

Asset Identification

Adam Montville, amontville@tripwire.com

URL: <http://tools.ietf.org/html/draft-montville-mile-enum-reference-format-00>

Abstract:

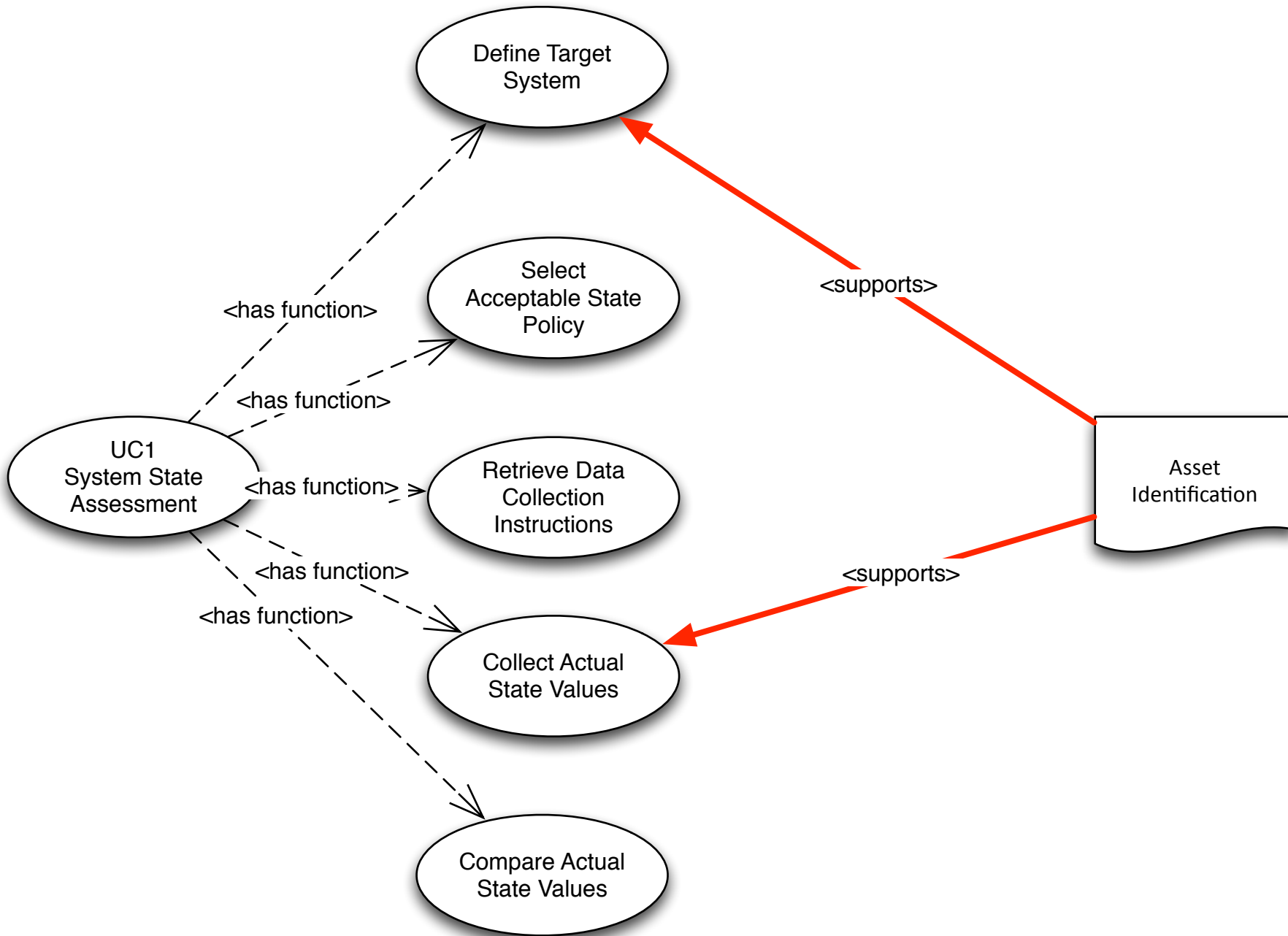
Some standards, such as the Incident Object Description Exchange Format, provide classes used to reference external entities (such as enumeration identifiers). At the time of standardization, however, needed references may not be known, and the method of external entity identification is often left unstructured. This document describes, using IODEF as an example, a method to provide structure after the fact.

