

Note Well

- All public side meetings are subject to the IETF Note Well; participants are expected to follow the usual IETF policies on personal conduct, IPR disclosure obligations, etc.

Goal of this meeting

- Scope of work, define
 - Motivation
 - Problem to solve
 - Deliverables
 - Collect input for requirements
- No-goal for today
 - Where to do this work (REGEXT, new WG)

Motivation

- Need to unify provisioning landscape of registry operations beyond pure provisioning of domain names
- Difficulties to deploy and scale EPP operation in modern cloud native environments
- Lack of support in modern development and operational tooling for pure TLS-based protocol
- Difficulty to integrate state-of-the-art authentication and authorisation frameworks and solutions into existing EPP infrastructure

Problems to solve

- Scalability
 - Stateless deployment in modern cloud native environments
- Performance
 - Load balancing, request level vs session
- Usability
 - Align with modern software development environments and tooling.
 - Simple integration
- Security
 - Re-use existing schemes and solutions for HTTP security
- Avoid fragmentation
 - Preventing pre-EPP situation, multiple RESTful APIs for provisioning

Deliverables

- Requirements document
- Documents published as Proposed Standard RFPs:
 - RESTful-based provisioning protocol with XML representation
 - JSON representation for RESTful-based provisioning protocol

Requirements

- Apply REST principles with use of HTTP verbs and paths to model the protocol
- Compatibility with existing EPP semantics defined in the EPP RFCs, in
- Remove use of payloads if it's not required