QField in an enterprise setting

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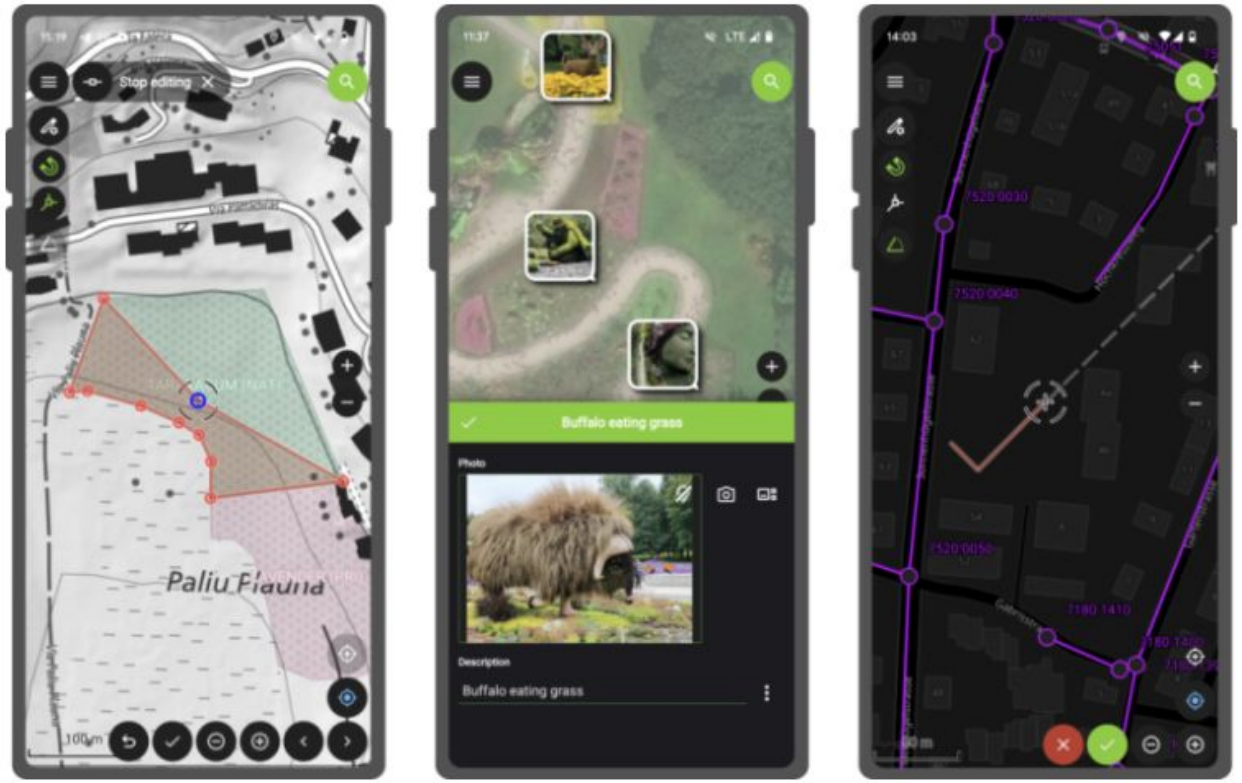
What does enterprise look like?

- A central repository of data
- ETL
- Web clients
- Desktop clients
- API - WFS / WMS for third party applications
- Authentication
- Audit / paper trail
- Maintenance costs
- and now mobile data capture

