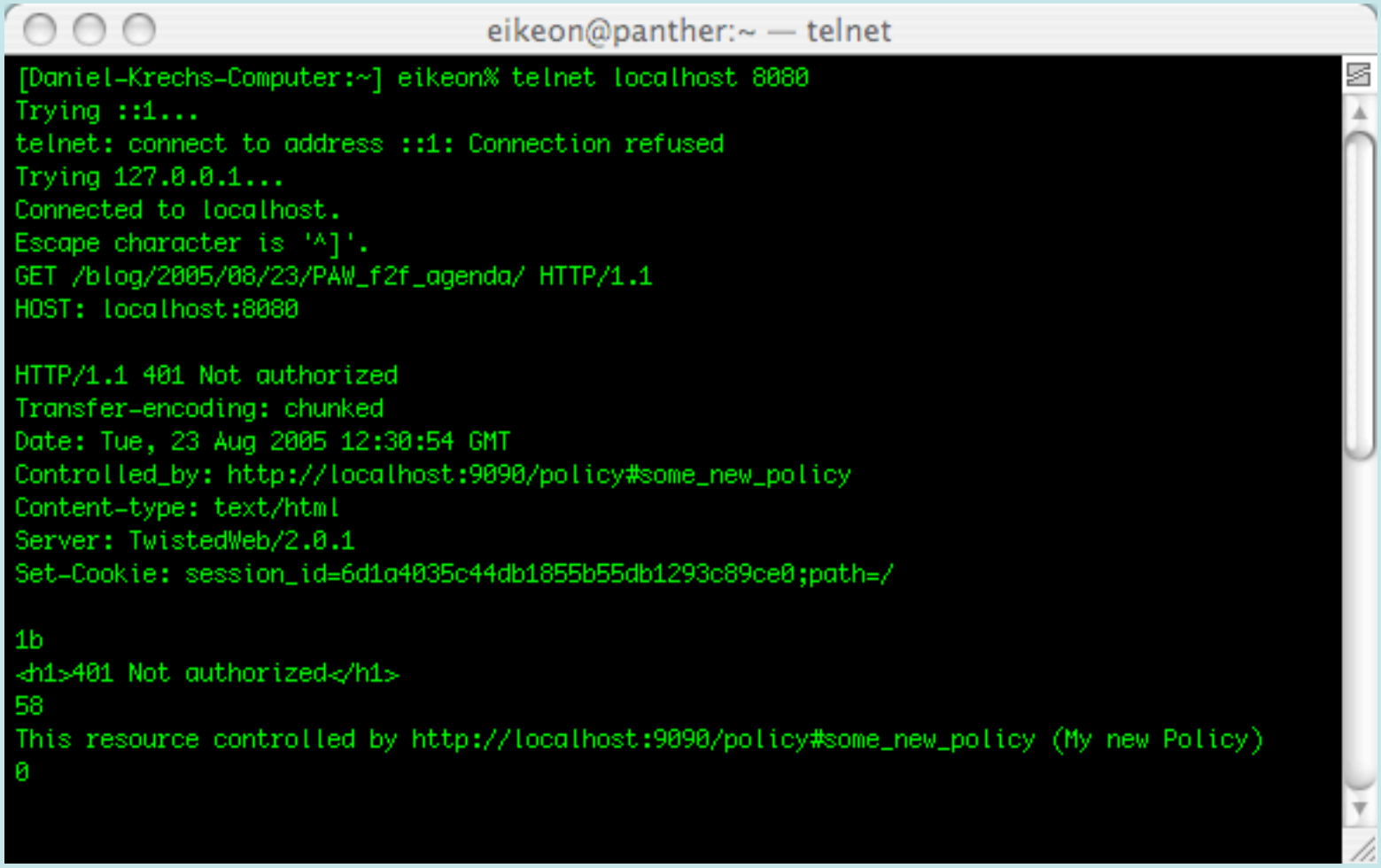
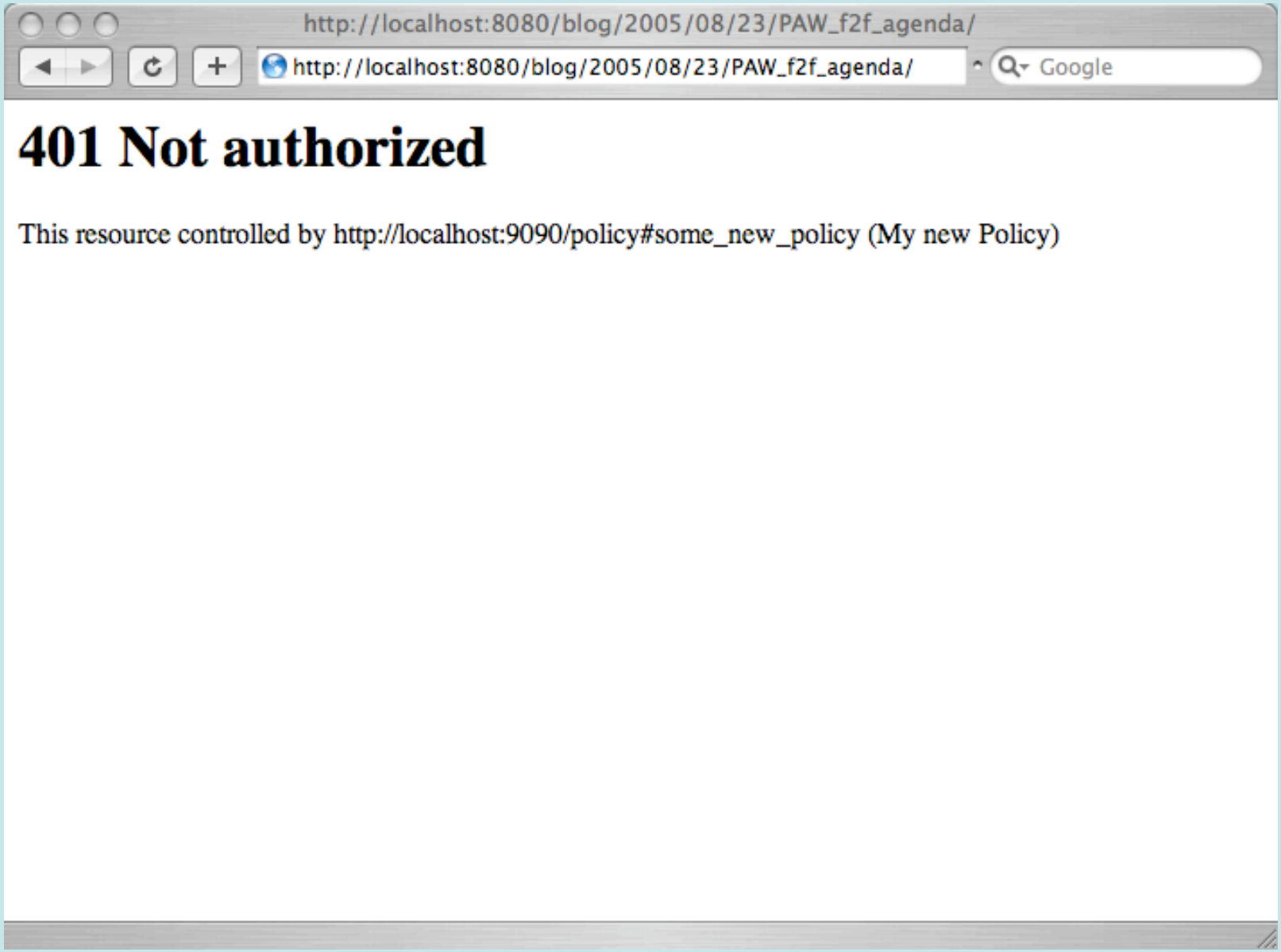
PAW Demonstrator

