DRINKS WG
Open source Project

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Session Peering Provisioning Protocol and Transport
draft-ietf-drinks-spprov-05
draft-ietf-drinks-sppp-over-soap-02

Motivations

- Verify SPPP protocol
  - Implement the baseline protocol
  - Verify protocol definition in detail
  - Check common protocol commands, data structures and error codes
- Create some test cases & validate use cases
  - Help unit test of various implementations
  - Provide a test bed for interoperability testing
  - Generate protocol test cases, and test tools with config/data files for SPPP data testing
- See announcement to list
  - http://www.ietf.org/mail-archive/web/drinks/current/msg00878.html

Approach

- Open to anyone who commits time
- Initial (current) Phase
  - Start with limited scope focused on protocol validation to finalize document
  - Drive limited interop testing of SPPP based on two or three implementations
  - Get project lead and demonstrate by IETF#81
- Next Phase
  - Re-scope and determine what to do next based on contributors and motivation

Progress Report

- David is mentoring two students who are actively working on implementation
  - Core protocol implementation in progress
  - Working on implementation of basic client and server
- Tasks not started
  - Deal with application logic, such as:
    - Specific Use Case implementation
    - Authentication / Authorization / Peering
  - Open Source Community tools

Thus far…

- Generated appropriate Java interface and classes from the WSDL/XML schema
- Annotated the classes that represent the data model as persistent entities
- Used a Hibernate tool to generate a relational schema from those classes
- Created database (mySQL) from generated schema
- Implemented the interface, using Hibernate for persistence and retrieval
- In process of writing unit tests for each of the interface methods, to be used for debugging implementation

Next Steps

- Hire a Project Manager
- Set Open source infrastructure
  - Legal framework and open license
  - Portal
  - Source control
  - etc.
- Review scope and roadmap by the next IETF meeting

Out of Scope - What this is not…

- Not a Reference implementation *yet*
- Not an optimized implementation of SPPP
- Not about registry operators
  - This is about protocol implementers and getting the IETF protocol done

Feedback, please!

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