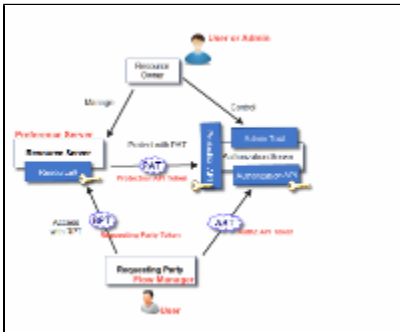


Accessibility Support

UMA for GPII Pilot Activities

- Experiments with the SMART Team's [PUMA](#) Python library for UMA are beginning. The GPII community will eventually want an implementation of the requesting party client in node.js and PUMA seems like a promising way to do light-weight PoCs to show what needs to be done. Current plans have the OX stack providing the AuthZ Server component.
 - Unicon engaged to provide [consulting support for above proof of concept](#) work with PUMA
- Ongoing meetings with GPII privacy and security architecture teams
- [GLUU demo of UMA capabilities](#)
- [GLUU demo stack](#) at Brown U.
- The wiki for the GLUU software: <http://ox.gluu.org/doku.php>
- An introduction to the GPII architecture: http://wiki.gpii.net/index.php/A_Detailed_Tour_of_the_Cloud4all_Architecture
- GPII Security and Privacy Notes: http://wiki.gpii.net/index.php/Security_and_Privacy_Architectural_Research

UMA for GPII flows



User stories

Use case featuring a User Managed Access (UMA) model: "Management and Sharing of Personal Accessibility Needs and Preferences"



Class diagram for digital resources and attributes relevant to a subject's accessibility preferences

```

graph TD
    A[Symptoms] --> B[Fuzzy Inference]
    B --> C[Fuzzy Output]
    C --> D[Defuzzification]
    D --> E[Fuzzy Output Defuzzified]
    E --> F[Fuzzy Output Defuzzified Threshold]
    F --> G[Fuzzy Output Defuzzified Thresholded]
    G --> H[Fuzzy Output Defuzzified Thresholded Thresholded]
  
```

credits: Access for all abstract model from ISO/IEC 24751-1

- [Print disability and access to specialized versions of copyrighted materials](#)

- ISO/IEC 24751 parts 1-3, "Individualized adaptability and accessibility in e-learning, education and training" at <http://standards.iso.org/ittf/PubliclyAvailableStandards/index.html>
- <http://gpil.net/> <== Global Public Inclusive Infrastructure (GPIL)
 - <http://wiki.gpil.net/index.php/Preferences> <== GPIL work on Personal Needs and Preferences
- <http://imglobal.org/accessibility/> <== IMS Accessibility for All v3.0
 - <http://wiki.fluidproject.org/display/ISO24751/AccessForAll+Working+Group> <== ISO/IEC 24751 revisions