

terms first

Aggregates Collections of resources managed and presented in accordance with the AM API

Members Experimenters or other human consumers of aggregate resources

Authorities Services that manage assertions about members and their permissions with respect to aggregate resources.

Clients Software tools which interface with Aggregates and Authorities on behalf of Members

Slices are containers which group resources at Aggregates

Projects are groupings of slices and members for a particular administrative purpose



Ohouse - The OFELIA Clearinghouse

disclaimer

 README.md

The OFELIA Clearinghouse

This is/shall be OFELIA's Clearinghouse.

Clearinghouse \neq Clearinghouse

certificate generation

registry for AMS

user management

privilege management

accountability

CH \neq CH

global logging

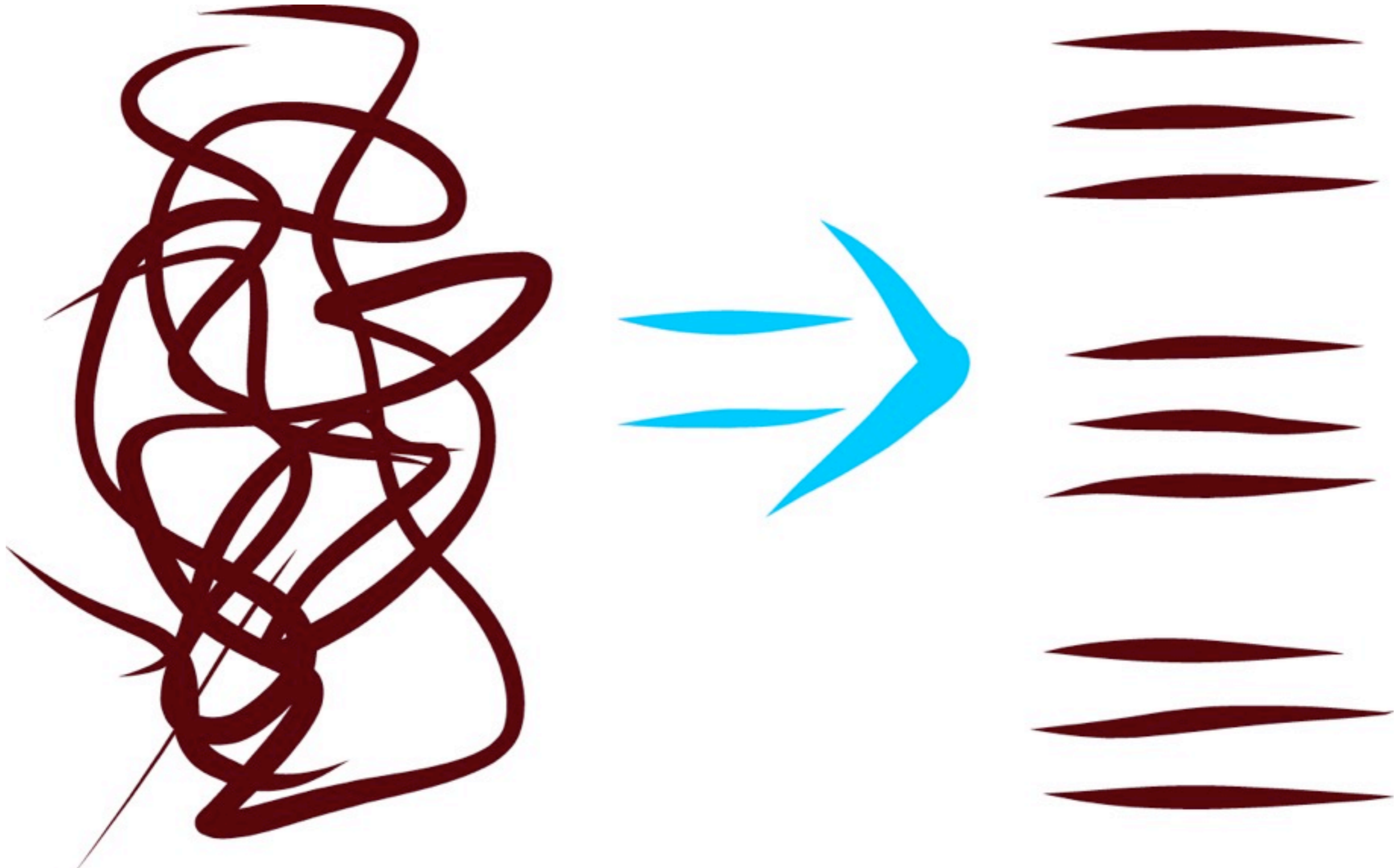
policy enforcement

project creation

credential store

slice management

Uniform Federation API



clearinghouse

Registry Service

where are the AMS?
where are the SAs?
where are the MAs?
who should I trust?