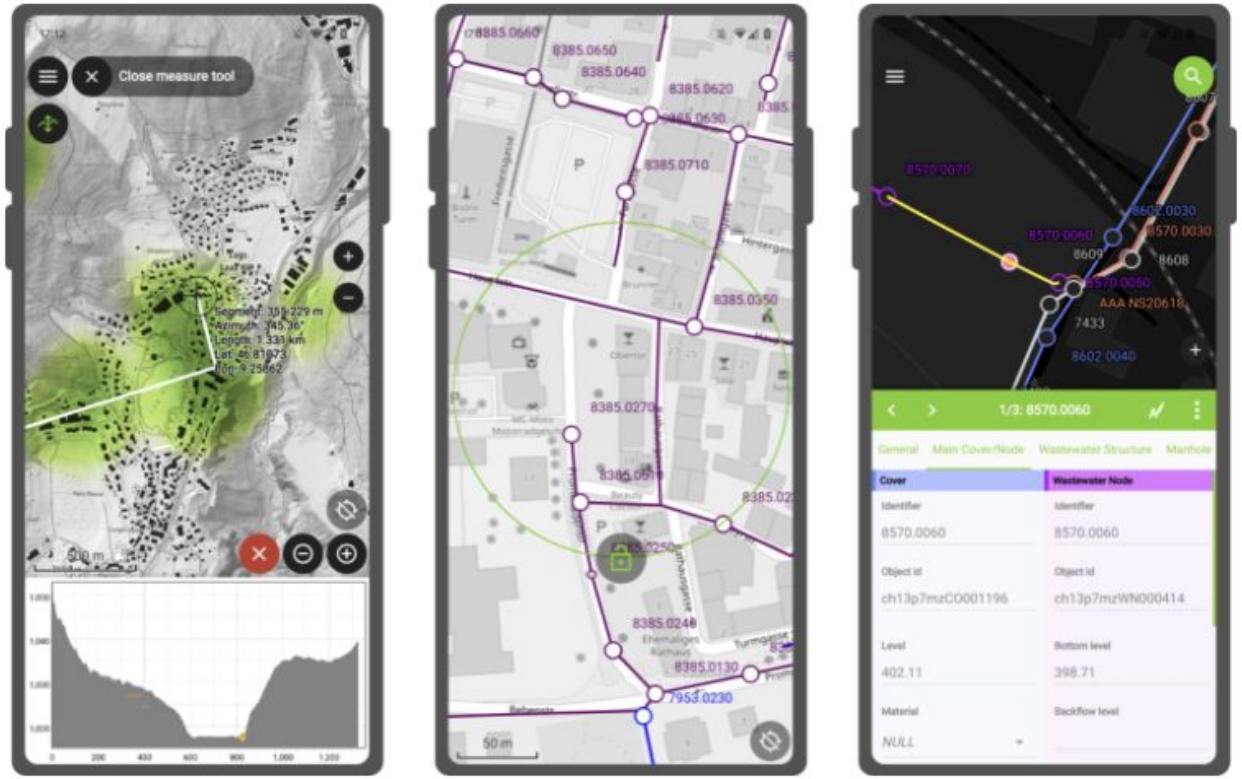
QField / QFieldCloud

- QField App
- QFieldCloud
- History - 2011 first commit as “Quantum GIS for Android”
- QField 2 week release cycle
- 250k monthly users
- QFieldCloud Sync Plugin
- QFieldCloud SDK