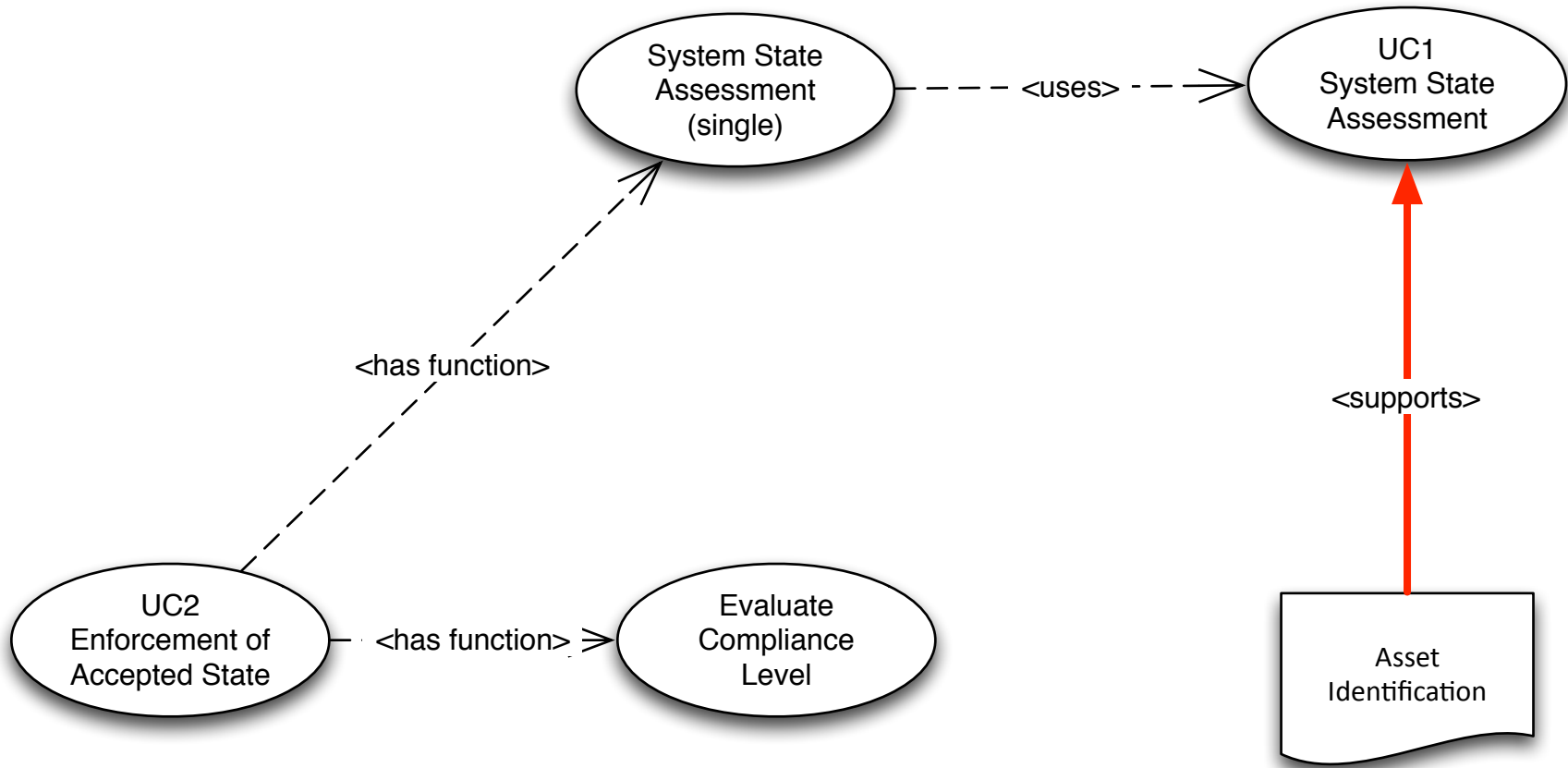
This Asset Identification specification describes a framework for how asset management processes and other specifications may identify assets using some set of information known or generated about the asset.

