

- [Node.js - index.js](#)

- The node client's job is to receives uplinks from TTN as they come through and save them into InfluxDB. If the uplink is a reading, it tries to calculate the difference from the last reading (from redis, or influx as a fallback) in value and percent and then saves the current reading into redis.

SCENARIO	Expected OUTPUT	Pass/Fail	Comments	Tested By
Running Index.js without influxdb running.	Errors due to being unable to connect to influxdb	Pass		Daniel
Running Index.js without redis running.	Errors due to being unable to connect to redis	Pass		Daniel
Running Index.js with required databases running and correct env values.	Starts up, connects to the DBs, connects to TTN and then waits for uplinks.	Pass		Daniel
Running index.js with a schema-less influxdb	InfluxDB gets the correct schema created to hold readings, still heres and errors	Pass		Daniel
Index.js is running and a Reading comes through with no previous reading.	InfluxDB calculates the last reading amount and percent if possible then saves the reading into readings on InfluxDB	Pass		Daniel
Index.js is running and a	InfluxDB calculates the	Pass		Daniel

Reading comes through with a previous reading.	last reading amount and percent if possible then saves the reading into readings on InfluxDB			
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