



QField in an enterprise setting

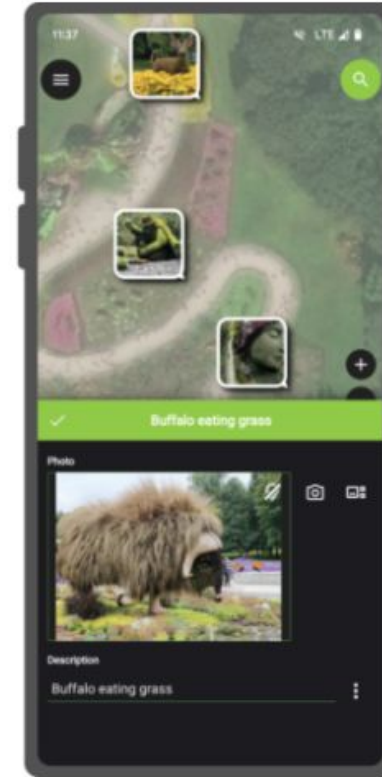
andrewbailey@astuntechnology.com

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

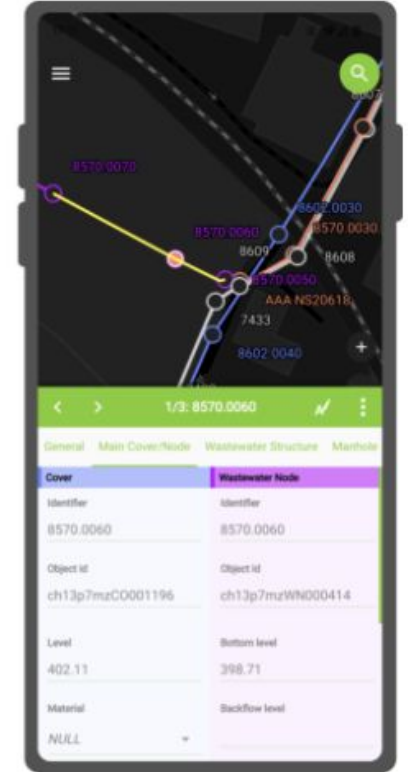
QField / QFieldCloud

- 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

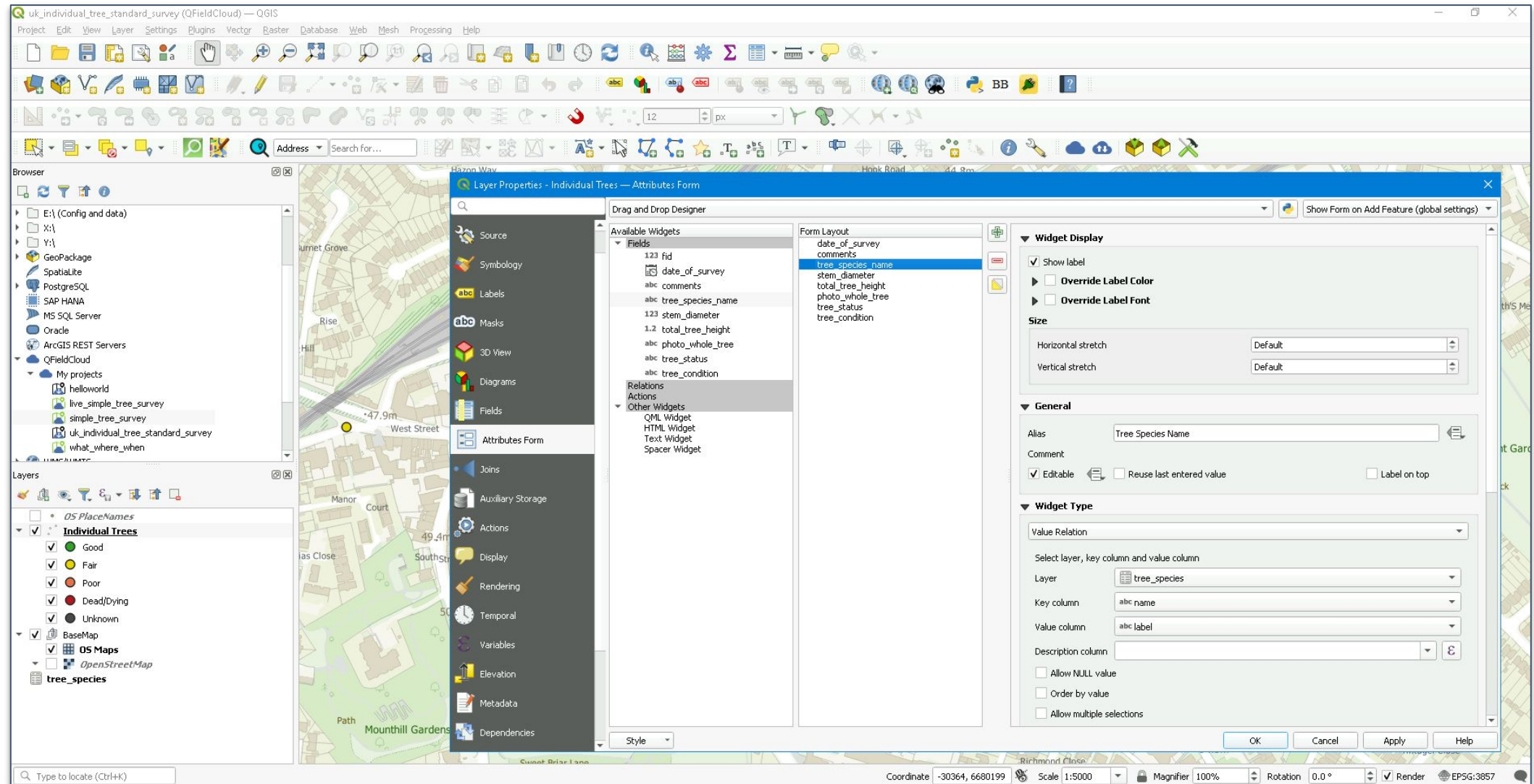


Benefits

- 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

Change project | QFieldCloud

mobile.astuntechnology.com/admin/core/project/41db4331-a9fe-4ddf-ad16-2cb44ac0938a/change/#project-collaborators-tab

QFieldCloud-on-premise

andrewbailey

Dashboard

Accounts

- Email addresses

Audit log

- Log entries

Authentication

- Tokens

Authentication and Authorization

- Groups

Axes

- Access attempts
- Access failures
- Access logs

Constance

- Config

Projects

Home > Core > Projects > what_where_when (41db4331-a9fe-4ddf-ad16-2cb44ac0938a) owner: astun_technology

General Project collaborators Secrets

Collaborator	Role	Is incognito	Created by	Updated by	Created at
read-only-astun	Reader	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:01
alilinden	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
andrewsmart	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
davidrenn	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
domnakanari	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
elenarobu	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
gavinkelly	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
mattwalker	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21
mikesaunt	Editor	<input type="checkbox"/>	andrewbailey	andrewbailey	Aug. 30, 2024, 3:21