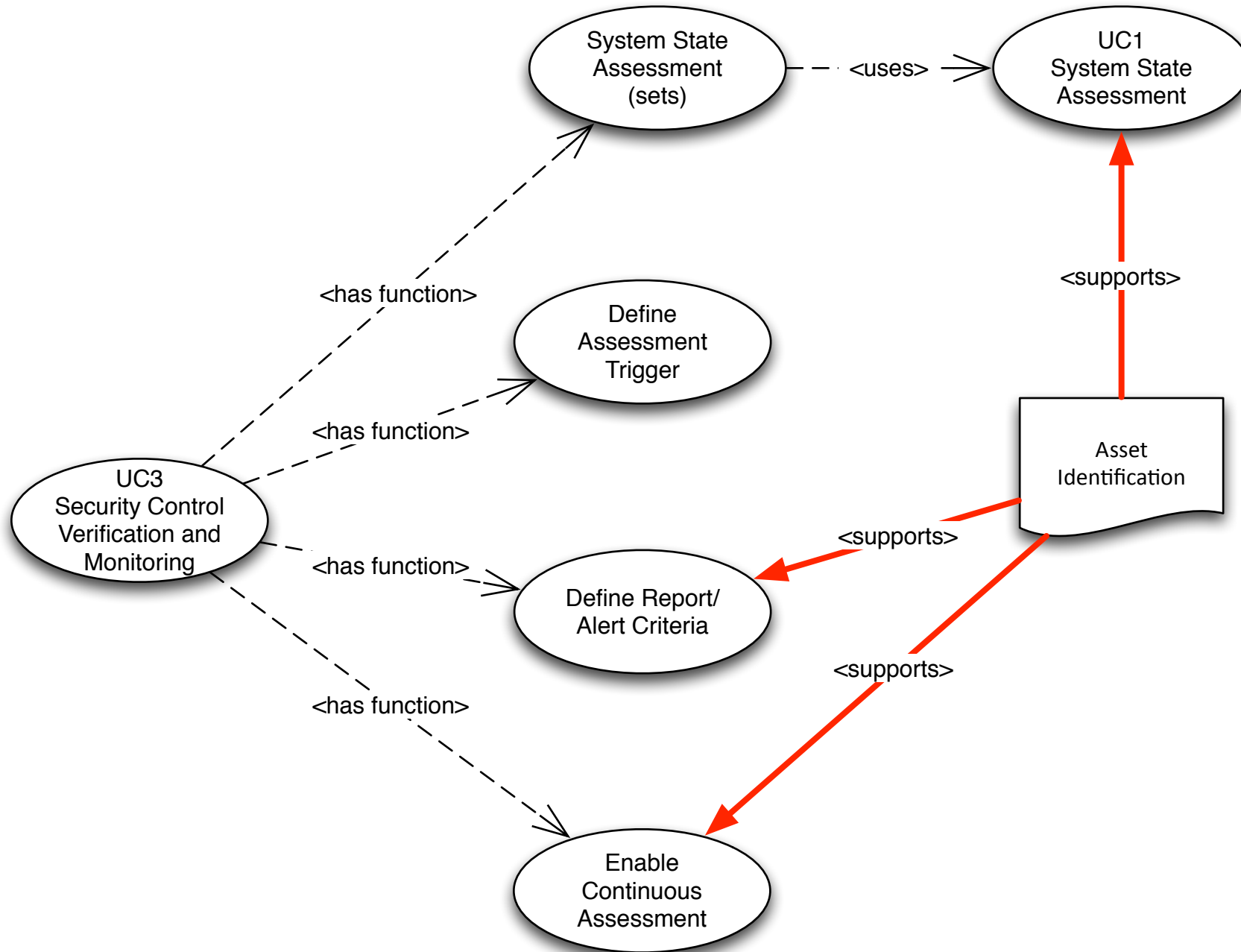
This specification was developed to support the immediate needs of the security automation community.

For the purposes of this specification, an asset is considered to be anything that has value to an organization.

It is expected that other standards, data formats, tools, processes, and organizations will reference this specification to describe how to represent asset identification information.



