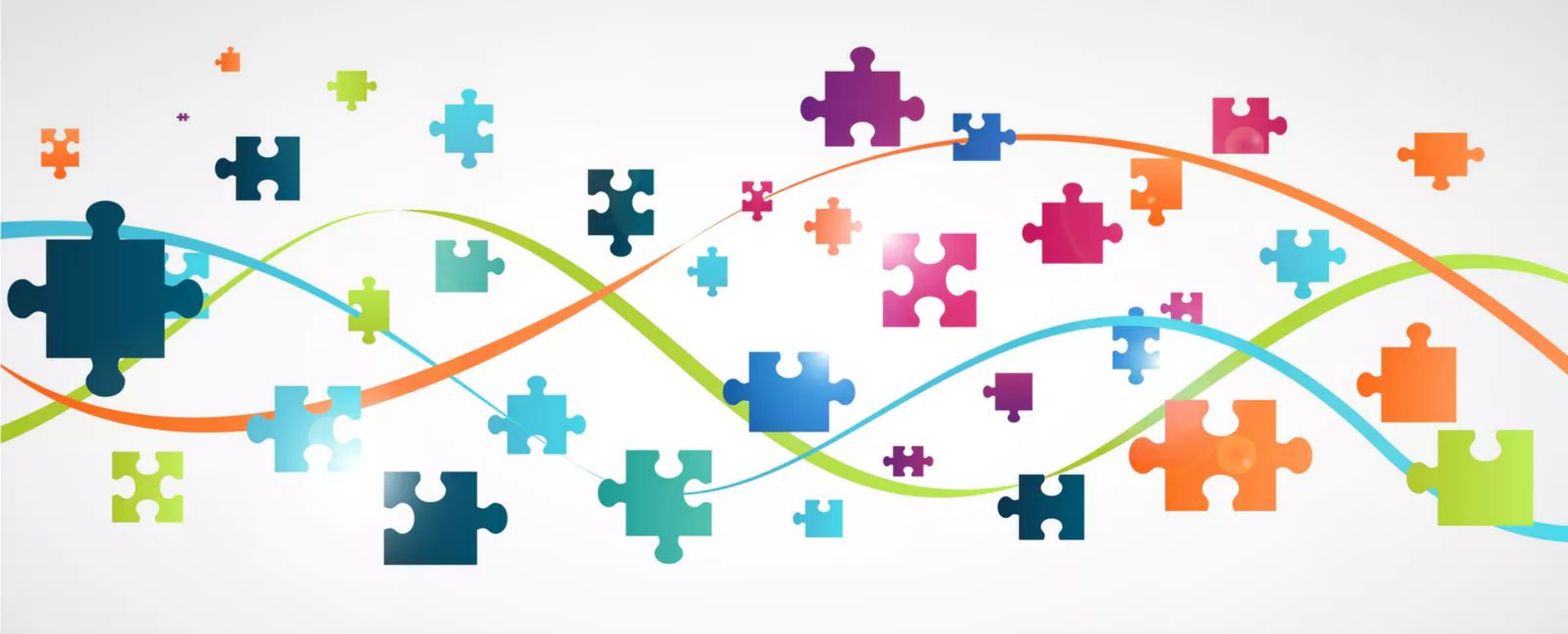# Data Portability

Fernando Mendes Stefanini
Pablo Jose Lopez Estigarribia
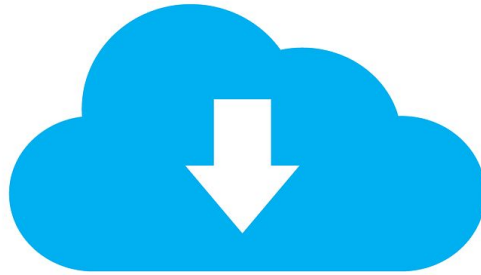
Data Portability
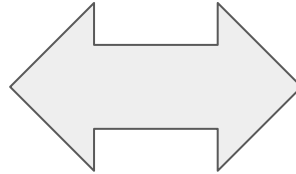
Interoperability