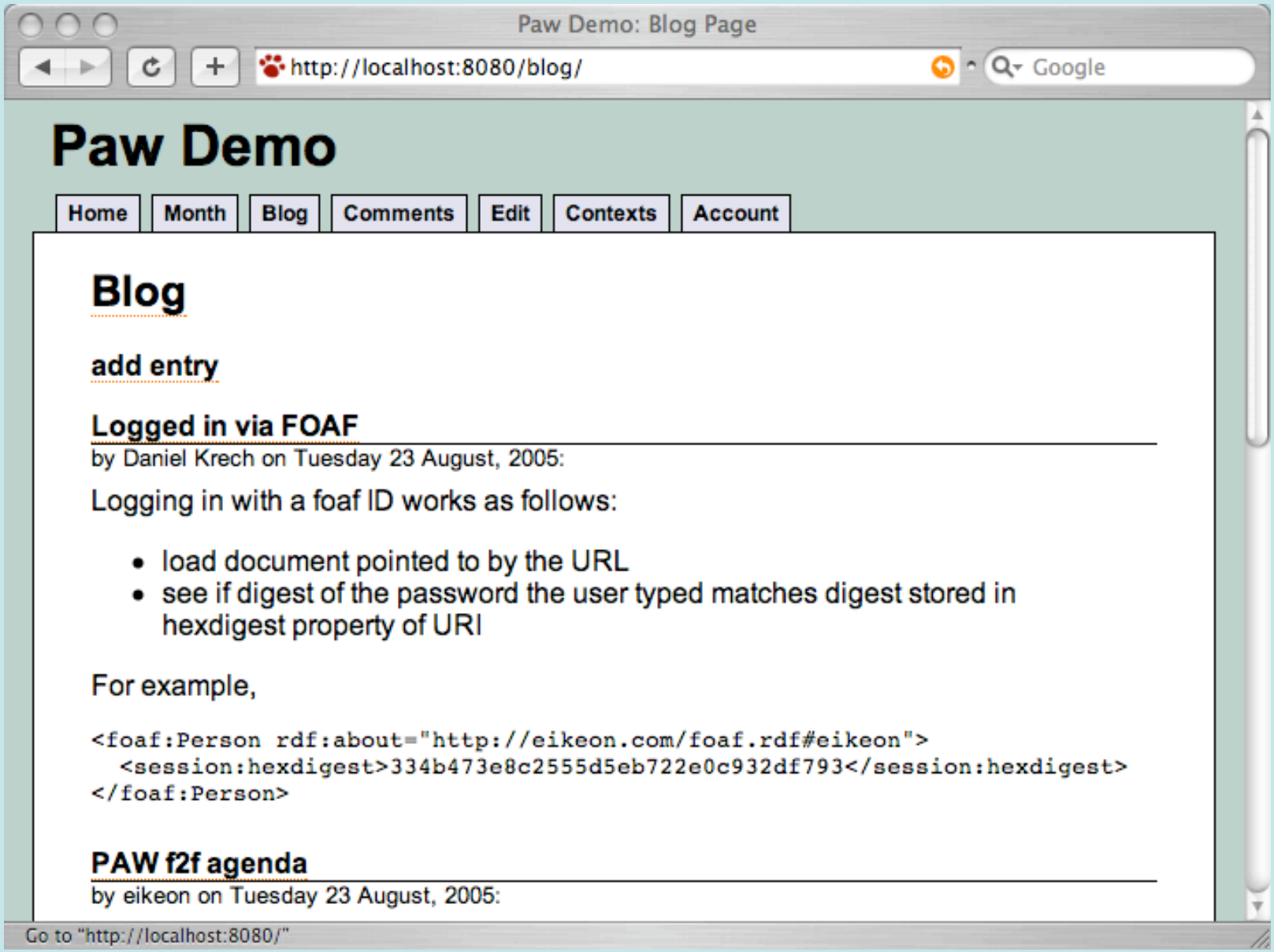
- Purpose: Demonstrate PAW concepts from end to end.
- People:
  - Daniel Krech
  - Vlad Kolovski
  - David Wood

