



Fig. 1

1. A&A and the Registry

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- Making multi-endpoint, multi-interface services compatible with auth
- What's within securityMethod?

(cf. Fig. 1)

2. A&A Use cases?

From Registry, I'd say we have:

- "Give me all datasets matching (A and B) or C *that I can access*"
- Were do I get credentials for a given service?
- Make it so authenticated services don't inconvenience existing workflows.

Anything else?

3. DALIInterface

We don't want clients to have to piece together sync, async, VOSI, examples URLs from different interfaces across multiple capabilities.

Rather, brush up TAP 1.0 model to (more in caproles talk):

```
<capability standardID="ivo://ivoa.net/TAP">
  <interface xsi:type="vs:DALIInterface">
    <accessURL>http://example.org/tap/</accessURL>
    <mirrorURL>http://example.com/tap/</mirrorURL>
    <endpoint>async</endpoint>
    <endpoint>sync</endpoint>
    <endpoint>tables</endpoint>
    <endpoint>capabilities</endpoint>
    <endpoint>examples</endpoint>
  </interface>
</capability>
```

I'll not hide that there's quite a bunch of editorial work involved in introducing DALIInterface cleanly; but I claim we need to do that anyway, or we'll struggle against ill-fitting modelling forever.

4. What's in a securityMethod?

Currently: Nothing (except a securityMethodId).

For the "that I can access" use case and OAuth, perhaps:

```
<securityMethod securityMethodId="...#OAuth">
  <authenticator>http://dc1.edu/auth/</authenticator>
  <authenticator>http://ivoa.net/auth/</authenticator>
</securityMethod>
```

But then: That's "that I can log [not: access] on to".

We're approaching AuthZ there. Anyone has a hunch how that would look?

5. Steps

Let's have a note trying out VOResource and RegTAP extensions necessary to cover the basic use case(s).

I volunteer to contribute the Registry side.

Who's got the restricted-access services? And the clients needing to discover them?