Save

Delete

Save and add another

Save and continue editing

History

View on site

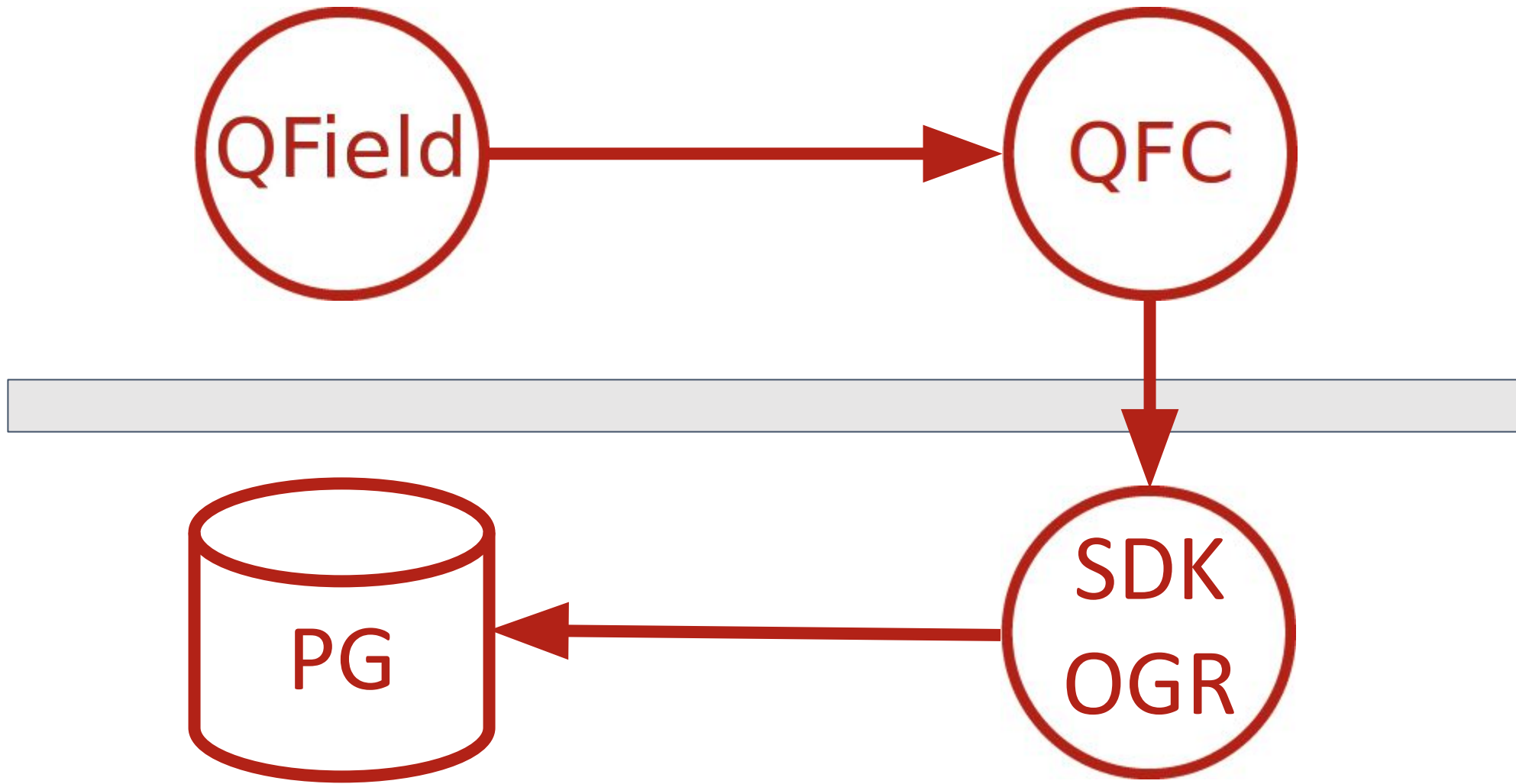
