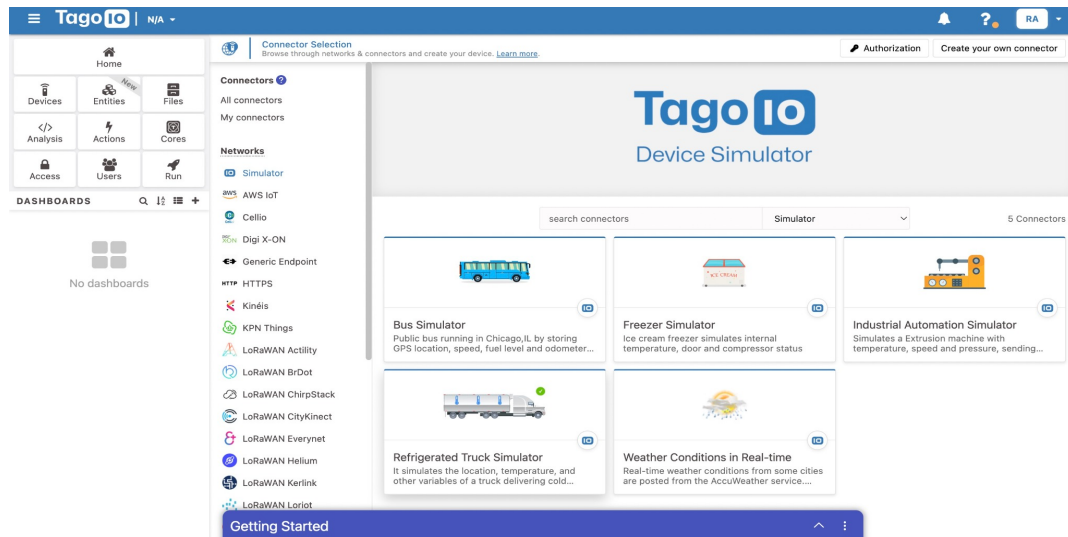


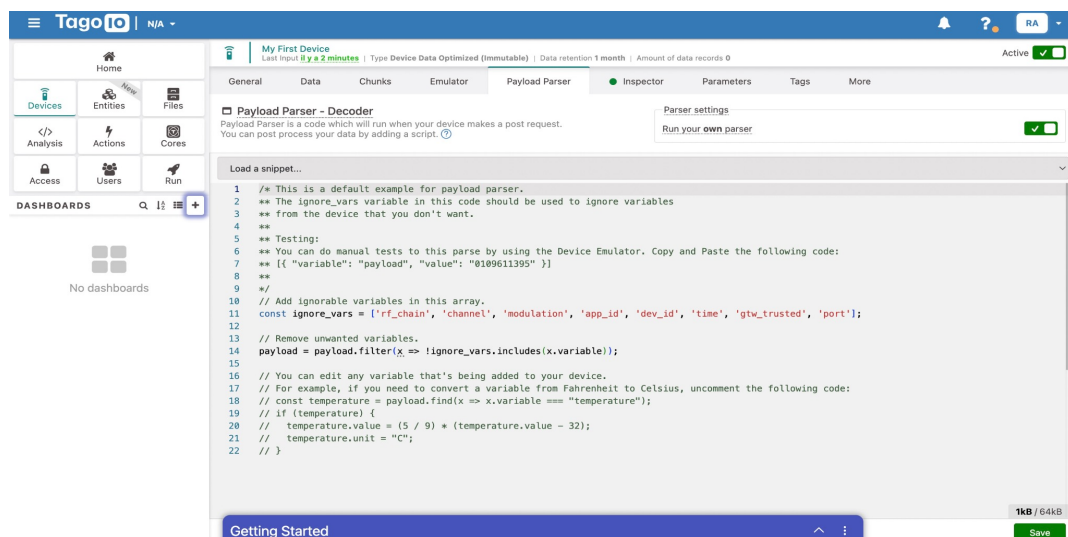
# TagoIO Competitor Research Update

## Screenshot 1: Device Simulator Overview



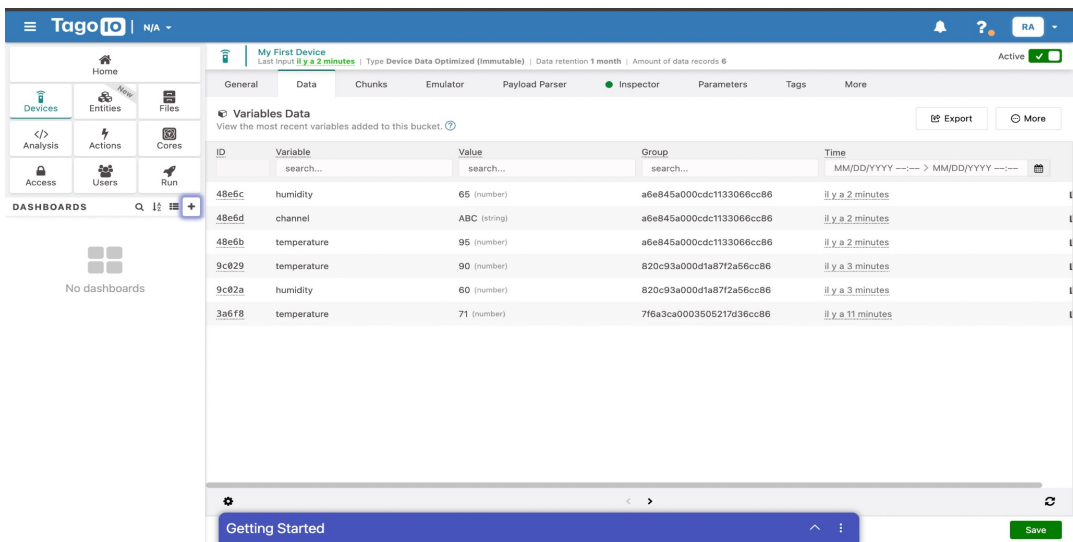
This screen shows the main TagoIO Device Simulator with multiple available simulators such as Bus Simulator, Freezer Simulator, Industrial Automation Simulator, and more. It highlights how TagoIO provides built-in testing environments to emulate real IoT