

3 - Transformation Logic (What changes per record)

Transform Each Feature (Renames + Derived Fields + CRS Conversion)

For each feature in each file:

1. **Load & parse** GeoJSON FeatureCollection
2. **Rename fields** using schemaMapper.xlsx
3. **Add derived fields:**
 - **Geometry_Type** = copied from geometry.type
 - examples: Point, Polygon
 - **Geometry_Status** = derived from date comparison
 - New if Created_Date == Last_Edited_date
 - Updated if different
 - Unknown if missing
 - **puid** = created from blockid (observed in blocks output)
4. **CRS conversion:** EPSG:2193 (NZTM) → CRS84/WGS84 (lat/long degrees)
5. **Write transformed GeoJSON output** (validation checkpoint)