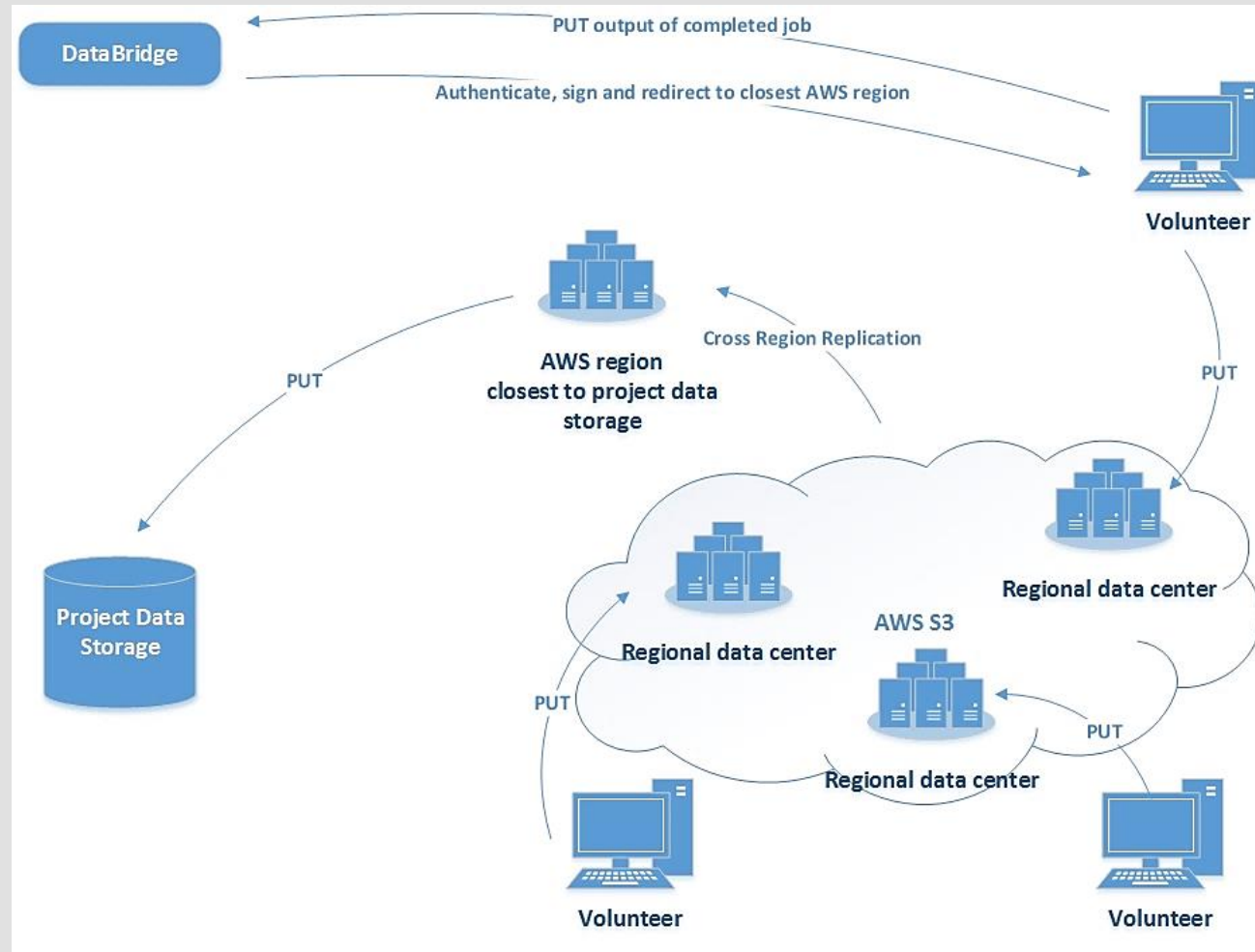


A World-wide DataBridge Supported By A Commercial Cloud Provider

- How to reliably collect large output files from volunteers
 - Who can be thousands of miles away from the central storage location
- Larger distances results in a higher RTTs
 - And an increased chance of packet loss during transmission
 - Thus lowering the transfer performance
 - Logs from CMS@home show that network related error codes occur more frequently as the distance from CERN increases
- Optimise the global transfer of files by offering the volunteers a closer upload endpoint to reduce latency
- Use the DataBridge to federate upload endpoints provided by a commercial provider (AWS S3 buckets) and redirect upload requests to an endpoint that is closest to the volunteer
 - Also offloads scalability and operational responsibility of the upload endpoints to the commercial provider

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