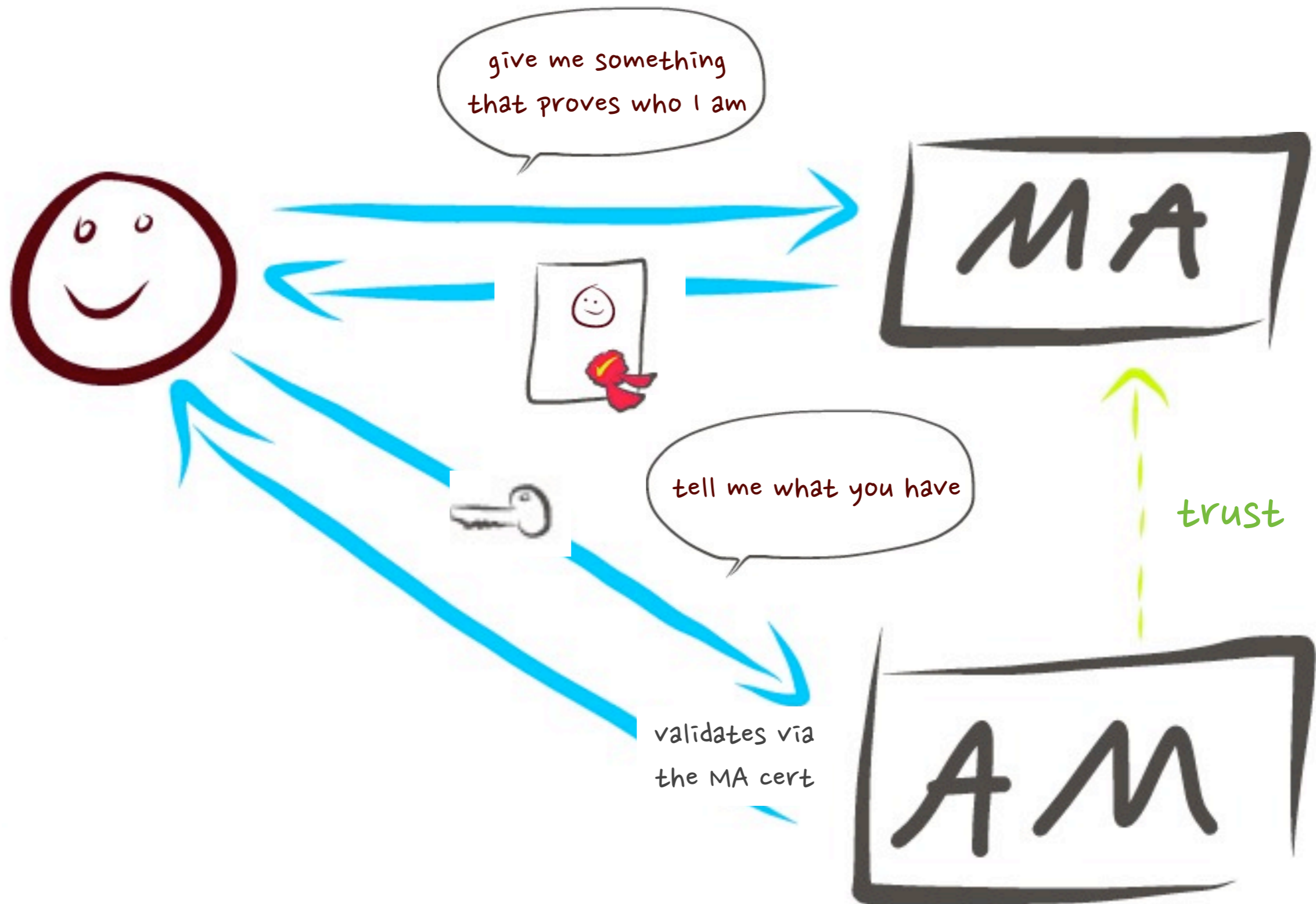
Member Authority

who is this guy?
what is she allowed to?
what is my certificate?