Project jobs



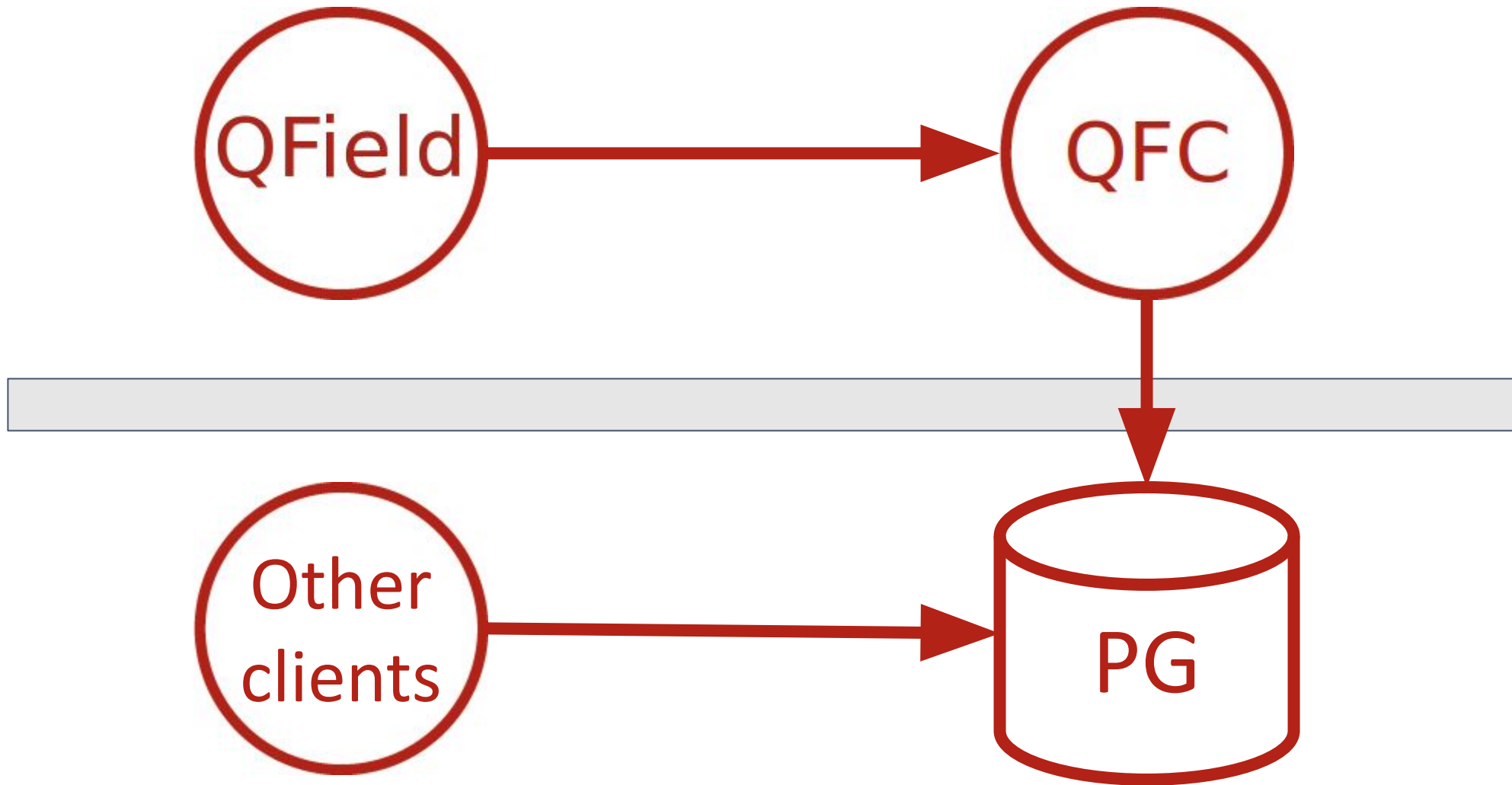
Warning: 5 diagrams that all look very similar...

