

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:

```
{  
  "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

- Finding and Using Geofeed Data —
<https://datatracker.ietf.org/doc/draft-ietf-opsawg-9092-update/>
- An RDAP Extension for Geofeed Data —
<https://datatracker.ietf.org/doc/draft-jasdips-regext-rdap-geofeed/>