LabVIEW GraphQL API for Dimension4 IoT Service

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GraphQL

- GraphQL is a query language for APIs
- GraphQL was developed by Facebook (2012) but is now Open Source
- GraphQL is typically used to develop Web APIs
- GraphQL is a "competitor" to REST APIs
- https://graphql.org/
- https://en.wikipedia.org/wiki/GraphQL
- https://www.howtographql.com/

Dimension4

- Dimension4 is an IoT Company located in Skien, Norway

- https://dimensionfour.io/

- They offer an IoT Service using GraphQL

- https://iot.dimensionfour.io/graph

Data structure

- **Space** – Folder, e.g., Temperature
- **Point** – A Signal Sender, e.g., a **Physical Device**, e.g., a specific **Sensor**, e.g., TMP36
- **Signal** – A Data Package with a TimeStamp, e.g., a Temperature Value. A signal represents a single **Measurement** or data at a certain time

GraphQL Playground
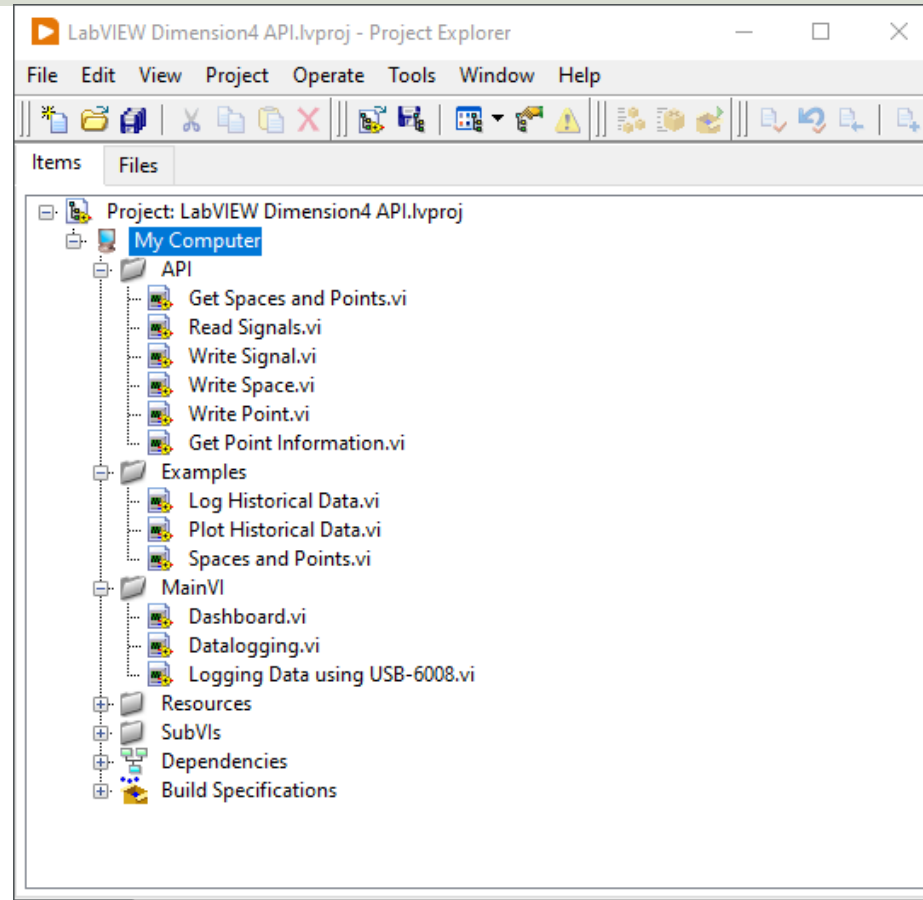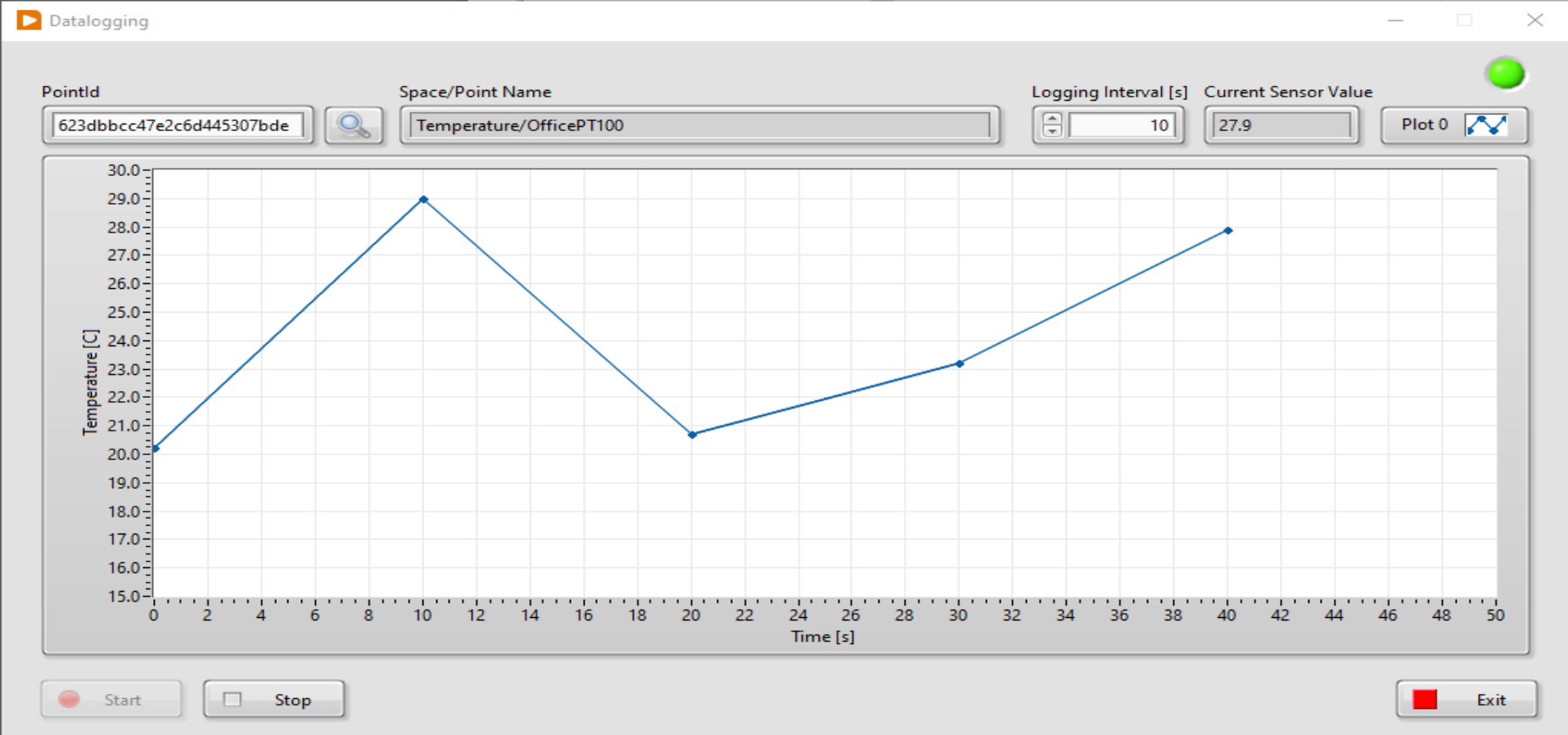
https://iot.dimensionfour.io/graph