...I can only apologise

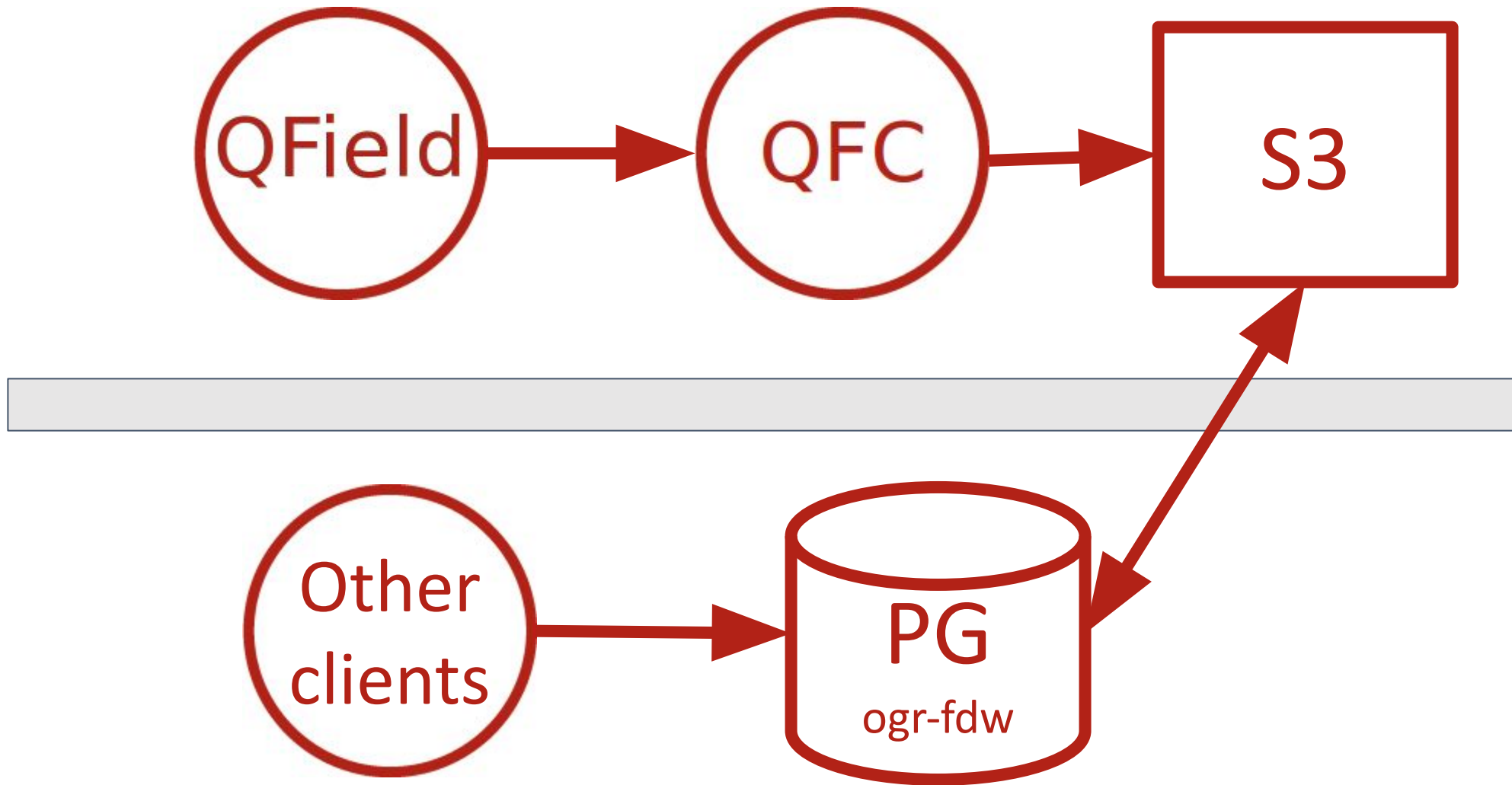
1: Geopackage to PostGIS



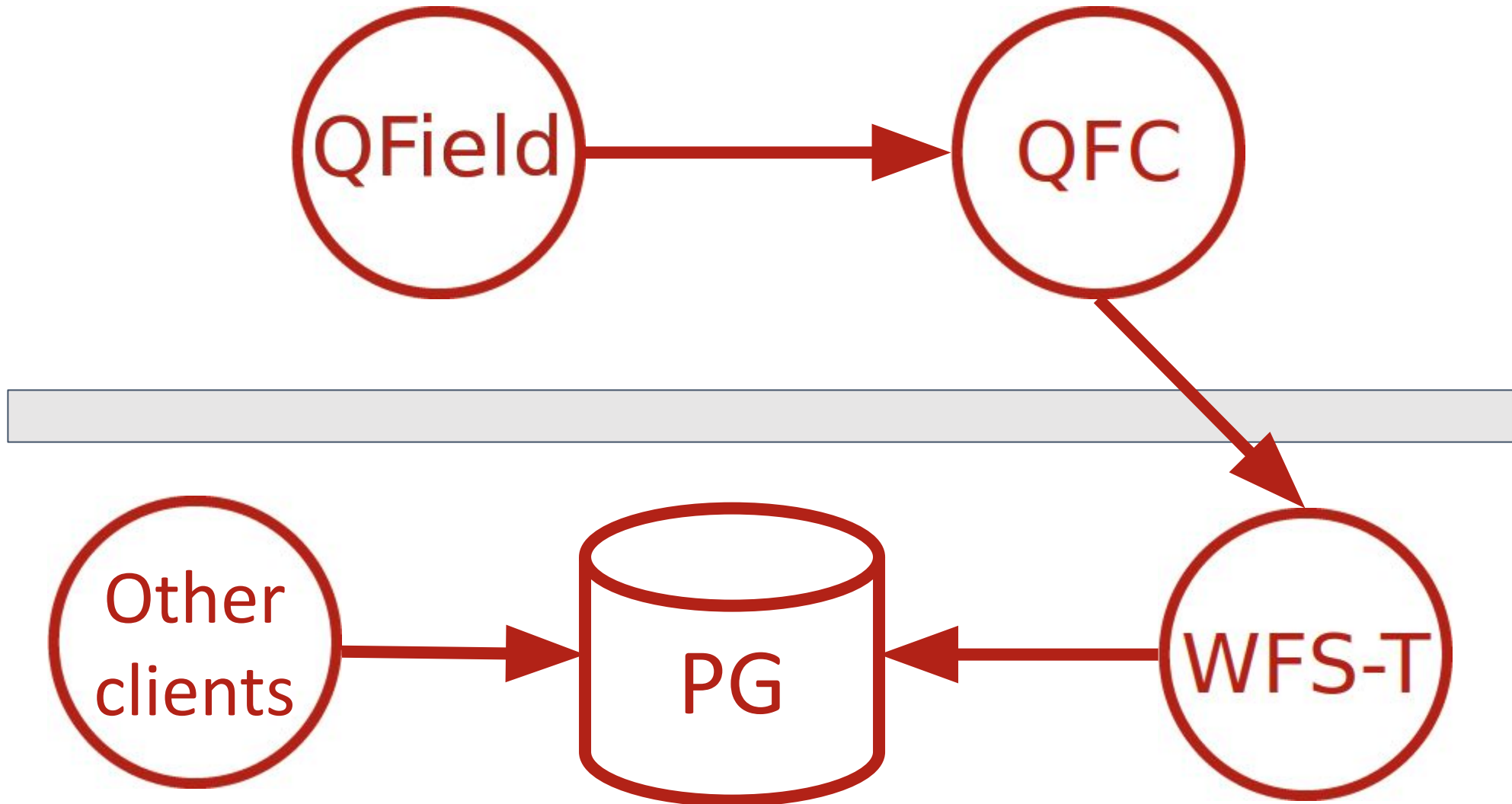
