An RDAP Extension for Geofeed Data

Request for Adoption

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Background

- RFCs 8805 and 9092 (and its update I-D) detail the IP geolocation feed (aka geofeed) concept
  - Reduces network latency between enterprise networks and Internet Service Providers (ISPs)
  - Localizes internet services by region
- RFC 9092 hints at using RDAP for accessing geofeed data through the remarks field
- This proposal defines a new RDAP extension for geofeed data to afford a purposed RDAP field instead
Proposal

- Extends the IP Network object class to include a new geofeed member
- Elided example of an IP Network object with `geofeedv1` extension and `geofeedv1_geofeed` member:

  ```json
  {
    "rdapConformance" : [ ... , "geofeedv1" ],
    "objectClassName" : "ip network",
    "handle" : "XYZ",
    ... 
    "geofeedv1_geofeed" : "https://example.net/geofeed"
  }
  ```

- Includes privacy and security considerations
Request For Adoption

- RFC 9092 authors support the proposal
- RIR communities, including ISPs and enterprises, asking for it
- Request for adoption to help standardize geofeed data access through RDAP
References