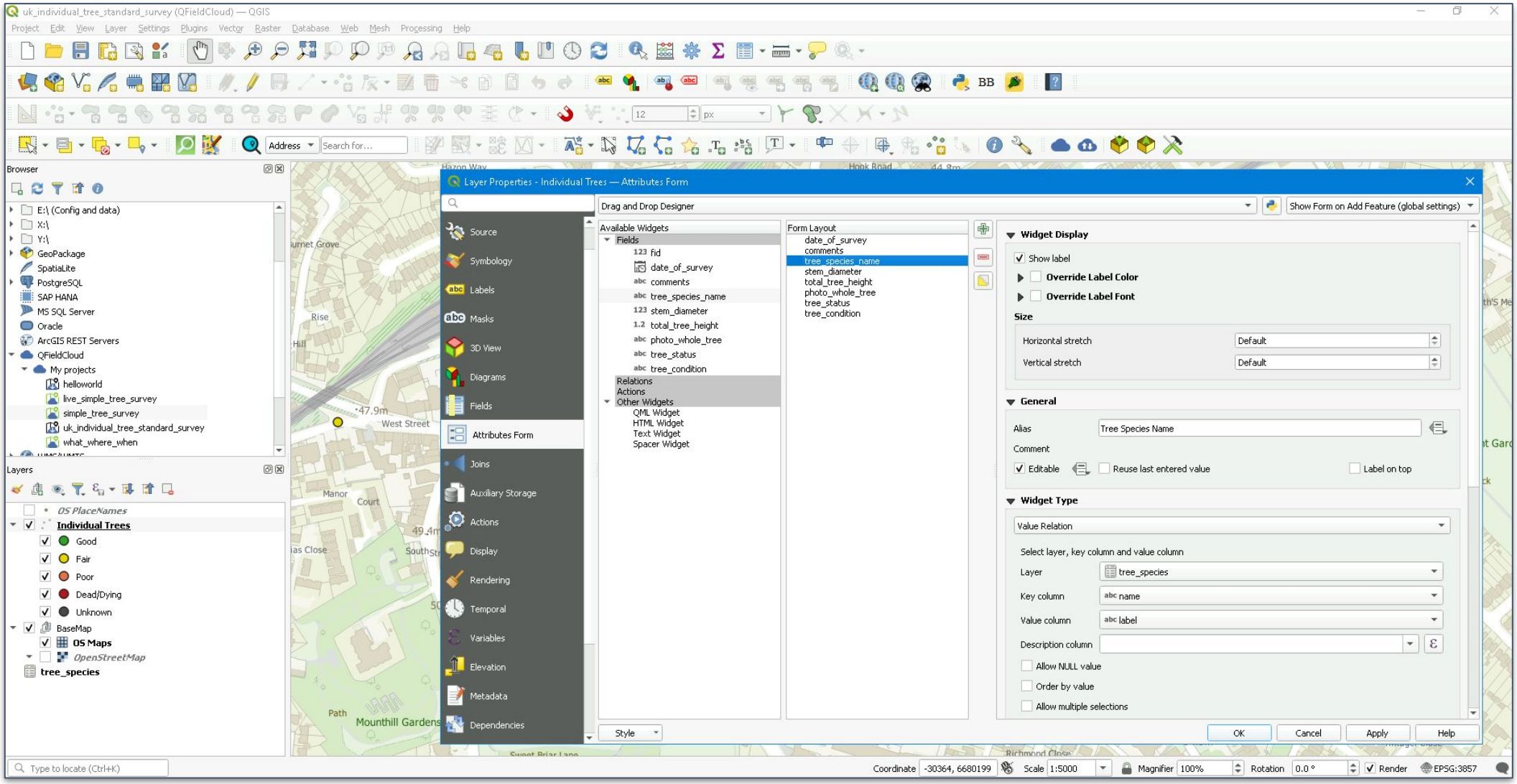


Benefits

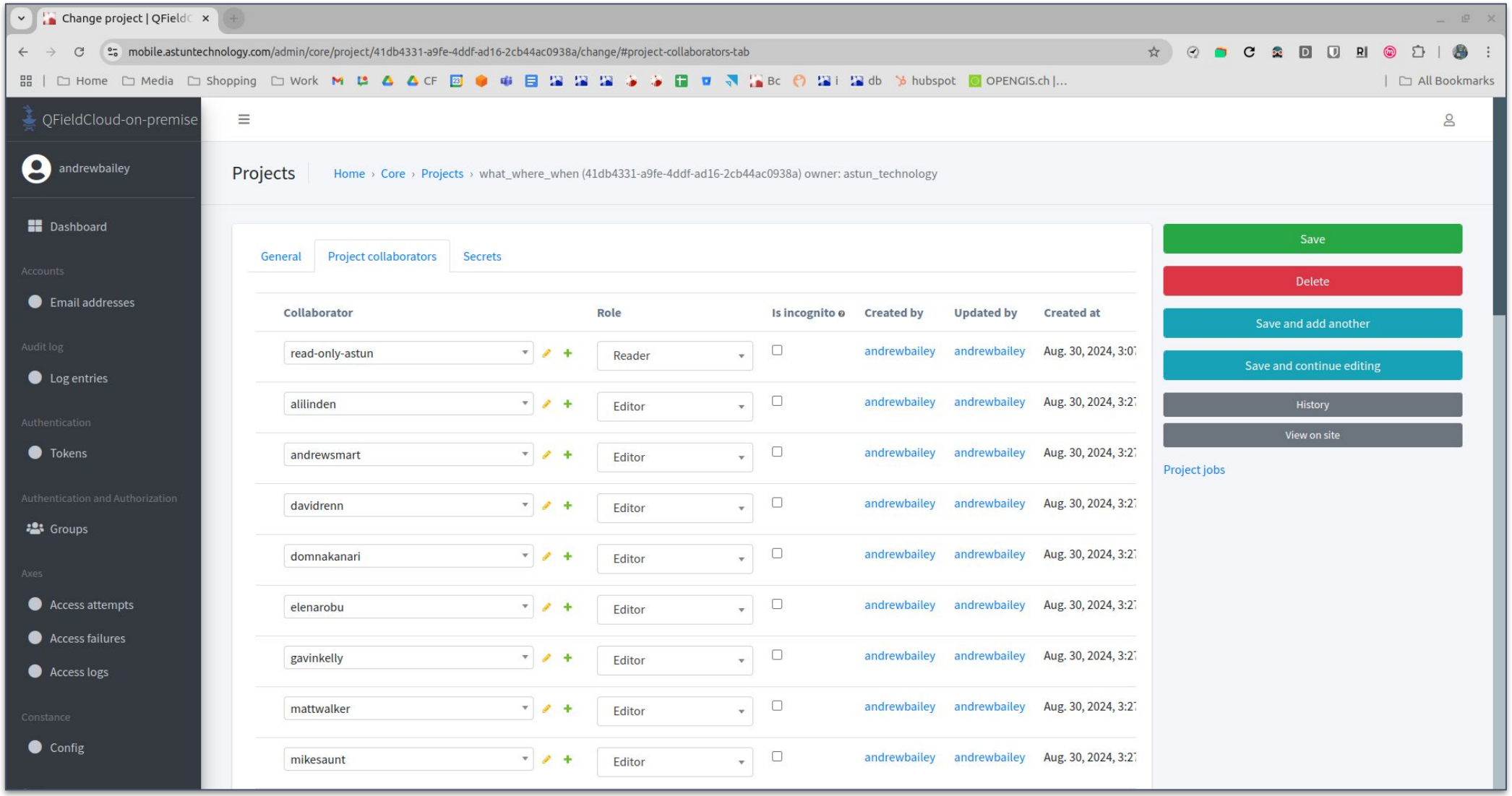
- QField == QGIS
- Offline Editing
- Multiple Users
- Teams / Roles
- Customisable Forms
- Audit Trail
- High Precision GPS
- Tracking
- Plugins
- Layout / Atlas PDFs



