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
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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