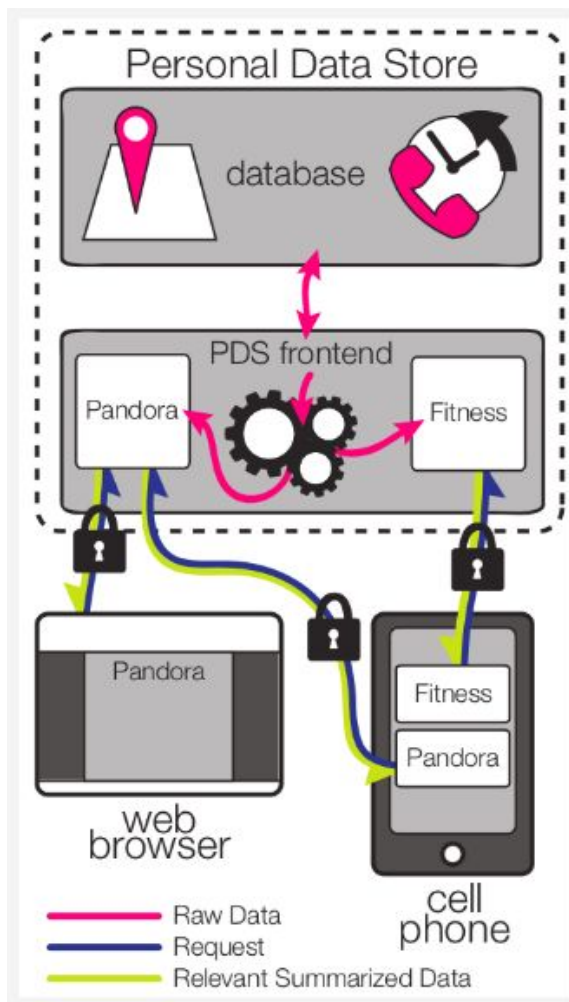# GDPR

Personal Information Management Systems (PIMS)
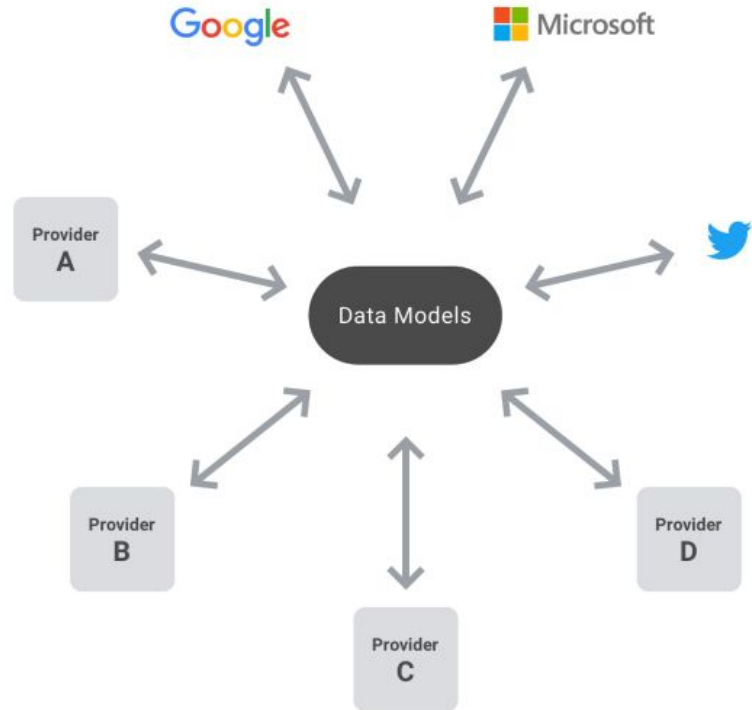