QField starts with a project in QGIS



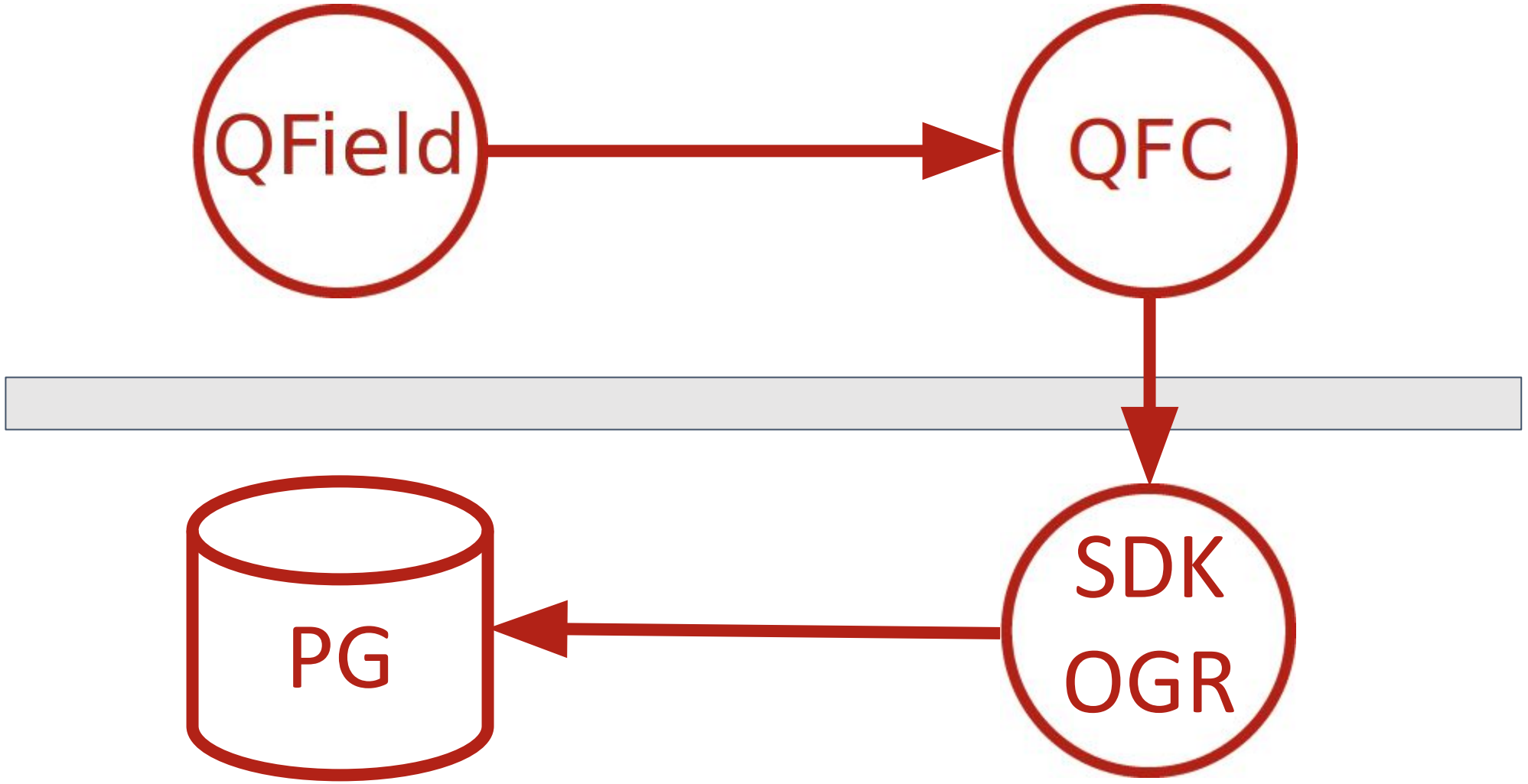
Invite collaborators & set permissions



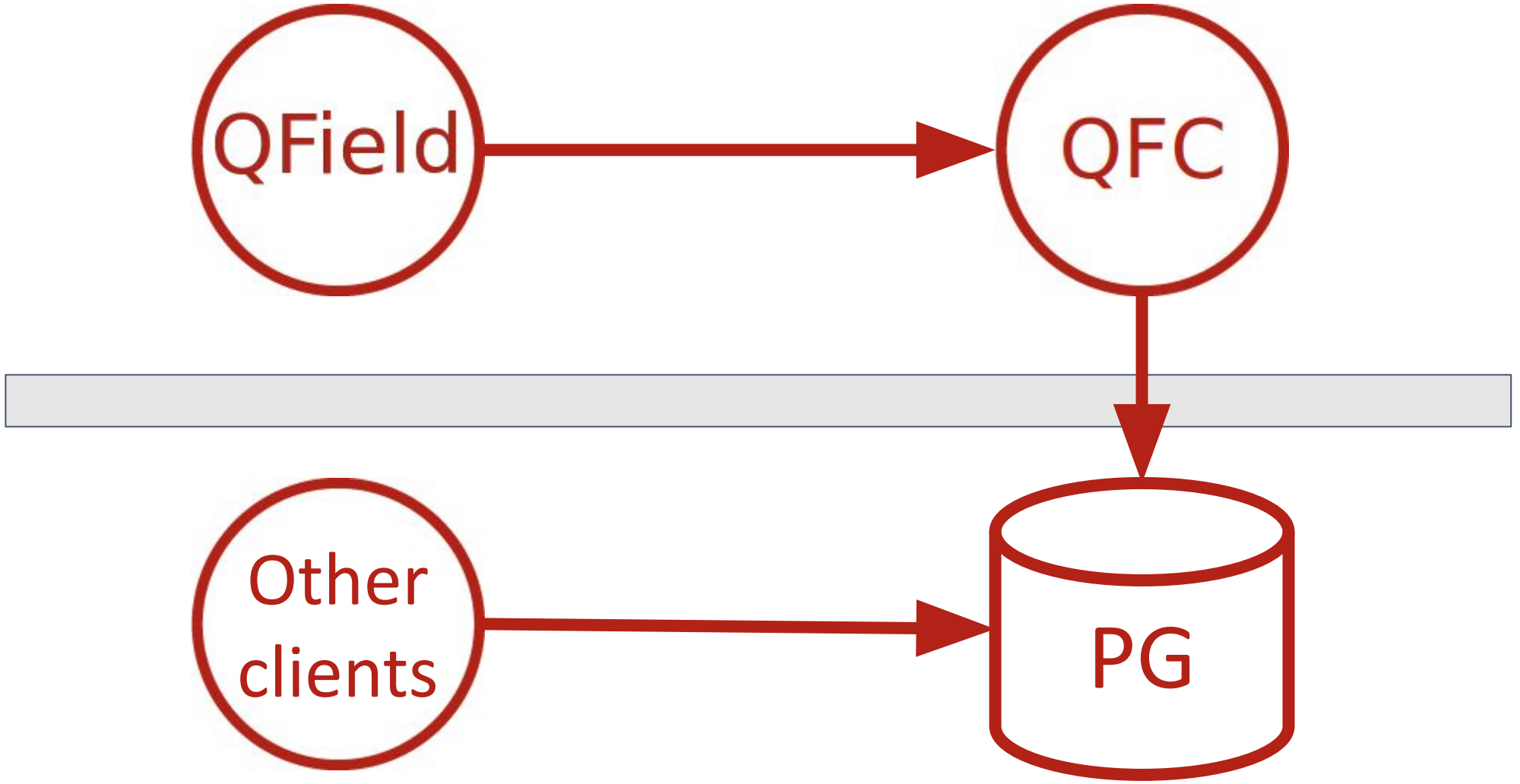
Warning: 5 diagrams that all look very similar…

