

FHIR® Bulk Data Workshop

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FHIR Bulk Data workflow

1. Get an access token from the FHIR server

2. Request: GET

`https://fhir.example.org/Group/[id]/$export`

3. Receive the requested FHIR data (“NDJSON” format)

FHIR Bulk Data workflow

Step 1: Get an access token from the FHIR server

1. Create a key set for the client application (what we are making)
2. Register public key with the server
3. Authorize bulk data connection (SMART Backend Services OAuth)

FHIR Bulk Data workflow

Step 2: Retrieving a Bulk Data export

1. Make a Bulk Data kick-off request
2. Request the status of the export

FHIR Bulk Data workflow

Step 3: Receive the requested FHIR data (“NDJSON” format)

1. Download the NDJSON files
2. Load them into the destination environment (in our case, Python + Pandas)

Additional resources

- <http://purl.org/fhir-for-research/web>
- [Google Colab notebook showing how to load FHIR Bulk Data into a SQL \(SQLite\) database](#)