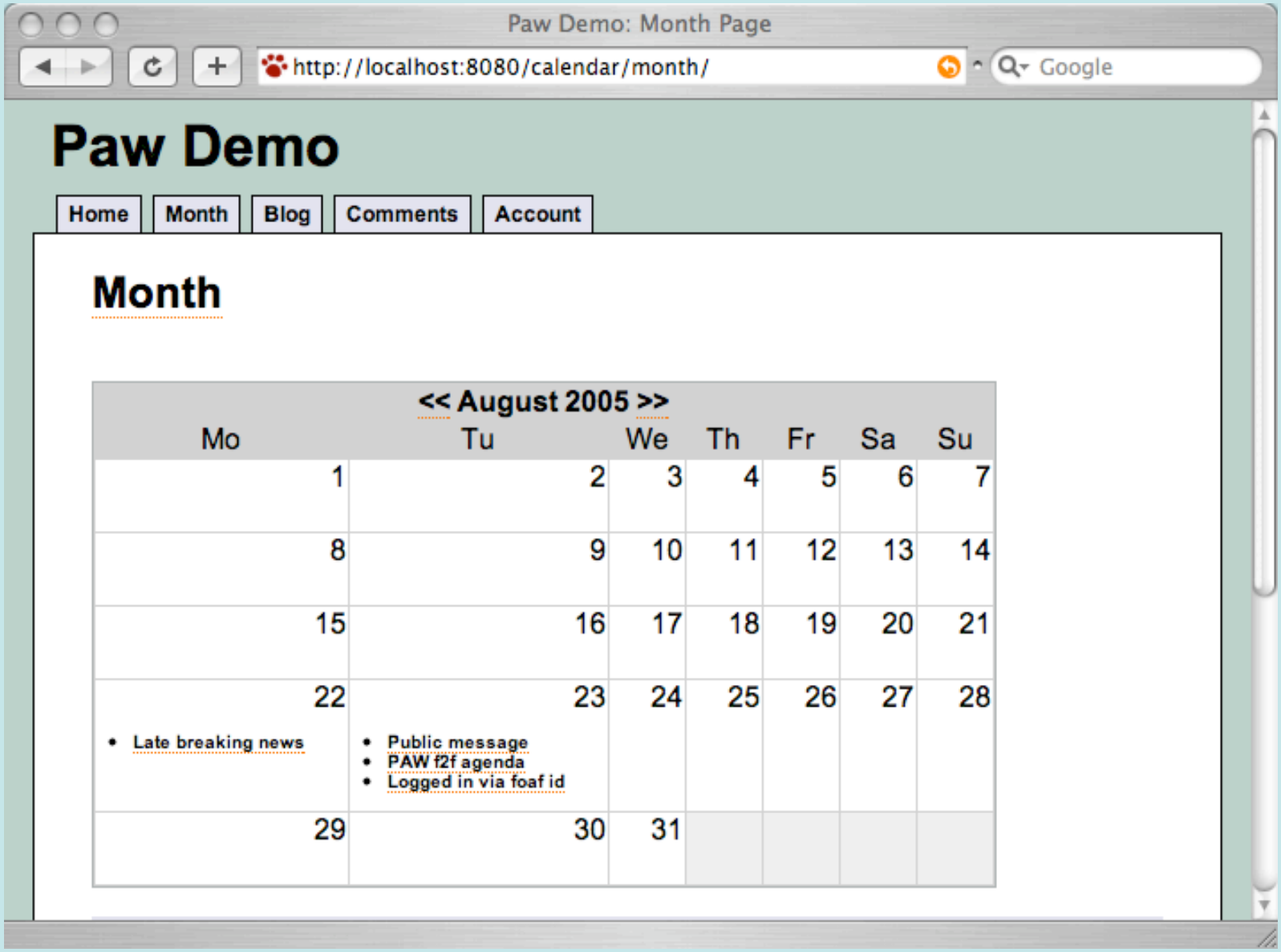
PAW Demonstrator

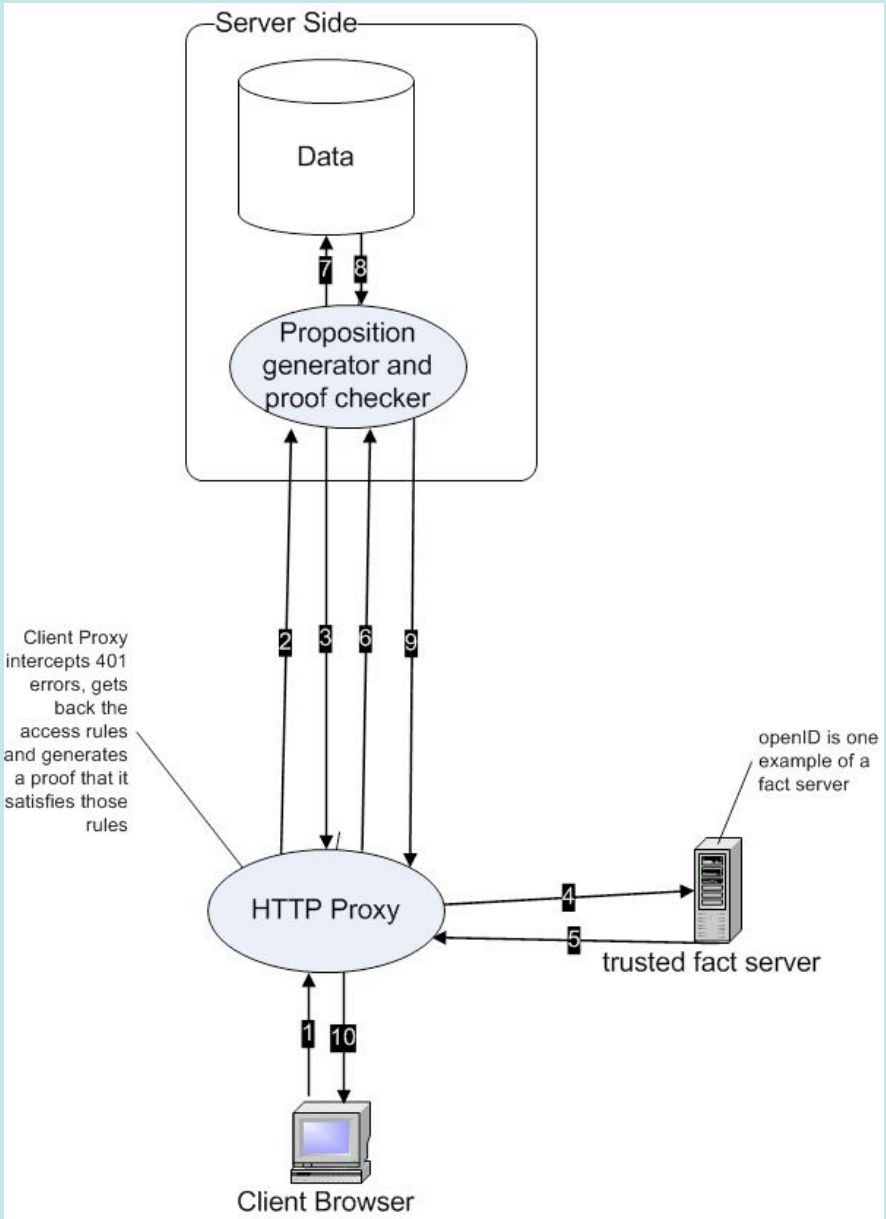
- Live Demo:
  - Aging
  - Calendar with images, REIN integration
  - http://policyawareweb.org/2005/calendar/
  - Maintenance?
- Offline Demo:
  - Newer, but no REIN integration yet
  - Calendar with images, showing 401 errors and “controlled by”
  - (on Daniel’s laptop and temporarily on http://puma.eikeon.com:9090/)


