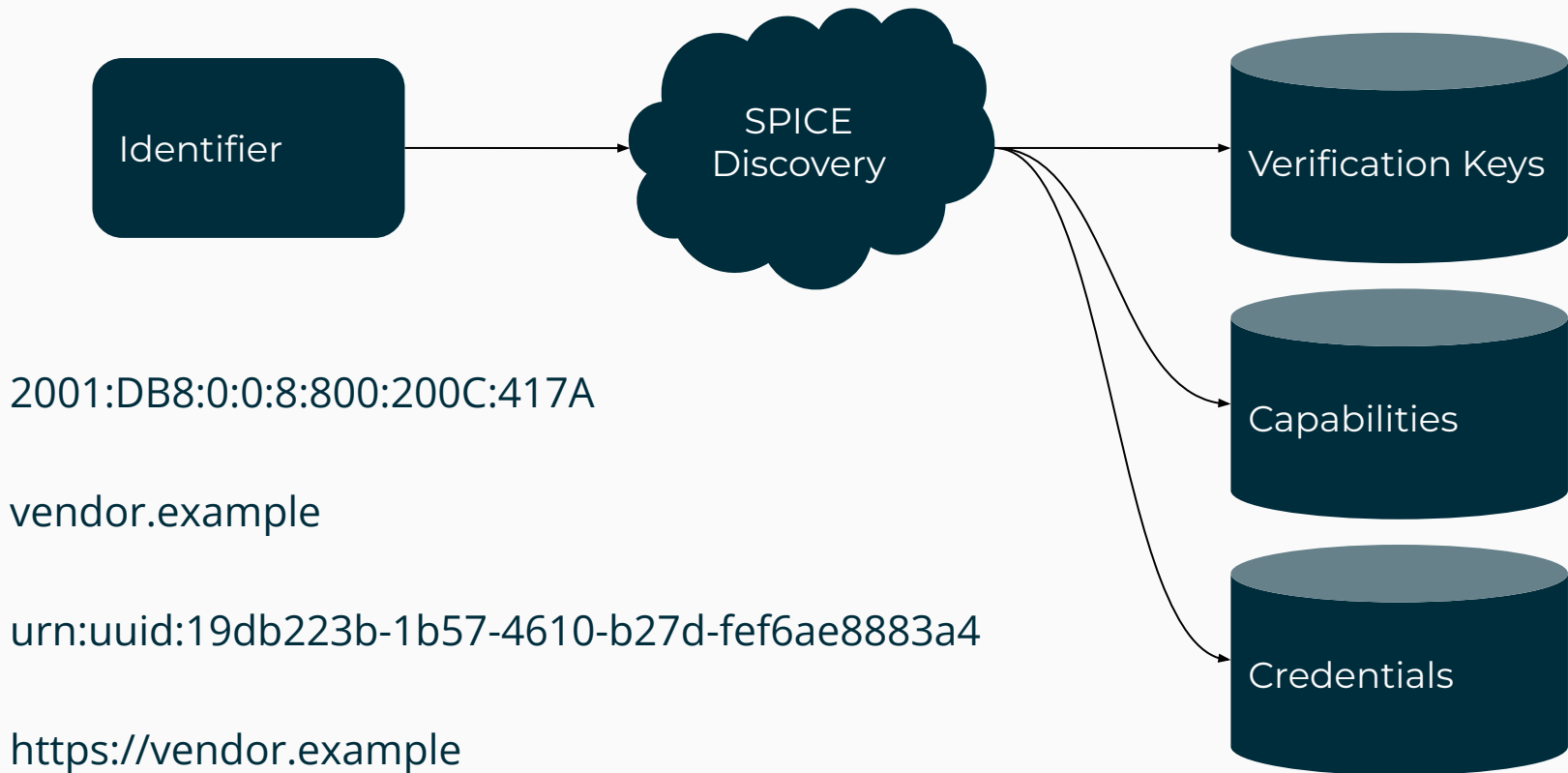
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What does it do?

- Discover credentials and capabilities associated with a well known digital resource.
- Help brands establish trust in related digital credentials.
- `logistics.example`
 - `GET https://logistics.example/.well-known/keys`
 - `issuers/holders/verifiers.txt` ?
 - `dig server.ns.example. _tbd_.logistics.example. TLSA`
 - Which signature algorithms are supported?
 - Which types of credentials are issued or verified?
 - Which issuers are supported?

What does it do?



bar codes, qr codes, nfc, rfid, etc... ?

Why do it?

- Improve assurance by relating confirmation methods to resources
- Help search engines and bots find and authenticate digital product passports and legal entity credentials
- Support new signature algorithms or more privacy preserving credential types as they become available
- Integration point for discussing digital credentials with other IETF stakeholders including SCITT, OAUTH, DIEM, etc.

Status

- Published -00:
 - Need to clarify scope
 - URIs only? URNs?
 - DNS, HTTPS, MOQ?
 - Support DIEM use cases?
 - <https://datatracker.ietf.org/doc/html/draft-steele-spice-tlsa-cnf-00>
 - Relationship to related work?
 - Decentralized Identifier Resolvers
 - OpenID Federation

Next Steps

- Not ready for adoption
- Which protocols and transports need SPICE discovery?
- Perhaps better to spend some time with use cases first?