…I can only apologise

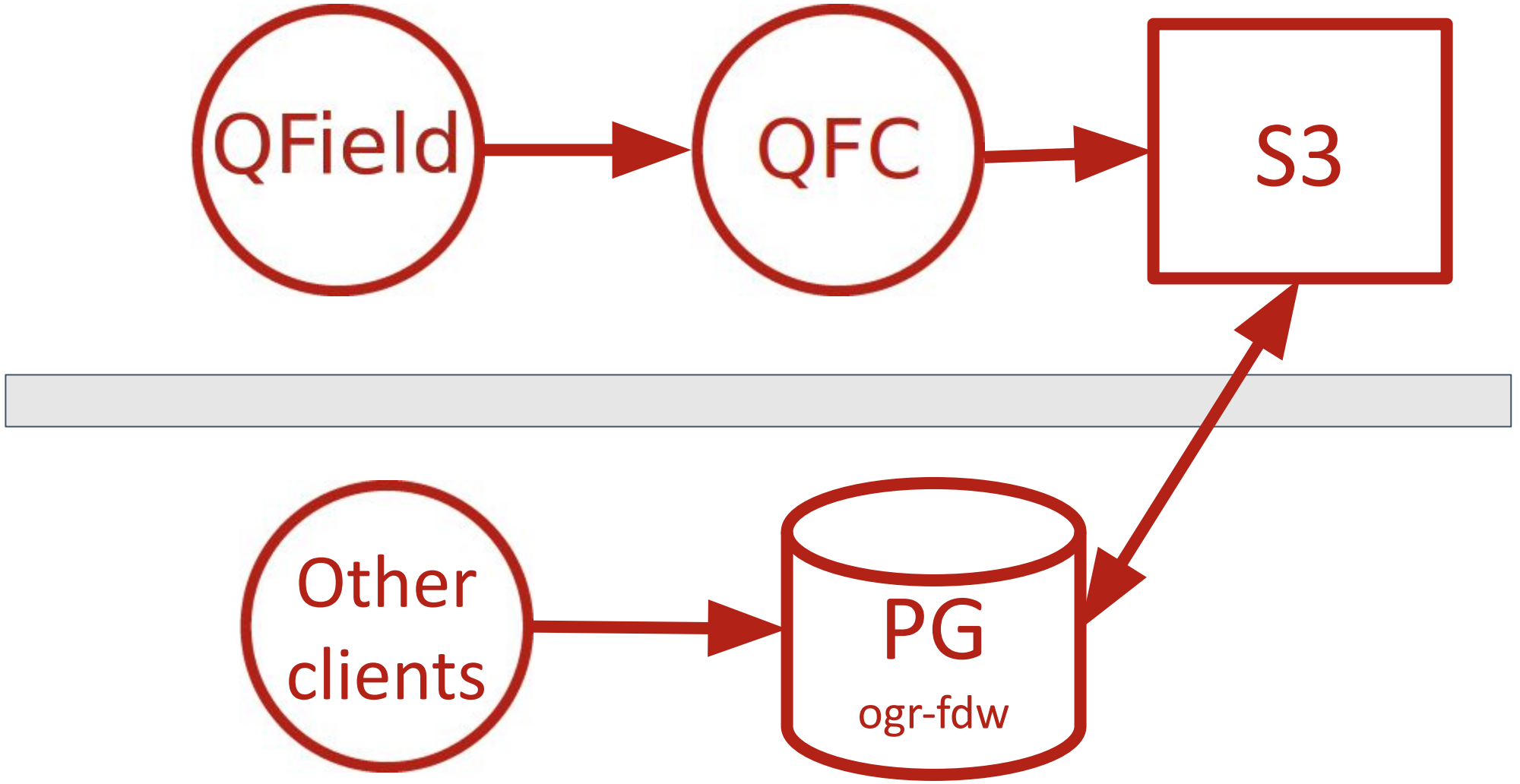
1: Geopackage to PostGIS



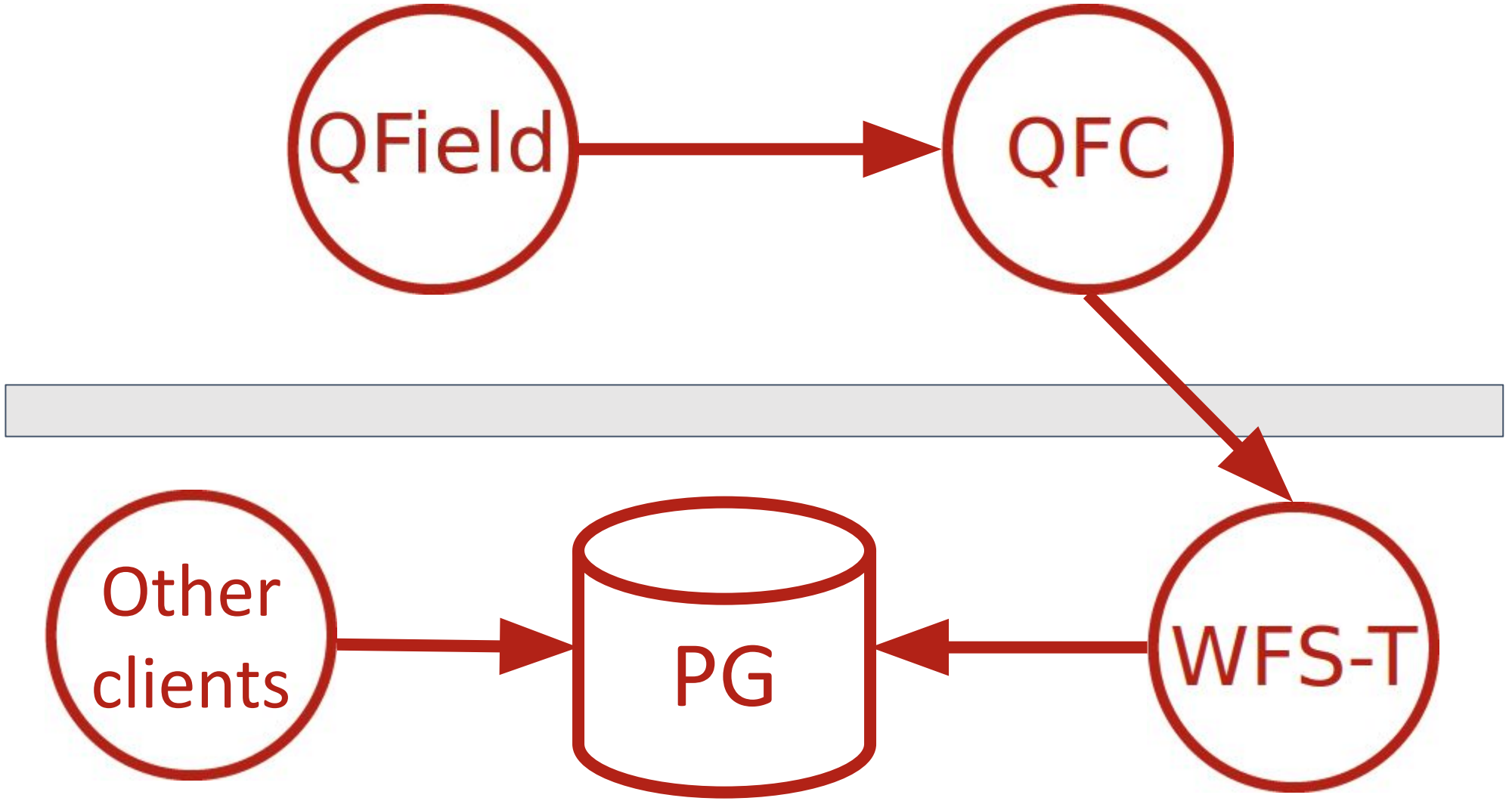
2: PostGIS



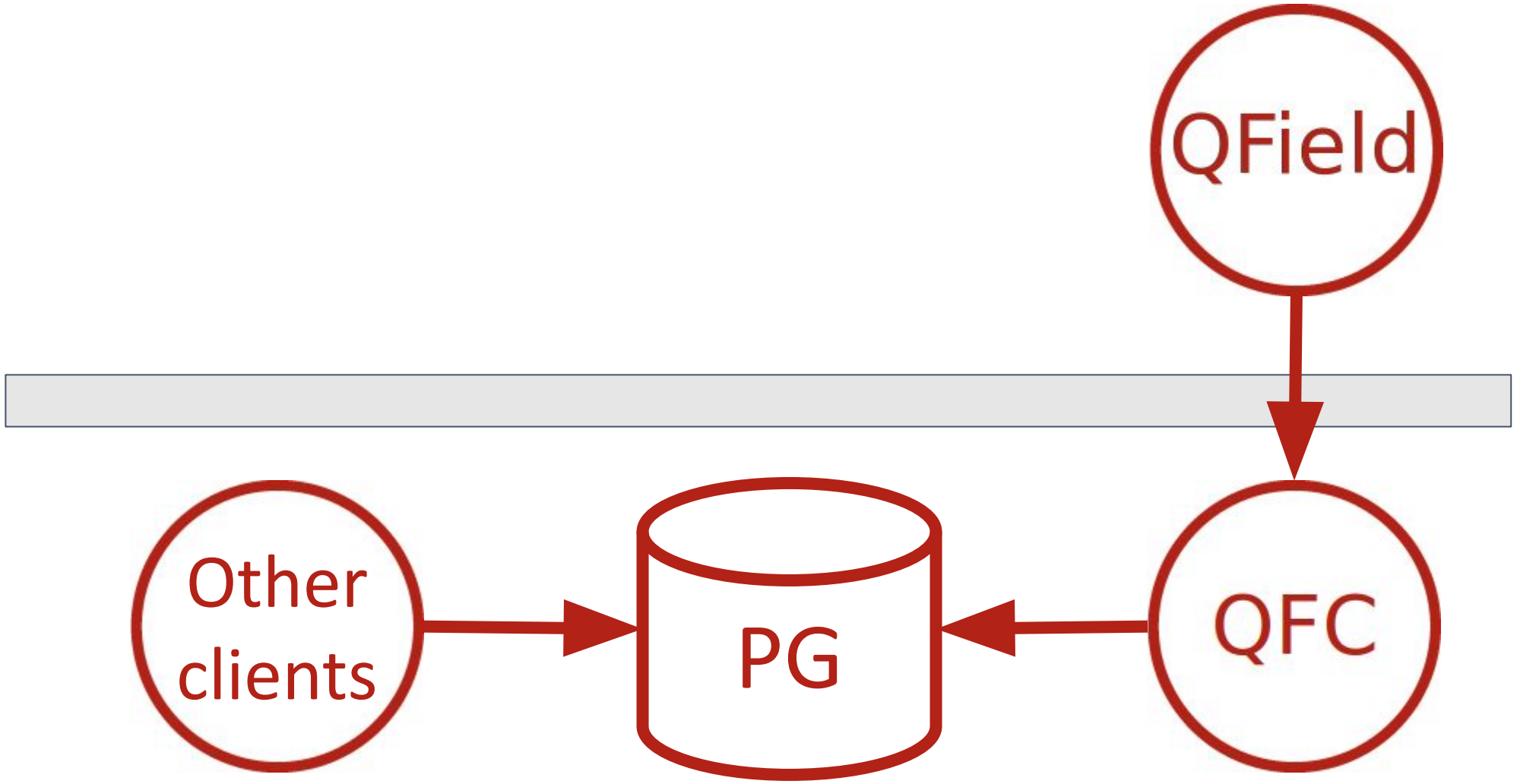
3: Geopackage & PostGIS FDW



4: WFS

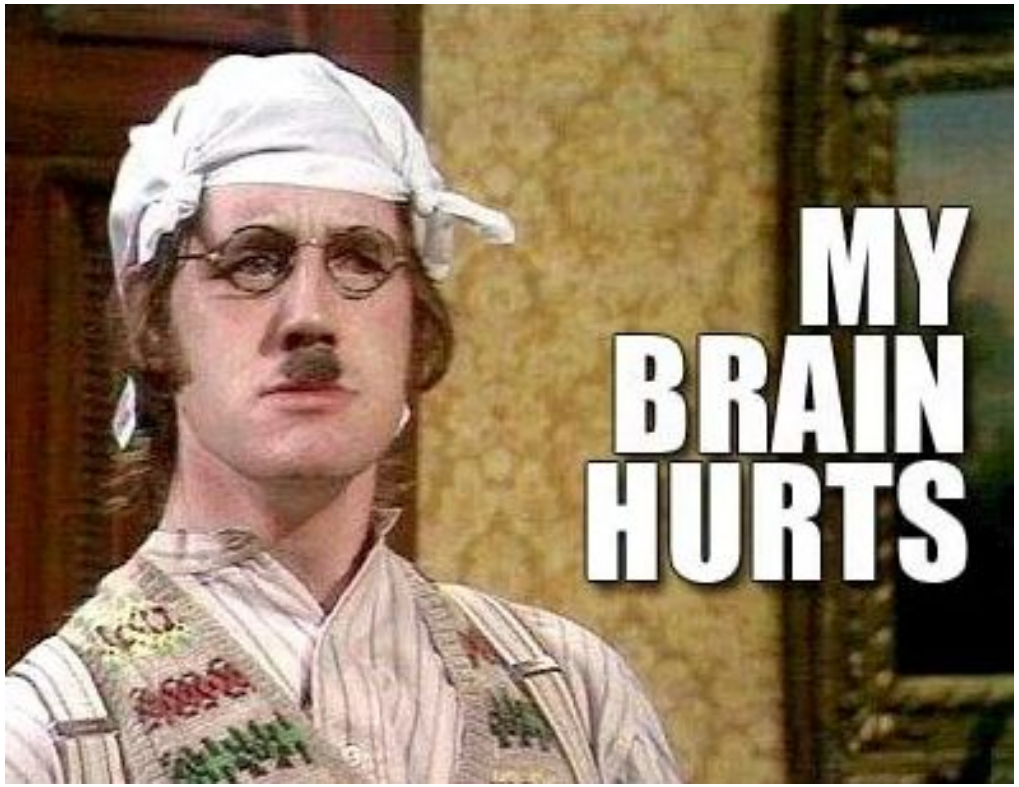


5: Self-hosted QFieldCloud



What? Which one?

- Do you need editing both ways?
- Consider the data risks
- If you can - self host QFC
- If you can - self host & pay for support
- If you can’t & strict devops or need multiple enterprises try S3
- Or fund offline WFS-T



Auditing

- Deltas in QFC
- @cloud_username / @cloud_useremail
- WFS / PG roles
- PGAudit extension / Geodiff

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Thanks for your time
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