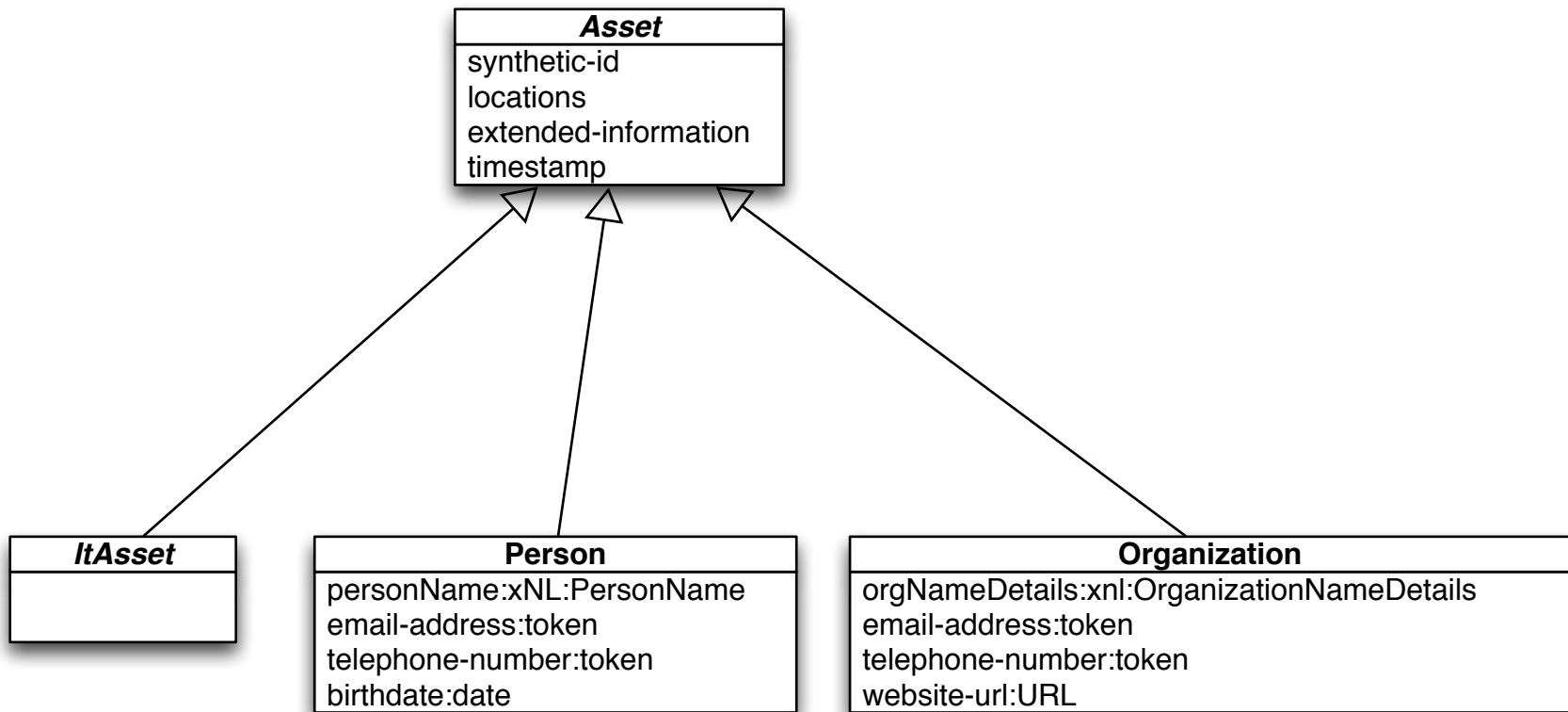


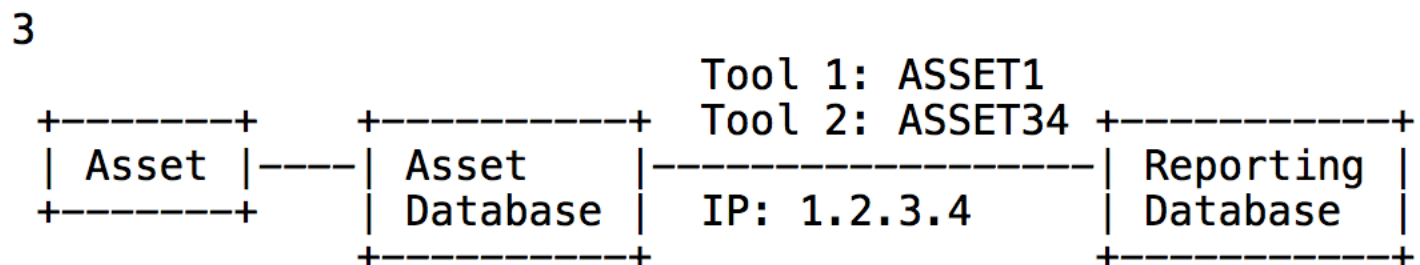
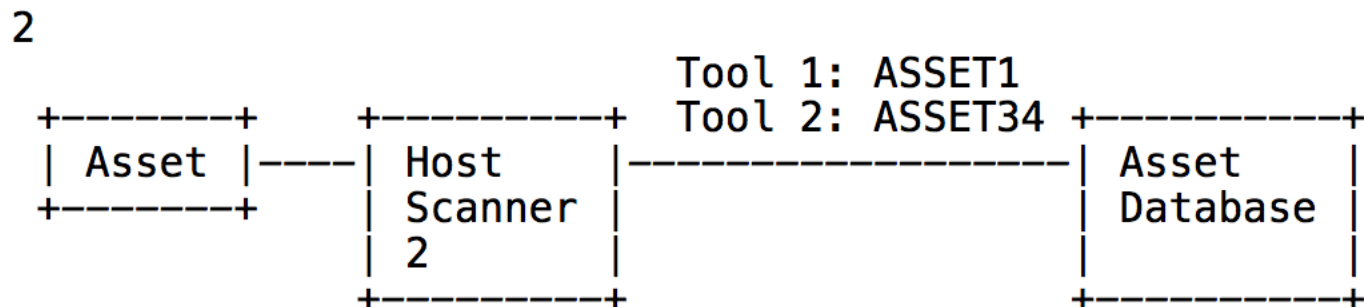