PIMS. OpenPDS
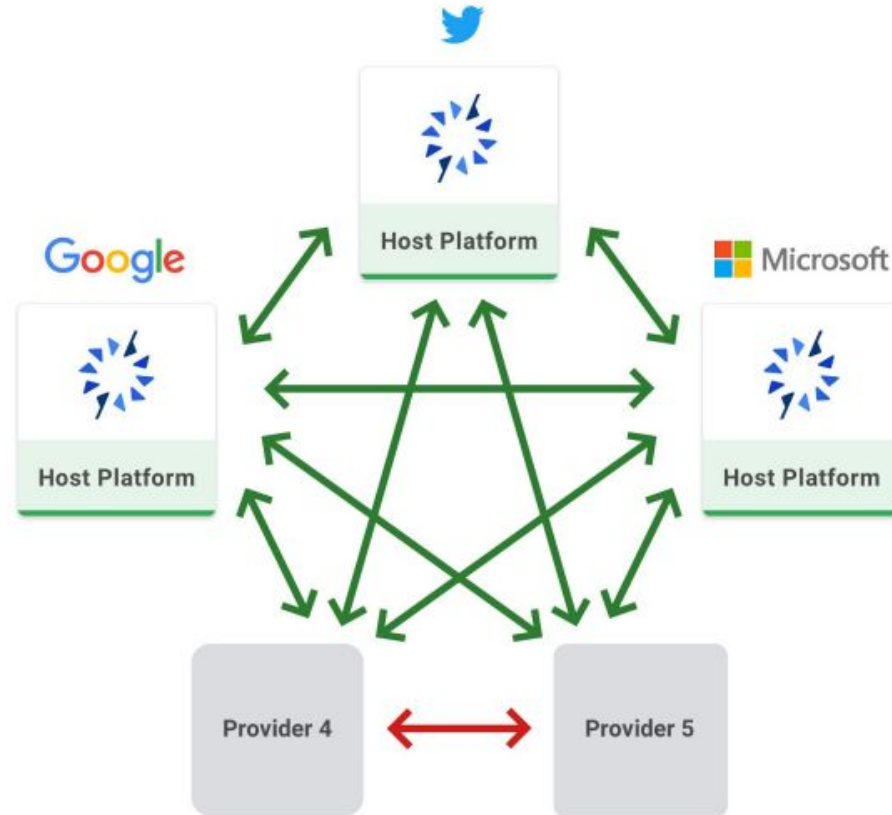
Google Data Transfer Project (GDTP)
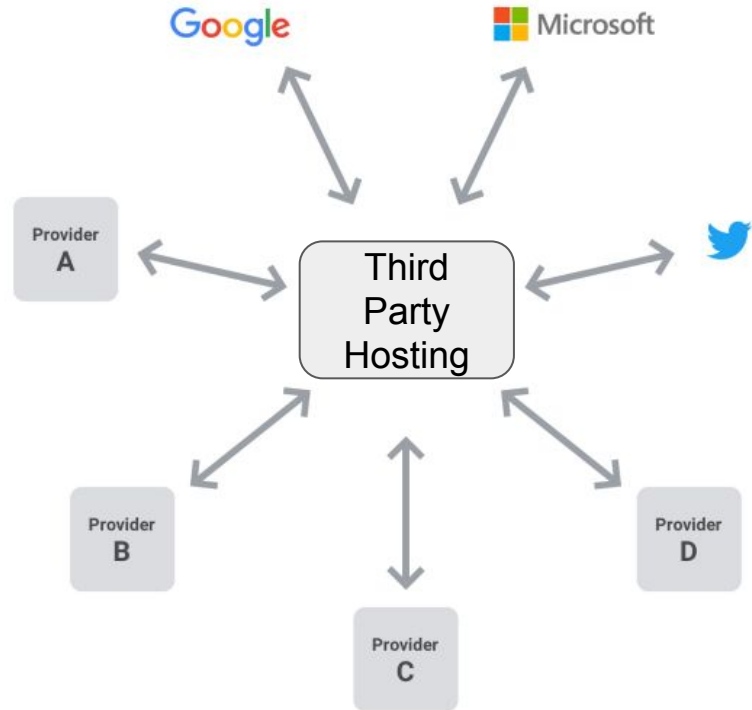
