Authenticating with Sessions

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Http Authentication

- Http Request to an authenticated Resource
  - PROPFIND /private

- Http Response
  - WWW-Authenticate: Basic realm="dcache.org"

- New request with hashed password
  - Authorization: Basic ZGFddfibzsdfgkjheczI1NXRleHQ=
Http Authentication Problems

• Close Browser to logout
  • Ok for dumb clients, not for browsers

• Http Protocol is stateless
  • Authentication with each request

• No Multiple accounts support

• Password dialog customisation not possible
  • Can be confusing to users
Sessions to the rescue

• **Session**
  - A sequence of client/server interactions
  - Initiated by a single client
  - Valid for the duration of some work unit”

• **Http Session**
  - Identifies a user (without authentication)
  - Across multiple page request/responses
  - Can be used to store/access information about that user
GET /api/v1/namespace/private?children=true

Anonymous; WWW-Authenticate: Basic

GET /api/v1/login?session=new

Set-Cookie: SESSIONID=dfsflslfjls;Expires=....

GET /api/v1/namespace/private?children=true

Cookie: SESSIONID=dfsflslfjls

Response: { .... }

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GET /api/v1/login?session=renew

Cookie: SESSIONID=dfsflslfjls

Set-Cookie:
SESSIONID=node01i23cu0ye31eqzelzv0xbhneb0.node0;Path=/

POST /api/v1/logout

Cookie: SESSIONID=dfsflslfjls;

Set-Cookie:
SESSIONID=node01n08l0j2n6pejl5sp2a8fab781.node0;Path=/
Configuration

- `dcache.enable.http-session = true`
- `webdav.enable.http-session = true`
- `frontend.enable.http-session = true`
DEMO !!!
Thank You !!!