

ACAMP2010 - AssessPolicyEnginesUsingPacmanUseCases

Wiki space for work on 2010 Advance CAMP Action Item:

Assess Various Policy Engines using MACE-Pacman Benchmark Use Cases

On XACML

- [XACML](#) stands for eXtensible Access Control Markup Language. It is a declarative access control policy language implemented in XML and a processing model, describing how to interpret the policies.
- ["Multiple-Implementation Testing for XACML Implementations"](#)

| | Overview |
|----------------------------|---|
| Deliverables /Goals | <ol style="list-style-type: none">1. List of Policy Engines to be evaluated<ul style="list-style-type: none">• HERAS AF XACML Core• SpocP• Sun XACML• PERMIS• Axiomatics2. Selection of benchmark use cases from MACE-Pacman to be run. Note that there are links to solution outlines via Grouper, PerMIT and Kuali RICE<ul style="list-style-type: none">• Course Deadline Extended• Old and New Payroll Clerks• Dorm Access for Residential Advisers• Professional Organizations and Federations• Drug Restocking Approval• Delegated Directory Administration3. English language expression of policies implicit in each use case<ul style="list-style-type: none">• Multiple representations may be needed4. Expression of English language policies in XACML5. Develop set of test cases, evaluate each test case with each policy engine6. Report on policy language and policy engine evaluations including lessons learned, suggested next steps |
| Group Members | <p>Leif Johansson, Tom Dopirak, Keith Hazelton...</p> <p>Mailing List: <polengine@internet2.edu> To subscribe, send mail to <pubsympa@internet2.edu> with the SUBJECT:</p> <div><pre>sub polengine FirstName LastName</pre></div> |
| Assistance desired | <ul style="list-style-type: none">• "anyone able to offer a test instance of a policy engine?• anyone who has installed one of selected policy engines willing to help this WG install them?• Does anyone at a campus that has a production implementation of an identifiable Policy Decision Point (PDP) component? If so, are you willing to be contacted with questions about your experiences? |
| Status | <ul style="list-style-type: none">• "polEngine" list created• Deliverables 1 and 2 completed• Adoption of Policy Engine work as a MACE-PACCman WG work item |
| Milestones | <ul style="list-style-type: none">• English language expression of policies implied by two or three use cases• ...Ontology capturing business process, PDP, PEP• ...XACML expressions for above policies• Spocp expressions for above policies and for PEP query to PDP• Test instance of at least one policy engine installed and configured• ...Test suite for above XACML policies• Results of at least one run of test suite on the test policy engine• ...Installation, configuration and testing of XACML-based PAP, PDP, PEP (Axiomatics) |

Working Area