GDTP. System Components
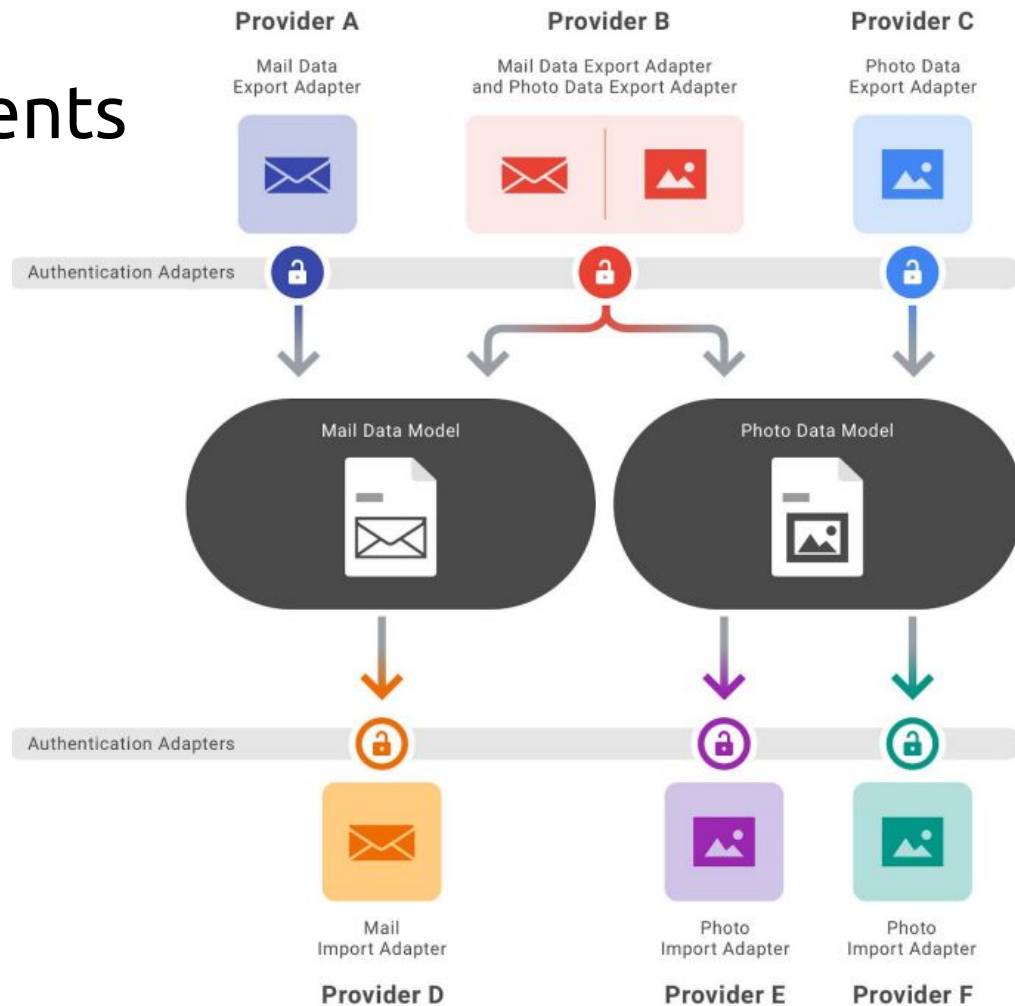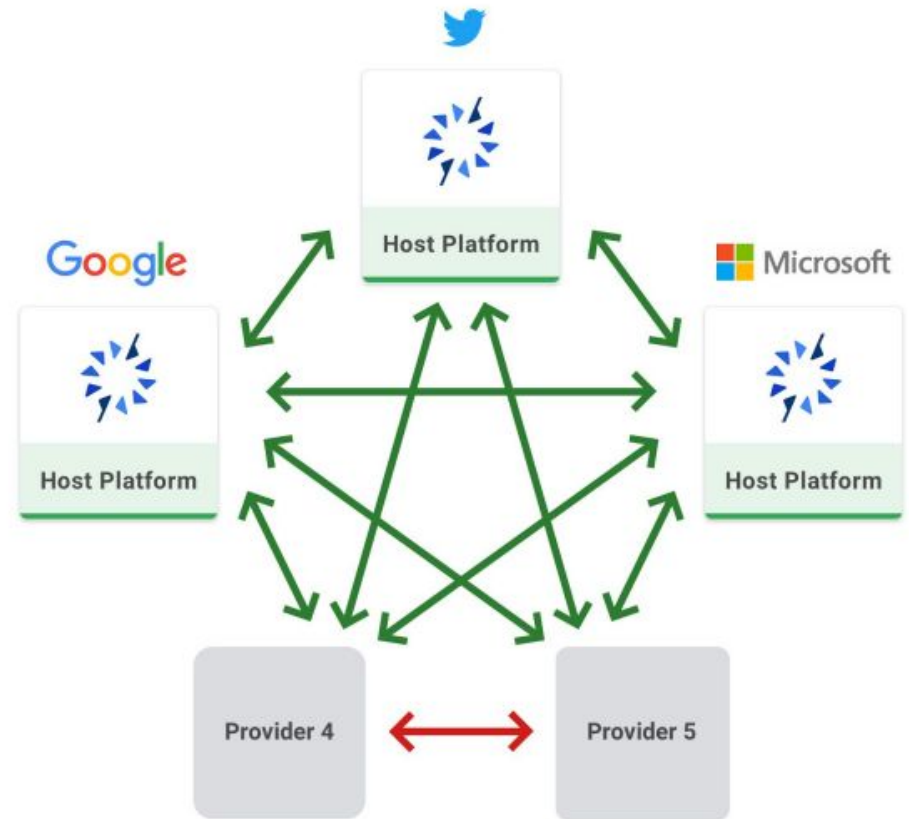
GDTP. System Components (II)

