

I2RS Protocol Requirements

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Purpose

- Define requirements for an I2RS protocol between applications (clients) and network elements (I2RS Agents)
- Consolidate protocol requirements in a single document
 - Expand on protocol aspects outlined in I-D.ietf-i2rs-problem-statement
 - Refine requirements from [I-D.ietf-i2rs-architecture]

Document Structure

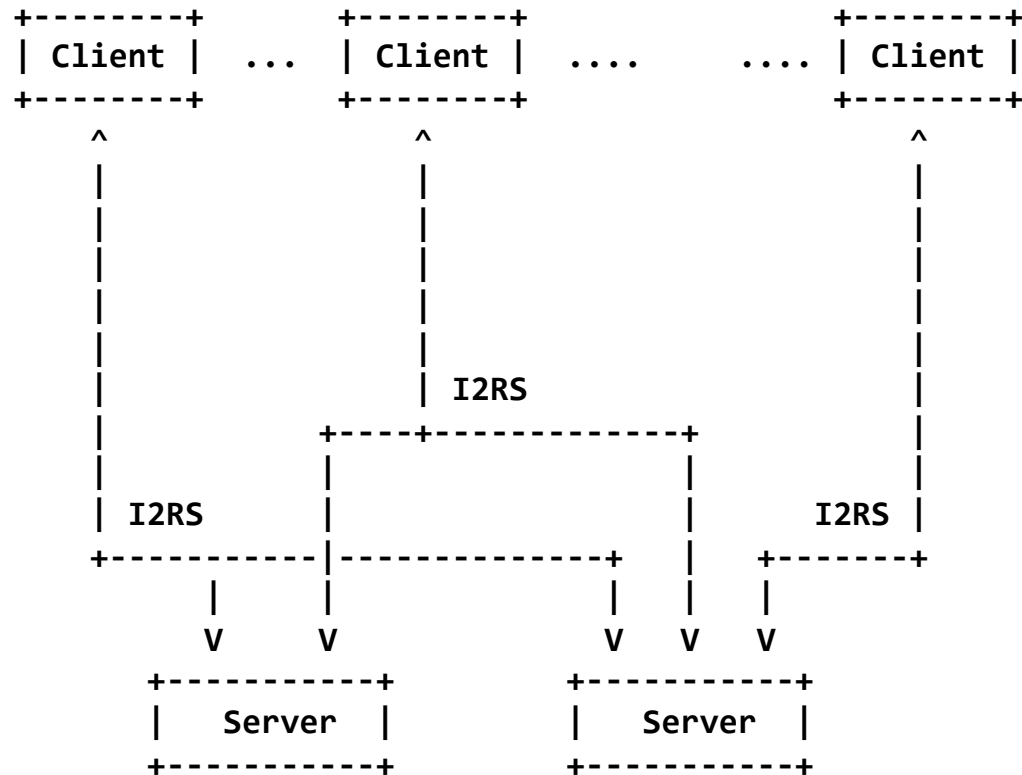
- Terminology
- I2RS Protocol High Level Design Objectives
 - Core guiding principles/objectives for defining the specifics of I2RS protocol(s)
- I2RS Protocol Requirements

Requirements Drive:

- Common understanding of critical I2RS protocol characteristics.
- Consideration of significant framework aspects during the design process
- Technology evaluation choices for I2RS

General Assumptions

Context:



Protocol Requirements

- Transport Requirements
- Identity Requirements
- Message Encoding Requirements
- Message Exchange Pattern Requirements
- API Method Requirements
- Service and SDM Requirements
- Security Requirements
- Performance and Scale Requirements
- High Availability Requirements
- Application Programmability Requirements
- Operational Requirements

Questions?