# MS Teams Client Conversations

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## 7/7/2024 - Hardware Raspberry Pi Query

7 August

**Fred Leman (22976862)** 07/08 17:08

Hey Jim, we were just wondering about one very important project specification.
Our current implementation relies on a computer interfacing with the Meshtastic base station using the Python CLI, is it reasonable to assume that the deployed base station will have physical connectivity to a device that can run Python code?

**Jim Catelli** 07/08 17:09

Can you run it from a raspi or similar?

**Fred Leman (22976862)** 07/08 17:13

Most likely, the code would be quite lightweight, we will look into getting it running on Raspi or similar. Unfortunately none of us have hands-on experience with that tech so we would have to learn it.

**Jim Catelli** 07/08 17:31

No worries if it runs on python in debian it will likely run on a raspi on raspbian

**Jim Catelli** 07/08 17:37

Ive got an old pi 3b you can borrow if you want to test it

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Aslong as you run them headless they are normally ok

## 12/7/2024 - Sent over Project Requirements Document

12 August

**Susheel Utagi (22502356)** 12/08 10:30

Hi Jim, hope you had a good weekend. We've made a list of requirements as we believe them to be. Could we ask you to please review and confirm these points when you've got time? Thanks for your time.

**Jim Catelli** 12/08 10:31

yeah sure, are you happy for me to review the document or did you want a meeting?

**Susheel Utagi (22502356)** 12/08 10:31

i'll just send over a document if that works

https://docs.google.com/document/d/1SWV3Y2N7JJeJG_xaUD94h_8n4Stfu0dEYSAXE_txjH8/edit?usp=sharing

**PROJECT - requirements**
Project Assumptions and Requirements: Project Goal: The primary objective is to determine whether LoRa/Meshtasti...

docs.google.com

**Jim Catelli** 12/08 10:51

no worries can i share that with Anthony and Chris?

**Susheel Utagi (22502356)** 12/08 10:52

Absolutely cheers

**Jim Catelli** 12/08 10:56

kk will review and provide feedback in the next 24 hours if that works for you?

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# 14/7/2024 - $100 Client Worth Test

**Jim Catelli** 14/08 11:28

hey team sorry for the delay, only feedback was to clarify around how the gps / path data would be displayed accessed

want to
a) have potential to track multiple devices and have it visible on a online map somewhere
b) have the ability to export the paths as a KMZ/GPX or similar file format so we can import it into a different piece of software if required.

**Jack Donaghy (21727658)** 14/08 15:59

Hey Jim! Sorry to leave this so late in your day, but part of one of our assessments requires us to break down the project in terms of a $100 test - where you put a price on each component of the project based on your perceived value.

This isn't something we explicitly talked about, but if you had the time - could you give us an idea of how you would break this down?

This is a bit of an example:

**$100 Test:**

- $40 - LoRa/Meshtastic GPS tracking/communication
- $40 - Base station-secure cloud server connection/data management
- $10 - Export the paths as a KMZ/GPX or similar file format
- $10 - Visualisation of map data via web client

> **Jim Catelli** 14/08/2024, 11:28
> hey team sorry for the delay, only feedback was to clarify around how the gps / path data would be displayed accessed want to a) have...

More than happy to integrate these points into the scope - thank you

**Jim Catelli** 14/08 16:01

no worries will discuss with the team tonight 🙂

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# 17/9/2024 - Extra Stretch Goal

**Fred Leman (22976862)** 17/09 11:46





**Jim Catelli** 17/09 11:50

Just thought of a stretch goal

Buttons and leds on the base station hooked up to the gpio to restart the device check comms to tracker etc

**Jim Catelli** 17/09 11:58

But fantastic work team should he really proud

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