GDTP. Deployment Models

GDTP. Deployment Models (II)

GDTP. Security and privacy

PIMS vs DTP

DTP use case

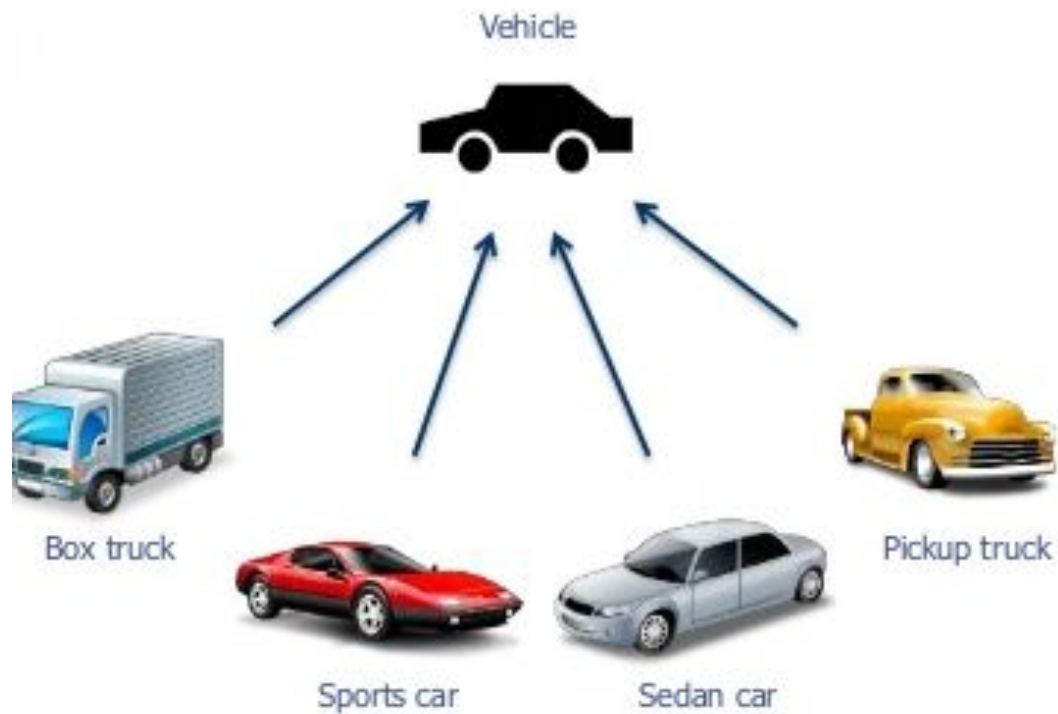# Current status of the project

Using DTP

Data Models

Adapters and Authentication


```java
public class ExamplePhotosImporter implements Importer<TokensAndUrlAuthData, PhotosContainerResource> {
    @Override
    public ImportResult importItem(UUID jobId, IdempotentImportExecutor idempotentExecutor,
                                   TokensAndUrlAuthData authData, PhotosContainerResource data) throws Exception {
        Collection<PhotoModel> photos = data.getPhotos();
        BufferedWriter br = new BufferedWriter(new FileWriter( fileName: "photo_descriptions.txt"));
        for (PhotoModel photo :  photos) {
            br.write( str: photo.getDescription() + "\n");
        }
        br.close();
        return ImportResult.OK;
    }
}
```

```java
public class ExampleOAuthConfig implements OAuth2Config {
    @Override
    public String getServiceName() { return "Example"; }

    @Override
    public String getAuthUrl() { return "http://term.ie/oauth"; }

    @Override
    public String getTokenUrl() { return "http://term.ie/oauth/example/access_token.php"; }

    @Override
    public Map<String, Set<String>> getExportScopes() { return ImmutableMap.of( k1: "PHOTOS", ImmutableSet.of("user_photos")); }

    @Override
    public Map<String, Set<String>> getImportScopes() { return ImmutableMap.of( k1: "PHOTOS", ImmutableSet.of("user_photos")); }
}
```

Running the app and Next Steps.

Caveats