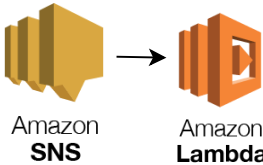


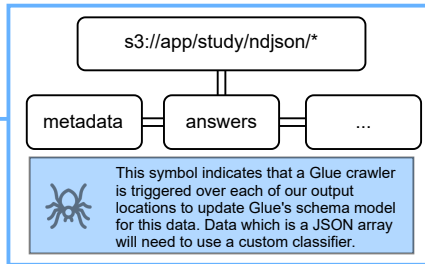
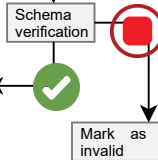
Bridge publishes a message to an app and study specific SNS topic with information about the received data. A lambda subscribed to this topic triggers a Glue workflow.



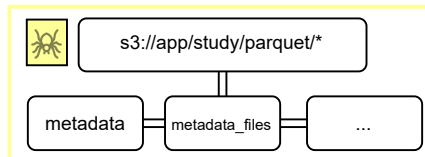
"S3 will be used to store raw data, which will generally be unprocessed zip files submitted by the app. We will use study/substudy as prefixes (S3 folders) so that we can grant permissions for entire studies and substudies as needed."

"Record metadata (such as record ID, participant ID (healthcode) / version, assessment ID / revision / guid, user agent, created-on, exported-on, etc) will be stored as S3 metadata. This allows researchers looking at the health data in S3 to know the metadata for a given health record."

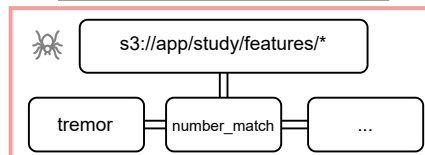
Inject record ID, taskIdIdentifier (from metadata), year, month day (of createdOn) into top-level fields of each JSON. If JSON is an array, inject into each element of array. Store to a subfolder as NDJSON in the source datastore. Additionally inject all S3 annotations into metadata.json. Separate files (metadata.json, answers.json, ...) will be stored to their own subfolder within the ndjson subfolder.



Using the newly discovered schema, dump each location to a parquet dataset. Hierarchical data will first be relationalized and will output multiple datasets. Partition keys will be pushed down into the child tables resulting from relationalization. Each child table will have fields "id" and "index". "id" will correspond to the respective row in the parent table.



Assessment specific scripts compute features



Export as CSV



Parquet files are accessed via Synapse by setting the parquet S3 location as an external storage location on a Synapse folder. Files will be downloaded directly from S3 using an STS token.

CSV files can be uploaded directly to a Synapse folder (potentially one with an external storage location)