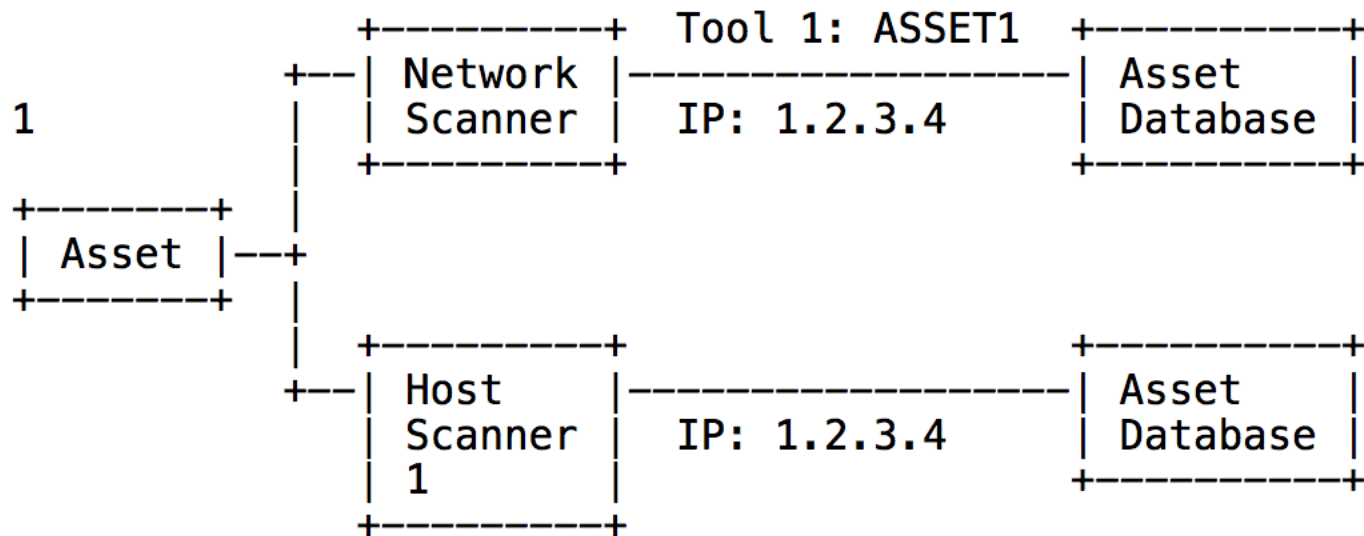


Does the Community find this work relevant?