LabVIEW API
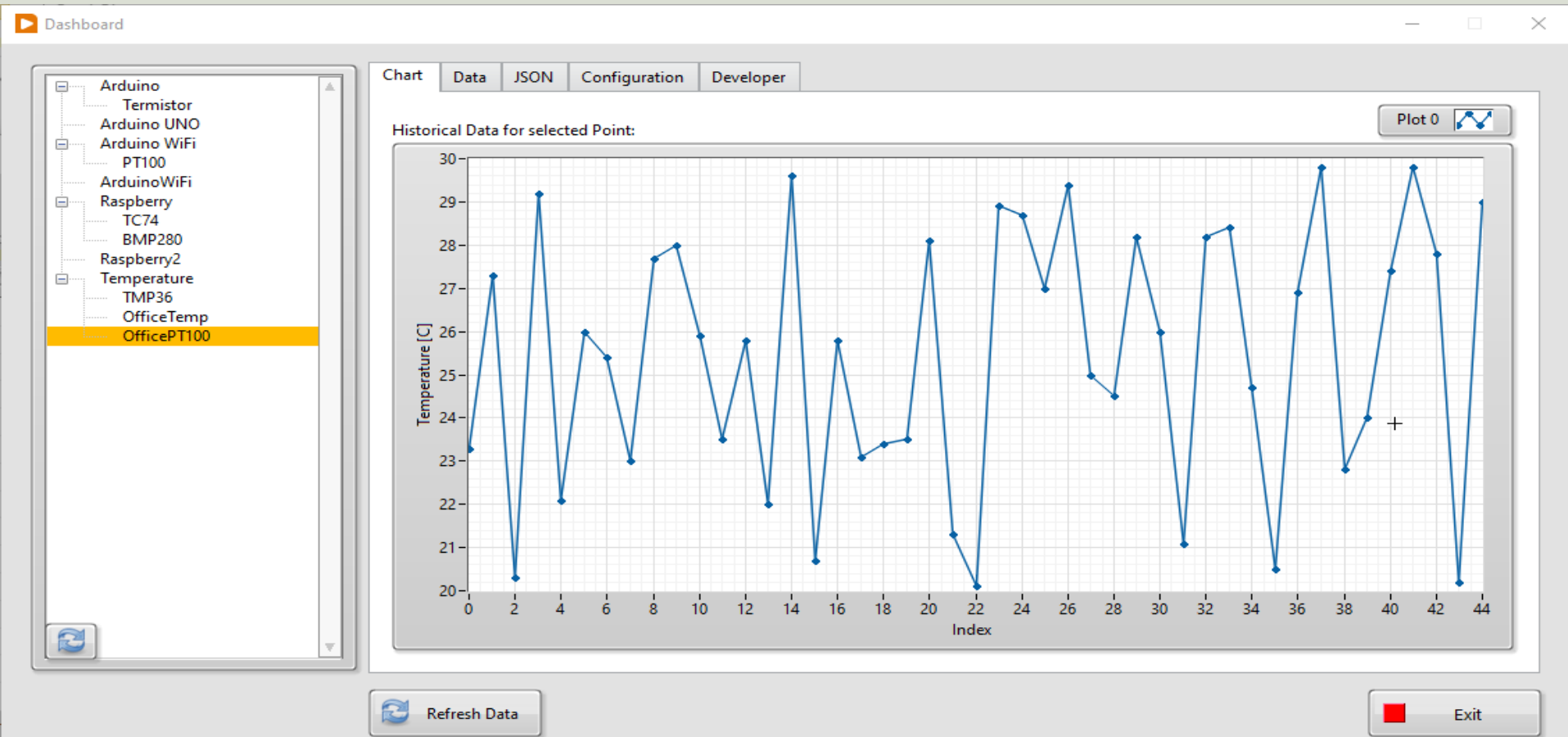
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LabVIEW API

Datalogging

Dashboard

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