

Identifier Management for I2RS Protocol

draft-chen-i2rs-identifier-management-00

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Motivation

- If the hold timer for an I2RS session expires, the I2RS Agent should delete the I2RS data associated with the I2RS Client.
- Two (or more) clients may attempt to manipulate the same piece of data on the I2RS Agent.
- Define how to deploy identifier and priority associated with each I2RS Client.

Solution overview

- When the I2RS session is opened, an I2RS Client should advertise to an I2RS Agent that the I2RS Client's identifier and priority.
- The I2RS Client's identifier and priority should be managed by the I2RS Agent, and associated with its I2RS session.
- When the I2RS session is active, the I2RS Client can only update its own priority, and it must not update other client's priority.
- In addition, I2RS Client's identifier management data model **MUST** be supported by the I2RS Agent.

YANG Tree Diagram

```
module: ietf-i2rs-idm
  +--ro identifiers
    +--ro identifier* [name]
      +--ro name      identifier
      +--ro priority? uint8
      +--ro session-id? uint32
  rpcs:
    +---x set-priority
      | +--ro input
      | +--ro priority?  uint8
    +---x advertise-identifier
      +--ro input
      +--ro identifier?  identifier
      +--ro priority?    uint8
```

Next Step

- Comments welcome
- Looking for interested people...

Thanks!