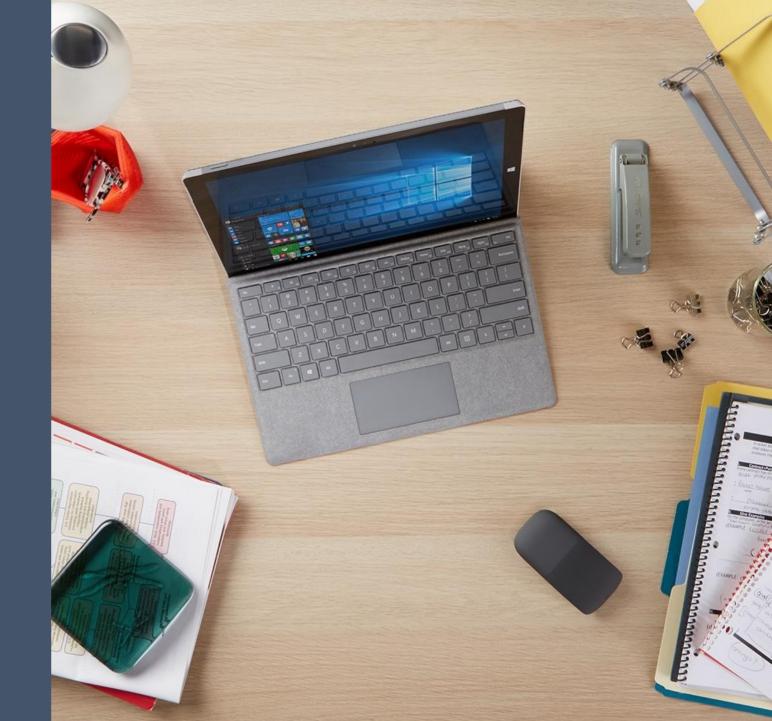
# IoT Device Simulation Demo

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### **Connected Factory**

By Microsoft

Accelerate your journey to Industrie 4.0 - connect, monitor and control industrial devices for insights using OPC UA to drive operational productivity and profitability.



#### **Remote Monitoring**

By Microsoft

Connect and monitor your devices to analyze untapped data and improve business outcomes by automating processes.



#### **Device Simulation**

By Microsoft

Streamline your IoT solution development by using simulated IoT devices to both build and test your solution throughout the software development lifecycle.



#### **Predictive Maintenance**

By Microsoft

Anticipate maintenance needs and avoid unscheduled downtime by connecting and monitoring your devices for predictive maintenance.

# Microsoft IoT solution Accelerators



#### **Device Simulation**

By Microsoft

Streamline your IoT solution development by using simulated IoT devices to both build and test your solution throughout the software development lifecycle.

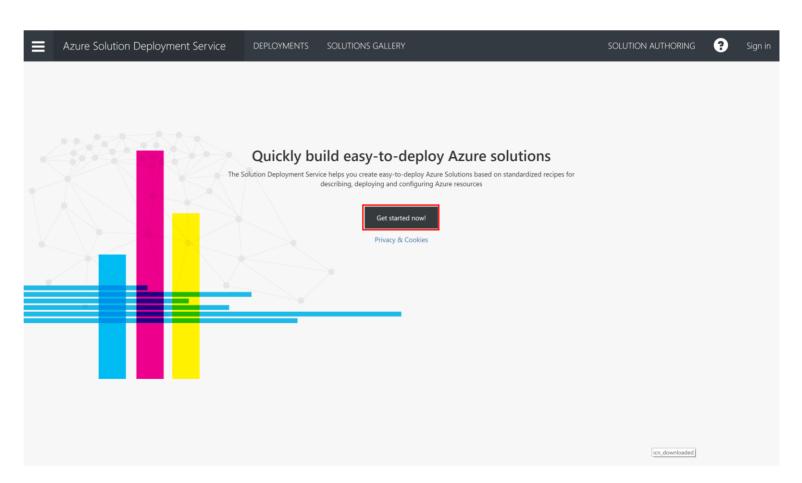
# Device Simulation Benefits

- Quickly get a prototype up and running and iterate by adjusting simulated device behavior on the fly
- Validate the solution works as expected from device to solution by simulating real-world device behavior
- Scale test your solution by simulating normal, peak and beyond peak load conditions

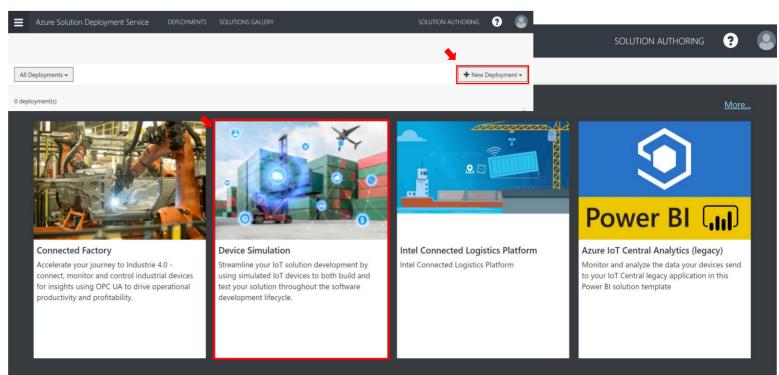
### Demo

- 1. Login to Azure Solution Deployment Service
- 2. Select the "Device Simulation" accelerator option
- 3. Create device simulator
- 4. Automatic resources provisioning