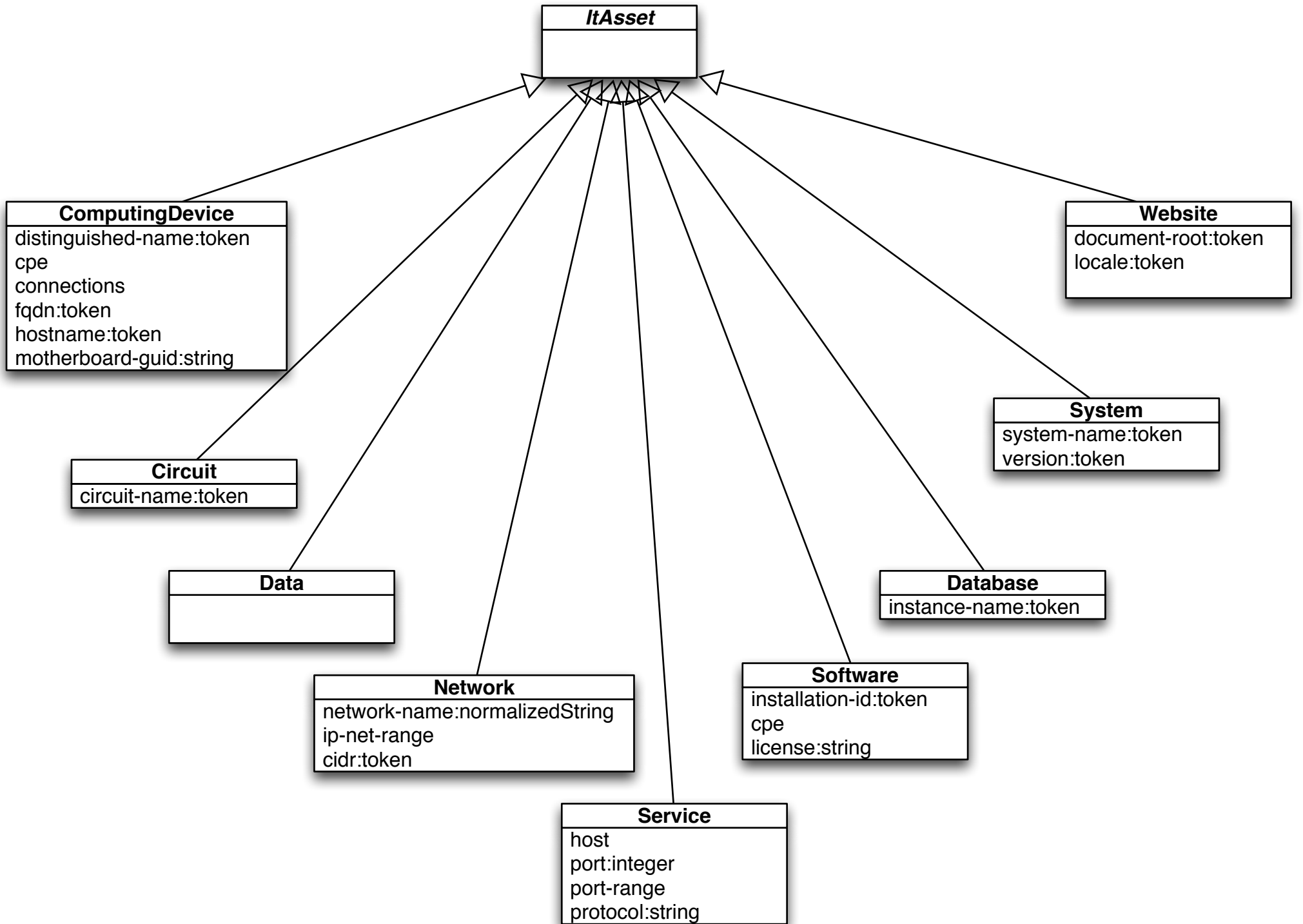
Are there willing Authors/Editors?