data sources, making it easier for users to validate their pipelines without physical devices.

## Screenshot 2: Payload Parser – Basic Example



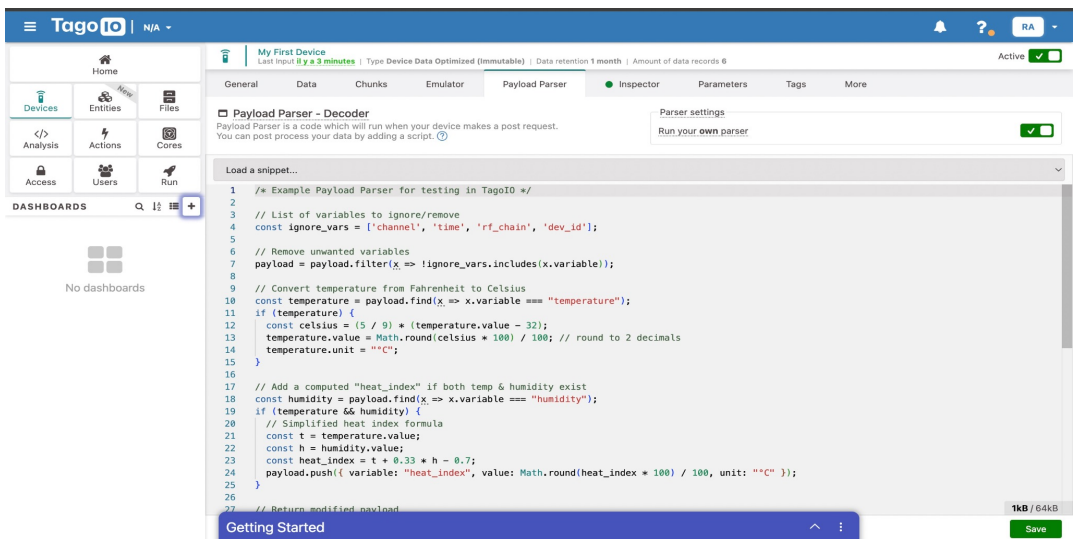
This screen displays the Payload Parser, which lets users preprocess incoming device data. By defining JavaScript snippets, users can filter out unwanted variables, rename fields, or transform values before storage. This enables efficient customization of device payloads.

