

Populate ASN Information During Data Ingest

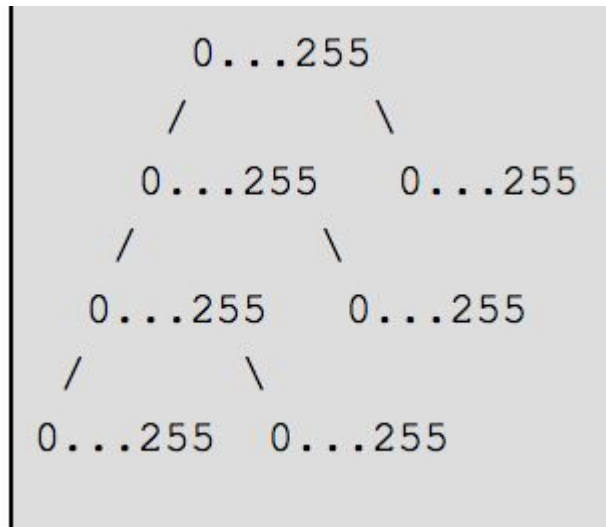
Issue With Data Flow



- Adds Geolocation
- Missing ASN annotation
 - ASN
 - ASN Owner
 - Matching prefix

Solution

- Populate a trie with the current MaxMind data
 - Tries are used for LPM in many routing systems
 - Each entry in the Trie contains:
 - ASN
 - ASN Owner
 - At most 4 lookups required to obtain all required data



- Incorporate populating and querying trie into existing functionality for populating Geo data

Summary of Work

- Understanding the project and source
- Added functionality to populate trie
- Stopped at Go compilation