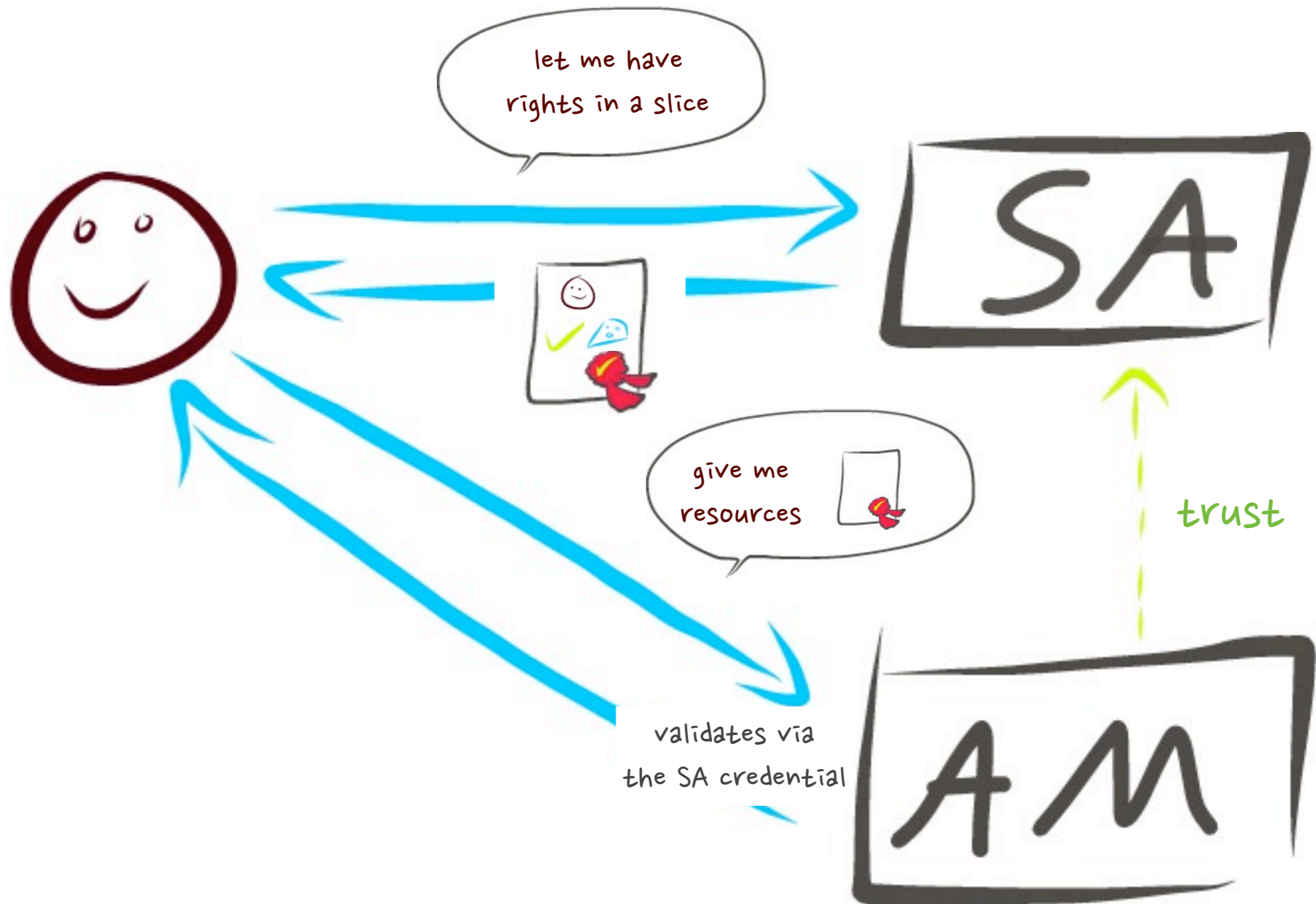
Slice Authority

what slices are there?
what are my creds?
who is member in slice?
what projects are there?

authentication



authorization



clearinghouse

Registry Service

where are the AMS?
where are the SAs?
where are the MAs?
who should I trust?

Member Authority

who is this guy?
what is she allowed to?
what is my certificate?

Slice Authority

what slices are there?
what are my creds?
who is member in slice?
what projects are there?

Registry API

```
function get_version()
```

```
function get_aggregates(options)
```

```
function get_member_authorities(options)
```

```
function get_slice_authorities(options)
```

```
function lookup_authorities_for_urns(urns)
```

```
function get_trust_roots()
```

Slice Authority API

```
function get_version()
```

```
function create_slice(credentials, options)
```

```
function lookup_slices(credentials, options)
```

```
function update_slice(slice_urn,  
                      credentials, options)
```

```
function get_credentials(slice_urn,  
                        credentials, options)
```

Slice Member Authority API

```
function modify_slice_membership(slice_urn,  
                                credentials,  
                                options)
```

```
function lookup_slice_members(slice_urn,  
                              credentials,  
                              options)
```

```
function lookup_slices_for_member(member_urn,  
                                  credentials,  
                                  options)
```

Member Authority API

```
function get_version()
```

```
function lookup_public_member_info(options)
```

```
function lookup_private_member_info(credentials,  
                                     options)
```

```
function lookup_identifying_member_info(credentials,  
                                         options)
```

```
function update_member_info(member_urn,  
                             credentials,  
                             options)
```

```
function get_credentials(member_urn,  
                          credentials, options)
```

federation

- establish the political stuff
- use the uniform API
- install the SA, MA certificate

current implementations

- protoGENI (emulab)
- GPO
- OFELIA



close synchronization

coming up

- Release of Ohouse
- Refactored version of AMsoil

- Speaks-for credentials
- GUI for registration



watch this

house

star the repository

[🔗 https://github.com/motine/Ohouse](https://github.com/motine/Ohouse)