

# Community “accounts” protocol

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# Don't Panic!

- Not something “*you* have to implement”
- Not (necessarily) a forthcoming IVOA standard
- Something that AstroGrid/EuroVO find useful...

# Problems with MyProxy

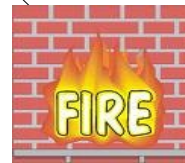


Client



“Bad user!  
Mustn't use port 7512!”

The only consistently-available ports  
are 80 and 443.



“Bad service-provider!  
Mustn't open port 7512!”

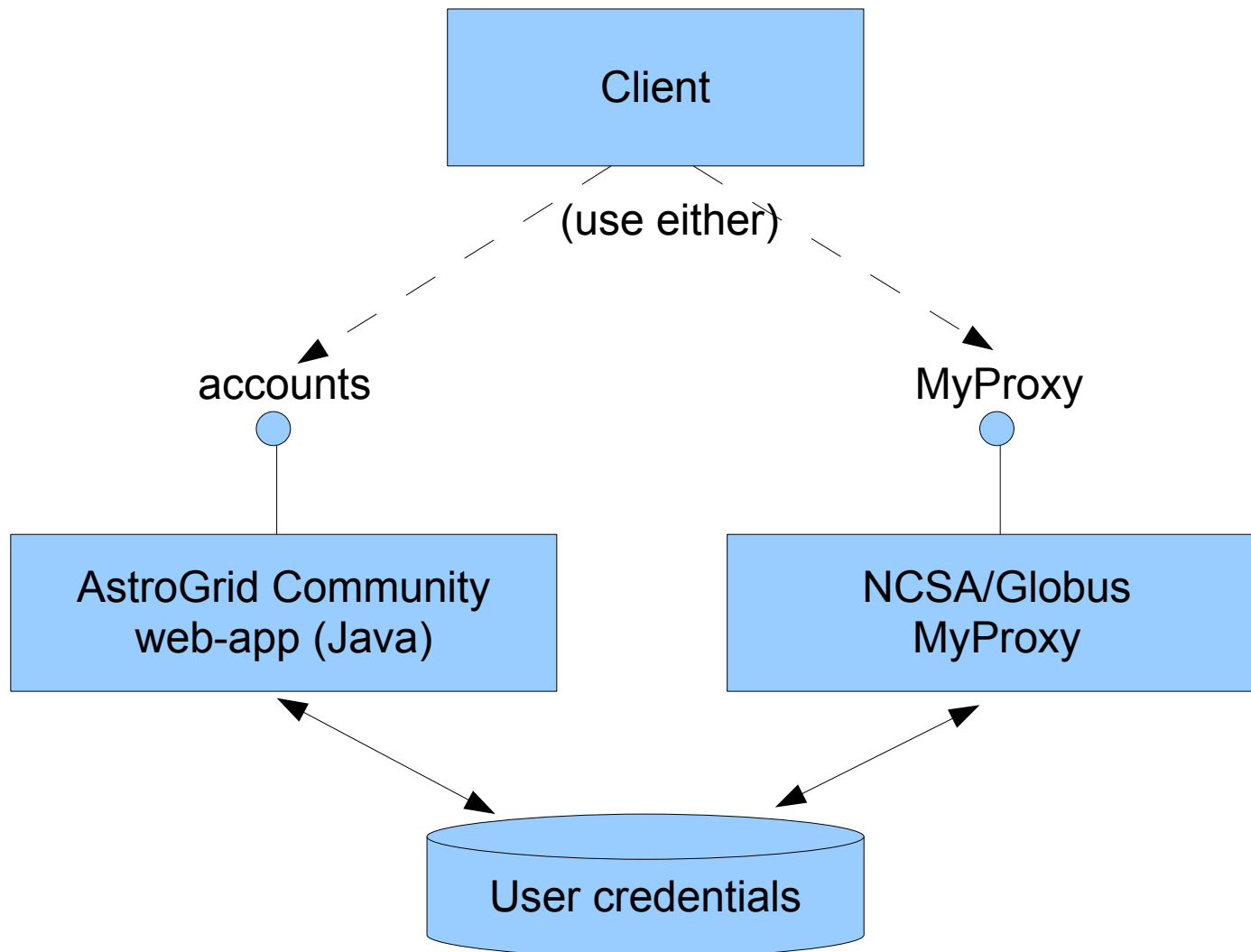


“Bad programmer!  
Mustn't run non-HTTP services!”

Community

Can't bundle non-HTTP services in WARs.  
(AstroGrid has community services in Java web-apps.)

# RESTful alternative



# Accounts protocol: certificates

<https://host.name/community/accounts/GuyRixon/proxy>

Community  
web-app

Protocol  
endpoint

User  
account

Certificate  
chain

- Client generates key-pair
- Client posts public key to .../proxy URI
- Service signs proxy cert. with user credentials
- Service returns cert. chain tipped with proxy

# Accounts protocol: home space

- Found user account in community web-app
- Where is user's VOSpace?
- Ask accounts protocol:

<https://host.name/community/accounts/GuyRixon/home>

Community  
web-app

Protocol  
endpoint

User  
account

Home  
space

↓ Redirects

<vos://authority!key/GuyRixon/>

# Accounts protocol: registration

```
<capability standardID="ivo://org.astrogrid/std/Community/accounts">  
  <interface xsi:type="vs:ParamHTTP" version="2" role="std">  
    <accessURL use="base">  
      https://casx019-zone2.ast.cam.ac.uk:443/community/accounts  
    </accessURL>  
  </interface>  
</capability>
```

# More detail

<http://wiki.astrogrid.org/bin/view/Astrogrid/CommunityAccountsProtocol>

or email [guyrixon@gmail.com](mailto:guyrixon@gmail.com)