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## sdmay18-23: Internet of Things, Data Analytics for Snow Plow Truck-Data Live

### Week 11 Report

January 13 – January 26

#### Team Members

Alan Peine — *Git Master*

Colin Heinrichs — *Test Engineer*

Evan Warych — *Report Manager*

Michael Entin — *Meeting Reporter*

Zachary Wilson — *Meeting Facilitator/Point of Contact*

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#### Summary of Progress this Report

The early goals for this development period was to start building out the skeleton of services. With the Amazon Web Servers now purchased and running the overall end goal was to get our individual services deployed onto the servers. To accomplish this each member was assigned a specific area to attend to which they will be deemed the “expert” of throughout the development phase. This goes as follows...

Alan/Colin: Sharing data loggers and data ingestion service

Michael: Database

Evan: Web back end

Zach: Web front end

After that was completed goals were adjusted to set up the database to receive any data from the ingestion service as a test of the concepts.

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#### Pending Issues

Issues with the database plagued most of the development time this period. While advancements were definitely made, further readings and adjustments may need to be made to properly interface the MongoDB instance with the EC2 server for best possible performance.

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#### Plans for Upcoming Reporting Period

The continuation of establishing connections between pieces will be the main goal for the next reporting period. If possible, we would like to bring test data throughout the entirety of the application. This will start with more work on the data ingestion service to mock the intake of some dummy files.

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#### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alexander Smola	N/A	N/A	50
Alan Peine	Clean/Expand Data Ingestion Service	8	68

Colin Heinrichs	Clean/Expand Data Ingestion Service	7	64
Evan Warych	Initialize Web Back End and Deployment	9	61
Michael Entin	Database Deployment	12	71
Zachary Wilson	Initialize Web Front End and Deployment	7	61