2: PostGIS



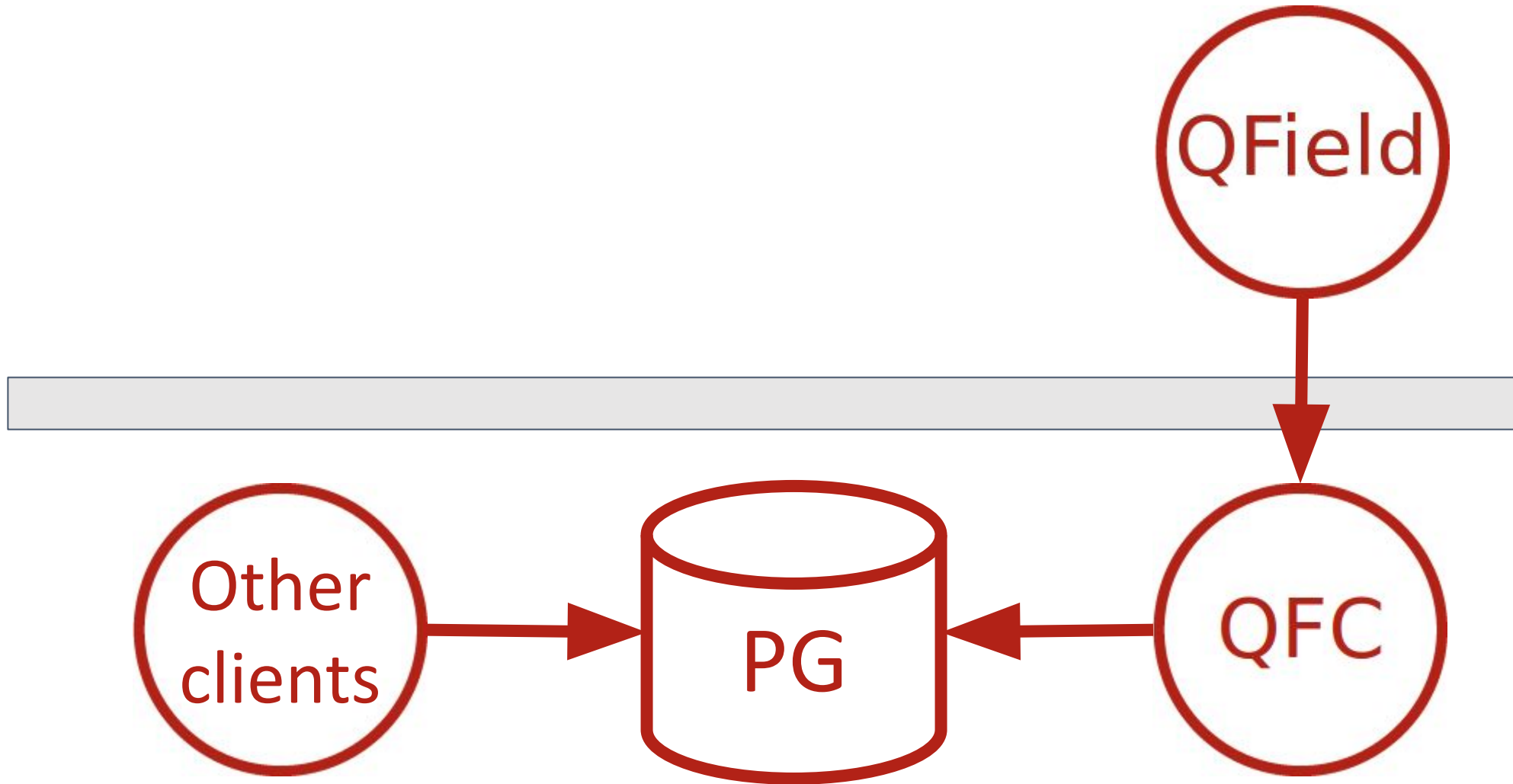
3: Geopackage & PostGIS FDW



4: WFS

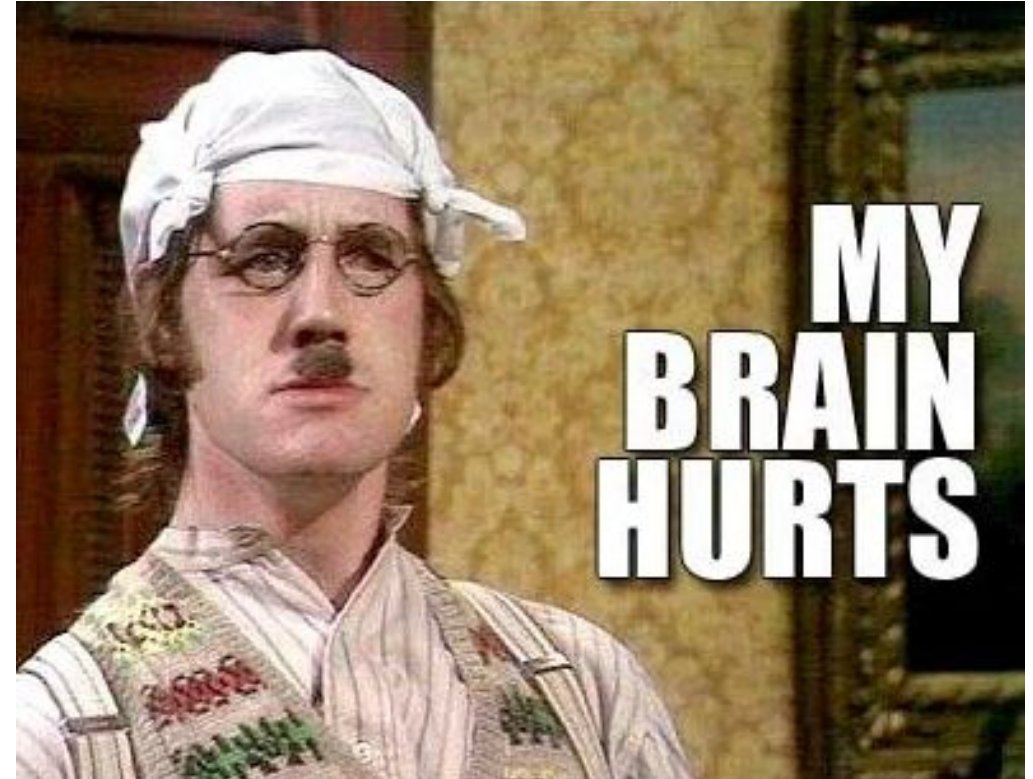


5: Self-hosted QFieldCloud



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





Thanks for your time

Astun Technology