### Screenshot 3: Device Data View



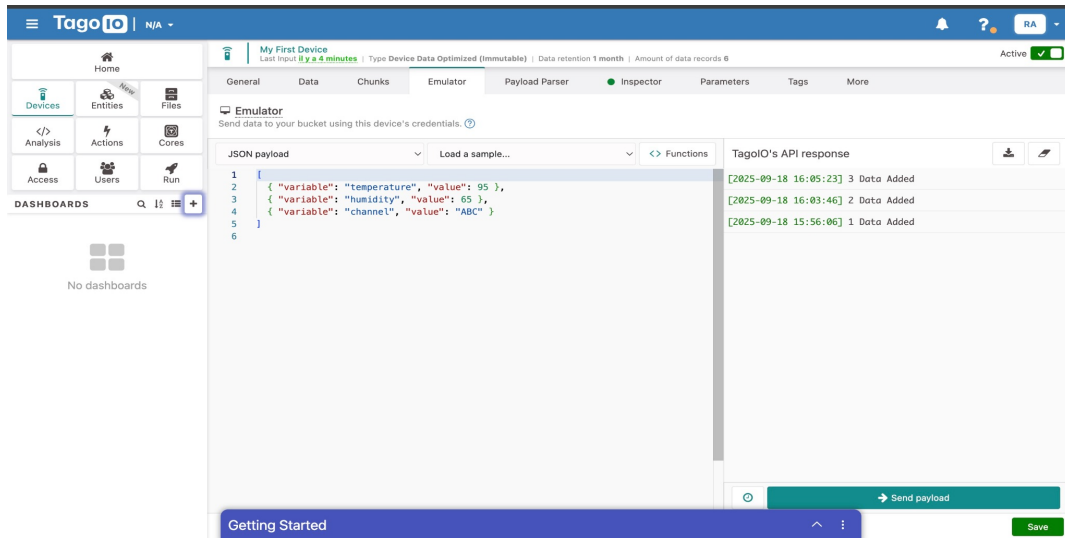
Here we can observe the actual data ingested by the system. Variables such as humidity, channel, and temperature are listed along with their values and timestamps. This validates the successful flow of simulated data through the device pipeline, confirming that payloads are being parsed and stored.

### Screenshot 4: Payload Parser – Advanced Example



An advanced payload parser example shows additional transformations such as converting temperature values from Fahrenheit to Celsius and calculating derived metrics like the heat index. This demonstrates TagoIO's flexibility for IoT analytics workflows, where data preprocessing is crucial.

### Screenshot 5: Emulator Testing



The Emulator allows users to manually send JSON payloads that mimic device messages. This is useful for testing payload parsers and end-to-end data flows. The response log confirms that payloads were successfully ingested and processed by TagoIO's API in real-time.

## Observations & Interpretation

TagoIO provides a full suite of tools for IoT data ingestion, transformation, and testing without requiring physical devices. From the Device Simulator to the Payload Parser and Emulator, the platform is built for flexibility and rapid prototyping. The Data tab validates ingestion, while parsers empower real-time preprocessing. This setup is particularly relevant to our project goals, as it highlights user-friendly testing and extensibility that we may want to adopt or improve upon in our own SaaS offering.