eikeon@panther:~ — telnet
[Daniel-Krechs-Computer:~] eikeon% telnet localhost 8080
Trying ::1...
telnet: connect to address ::1: Connection refused
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
GET /blog/2005/08/23/PAW_f2f_agenda/ HTTP/1.1
HOST: localhost:8080
HTTP/1.1 401 Not authorized
Transfer-encoding: chunked
Date: Tue, 23 Aug 2005 12:30:54 GMT
Controlled_by: http://localhost:9090/policy#some_new_policy
Content-type: text/html
Server: TwistedWeb/2.0.1
Set-Cookie: session_id=6d1a4035c44db1855b55db1293c89ce0;path=/
1b
<h1>401 Not authorized</h1>
58
This resource controlled by http://localhost:9090/policy#some_new_policy (My new Policy)
0


http://localhost:8080/blog/2005/08/23/PAW_f2f_agenda/
http://localhost:8080/blog/2005/08/23/PAW_f2f_agenda/
Google
401 Not authorized
This resource controlled by http://localhost:9090/policy#some_new_policy (My new Policy)


Paw Demo: Blog Page
http://localhost:8080/blog/
Google
Paw Demo
Home
Month
Blog
Comments
Edit
Contexts
Account
Blog
add entry
Logged in via FOAF
by Daniel Krech on Tuesday 23 August, 2005:
Logging in with a foaf ID works as follows:
load document pointed to by the URL
see if digest of the password the user typed matches digest stored in hexdigest property of URI
For example,
<foaf:Person rdf:about="http://eikeon.com/foaf.rdf#eikeon">
<session:hexdigest>334b473e8c2555d5eb722e0c932df793</session:hexdigest>
</foaf:Person>
PAW f2f agenda
by eikeon on Tuesday 23 August, 2005:
Go to "http://localhost:8080/"


Paw Demo: Month Page
http://localhost:8080/calendar/month/
Google
Paw Demo
Home
Month
Blog
Comments
Account
Month
<< August 2005 >>
Mo Tu We Th Fr Sa Su
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
Late breaking news
Public message
PAW f2f agenda
Logged in via foaf id
29 30 31


Server Side
Data
7
8
Proposition generator and proof checker
Client Proxy intercepts 401 errors, gets back the access rules and generates a proof that it satisfies those rules
2
3
6
9
openID is one example of a fact server
HTTP Proxy
4
5
trusted fact server
1
10
Client Browser

PAW Demonstrator

- Next Steps:
  - Integration of REIN into newer demo
  - Implement client proxy with proof construction
  - Use of openID, etc, for distributed authentication
  - Add “real” data so we can show it to others
  - Other suggestions/requests?
- Open Issues:
  - How is policy served to client? Link in 401 error msg?
  - How is proof served to server? HTTP GET vs. POST