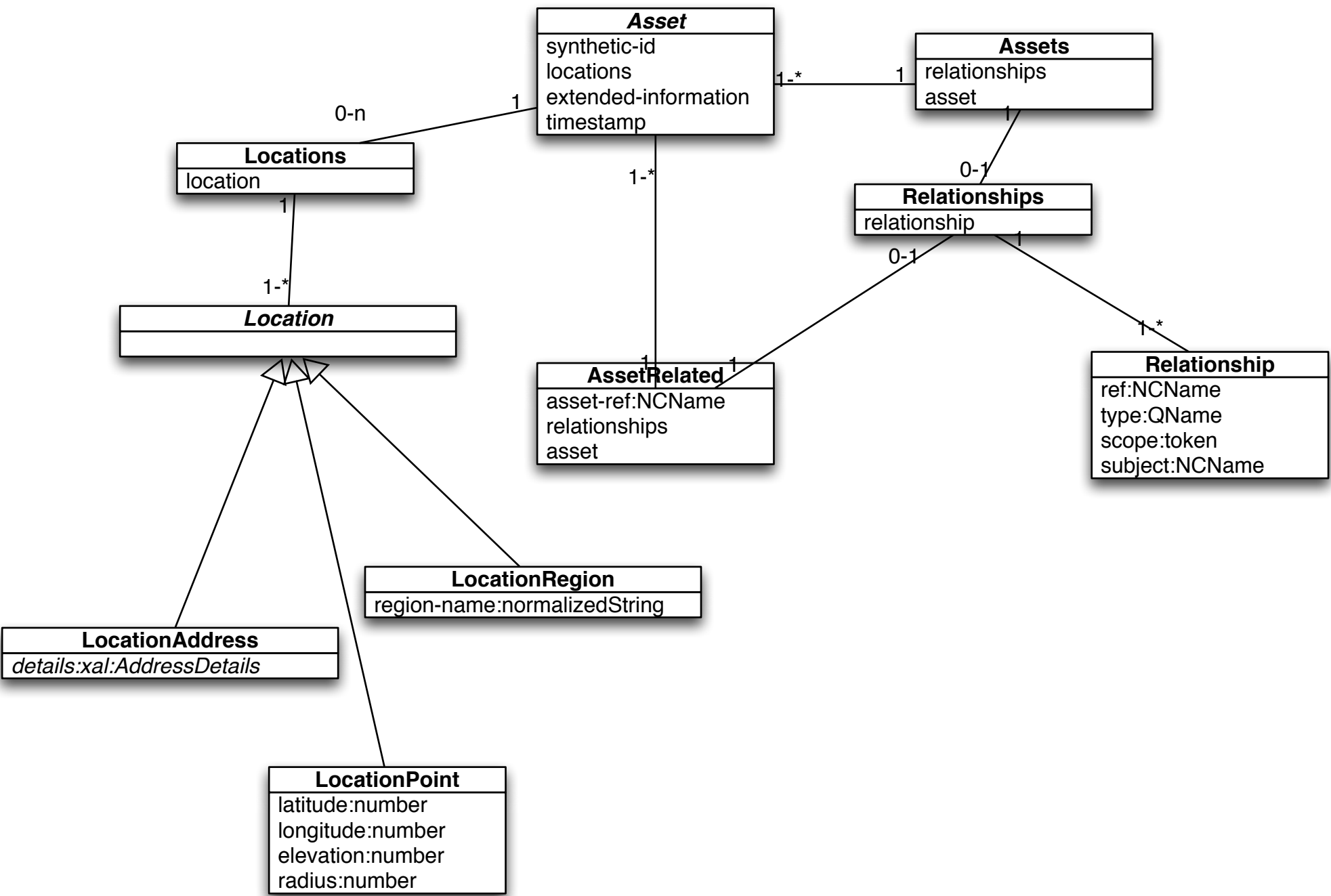
Backup Slides / Technical Details





Sample Correlation Workflow





Relation:	Domain:	Range:
hasTerminationDevice	ai:circuit	ai:computing-device
hasServiceProvider	ai:circuit	ai:organization
hasNetworkTerminationDevice	ai:circuit	ai:network
servedBy	ai:database, ai:website	ai:service
hasServiceProvider	ai:service	ai:software
installedOnDevice	ai:software	ai:computing-device
connectedToNetwork	ai:system	ai:network
isOwnerOf	ai:person, ai:organization	ai:it-asset
isAdministratorOf	ai:person	ai:computing-device, ai:system
partOf	ai:person	ai:organization
connectedTo	ai:computing-device, ai:system	ai:system

Relation:

hasTerminationDevice

hasServiceProvider

hasNetworkTerminationDevice

servedBy

hasServiceProvider

installedOnDevice

connectedToNetwork

isOwnerOf

isAdministratorOf

partOf

connectedTo

Description:

The circuit is terminated by the device.

The circuit is owner/operated by the organization.

The circuit ends at the network.

The database or website is served up by the service.

The service is provided by the software.

The software is installed on the computing device.

The system is connected to the network.

The person or organization owns the IT asset.

The person is the system administrator of the computing device or system.

The person is in some way a part of the organization.

The computing device or system is connected to the system.

Possible Improvements

- + Consider using Asset Identification beyond Identification
- + Specify use of IANA registry for asset type addition
- + Specify use of IANA registry for asset type extension
- + Specify use of IANA registry for relationship addition
- + Augment for internationalization