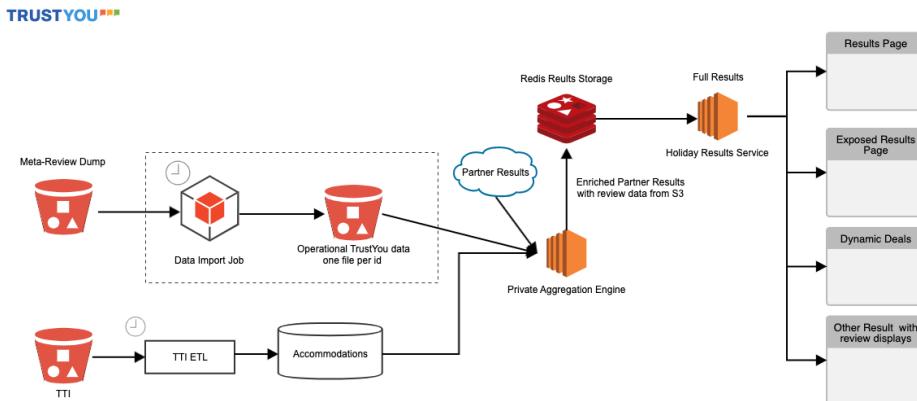


TrustYou Proposed Implementation

The following diagram illustrates the proposed solution.



Step By Step

1. Accommodation Mapping Data
 - a. Mappings for TrustYou id's to unique accommodations are provided from TTI
 - b. We will periodically download updates from TTI, and store them on our master accommodation dataset
2. TrustYou Review Data
 - a. Review data is available from TrustYou as a bulk download (in S3)
 - b. We will periodically download the TrustYou dataset (using a bash script running in Docker via Rundeck job), extract the attributes (using AWS Glue) we currently require (score & review count) and store within S3
3. Accommodation retrieval
 - a. Agg is our single builder of result information
 - b. Based on results from partners and the mappings present in our accommodations, Agg determines which accommodations a result set consists of
 - c. For each accommodation that has a TrustYou mapping, Agg will retrieve the corresponding review information from our TrustYou store, before storing all results into Redis
 - d. For an interim period, TripAdvisor review data will also be present on the result records stored in Redis
4. Result Usage
 - a. For anything displaying results with review information, they will request results from the Holiday Results Service, and specify which review source (TripAdvisor/TrustYou) they want used
 - b. The Result service will return a response of the same structure, but the data for reviews will be retrieved based on that incoming query parameter
5. TripAdvisor Decom
 - a. Once full usage of TrustYou is complete by all consumers of result data, TripAdvisor data will be decommissioned, and the result service will only return TrustYou reviews for Accommodations (the earlier query parameter option will be removed)

Questions/Assumptions/Other Notes:

1. Will the retrieval from S3 be performant enough to support result enrichment?
2. We are considering using AB test functionality to switch the frontend elements from TripAdvisor to TrustYou, should we do this across all display elements?
3. If we do AB test, should we use the new Cloudflare MVT functionality?
4. We need to confirm that TrustYou id's are available for Agg to use now or if there is any further work
5. What will happen to obsolete TrustYou reviews if the data is written wholesale to S3
6. When would we decommission the old review data; this solution removes the need to tidy-up the old data as it is simply made obsolete.
7. Our contract will support 75000 accommodations from TrustYou, which 75000 and how will this be controlled technically?
8. Are there any requirements on branding/iconography?

