**Digital Twin Tag Meeting Minutes**

**Date:** January 25th, 2023

**Location:** [Microsoft Teams Link](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDhjNTg4ZDktZGFlYy00ODc0LTliYzQtMjc4MTA3ZTc3NmQ1%40thread.v2/0?context=%7b%22Tid%22%3a%22d41fdab1-7e15-4cfd-b5fa-7200e54deb6b%22%2c%22Oid%22%3a%222516780d-2412-48c9-8447-e24d7322175f%22%7d)

**Agenda**

* Discuss positives and drawbacks of chosen tools
* Which is faster? Multiple scripts or …
* Thoughts on using AWS cloud storage?

**Discussion Notes**

* Discussion with client completed over email this week as the client was unavailable to meet over a call. The following is what was discussed on the email

Hope you are doing well. So the following are a few of the things we wanted to discuss with you yesterday.

First off, we just wanted to present you with what we had for the architecture so far. Here's what we have for the sections that the architecture would consist of:

Eliko System: would communicate with the cloud application daily and transfer data at the end of the day, every day. We could set up a Cron Job to transfer a full day's worth of data from Eliko to the cloud application.

Cloud Application: would push data from Eliko to the cloud storage.

Real-Time Application/Interface: would be connected to the Eliko system to constantly retrieve information and perform front-end functionalities.

For the architecture described above we just wanted to confirm if this was what you envisioned for the project and if there was anything you wanted to add or remove from it. We can also talk about the architecture more in-depth during our next meeting.

As for cloud storage, we are currently in the process of looking for our best options. We've been looking into AWS and Azure but to get a better understanding of which would be more feasible we were wondering if you knew how much the company would be willing to spend per month/year towards cloud storage for this project (even a rough estimate would help).

Also, we were wondering if we could get the sample data that was mentioned during our last weekly meeting and if there is any update on the status of the VPN setup. Please advise, thank you.

* Following was the client's response

**Architecture:**

We’d need some more frequent push to the cloud for at least zone data. Part of the requirement is for customer service to see where in production a skate is at regular intervals. This would tie into other systems (SAP, Sales databases). Doesn’t need to be real time, but I’d suggest at least once every 5-10 mins. This can be simply, a zoneID for the tag. The heavier datasets with position, all other variables, could probably be pushed once a day yes for historical tracking.

**Cloud:**

For Cloud storage, we already have paid services with Amazon, so we could likely tie into that architecture. I’ll see if we can get access to a development environment. As for costs, we can budget what is required, but I’d ask you to estimate the data costs based on out ingest rate. I will post some sample data on the new shared folder in OneDrive shortly, yes.

**VPN:**

I met with out IT earlier today and we are in the process of creating a vlan network, where you will be able to VPN and have direct access to the server. Update you soon on this progress.

**Action Items**

* Continue research on best option for cloud storage
* Continue research on pipelines vs.
* Once provided sample data revise it as a team to understand the files alongside the python code