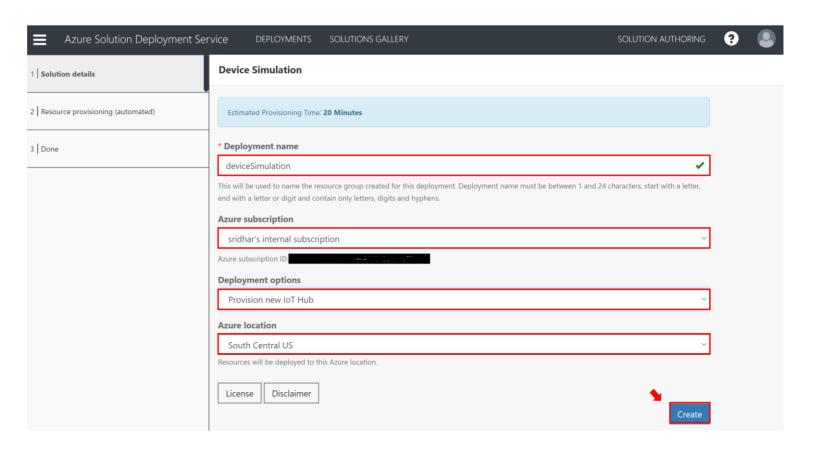




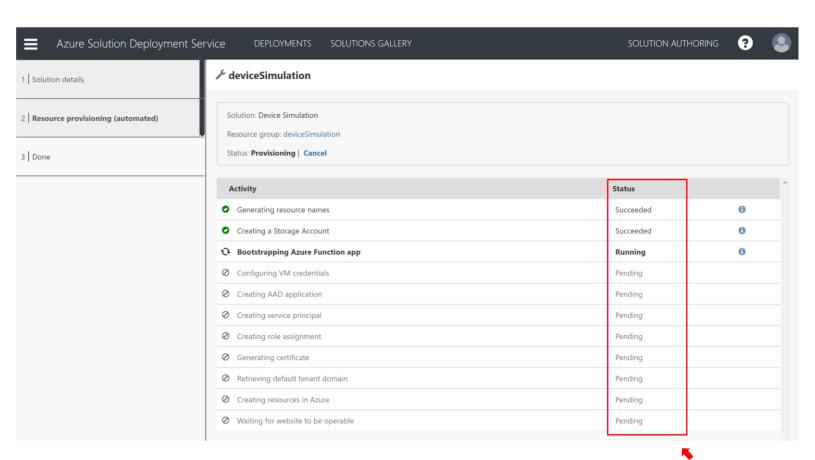






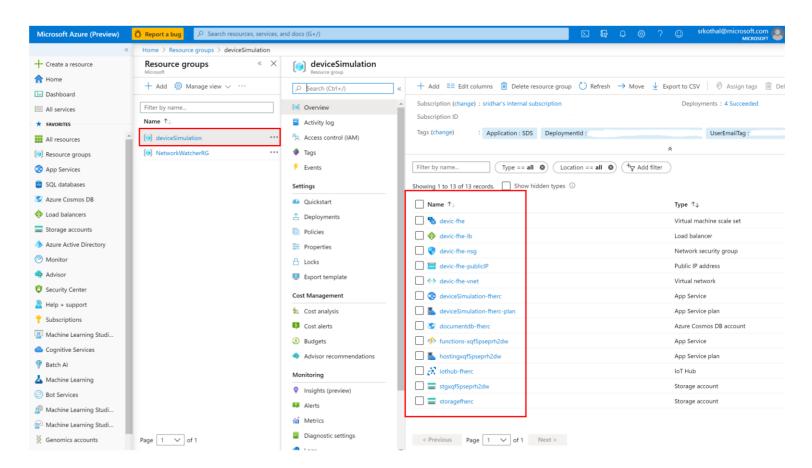






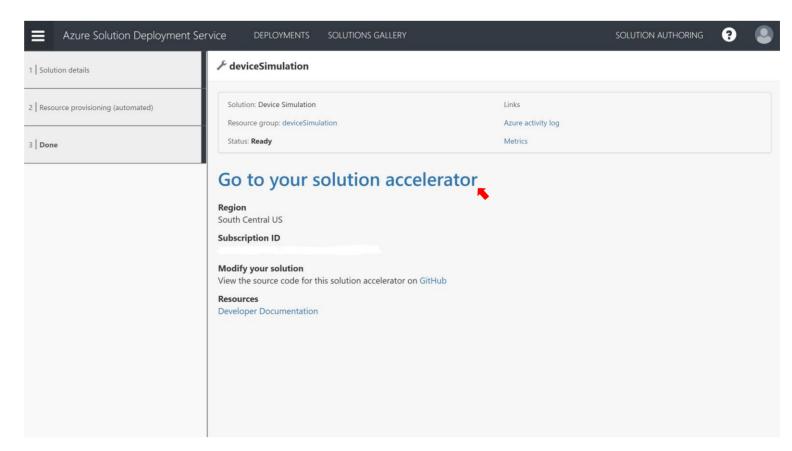
Wait for deployment to complete



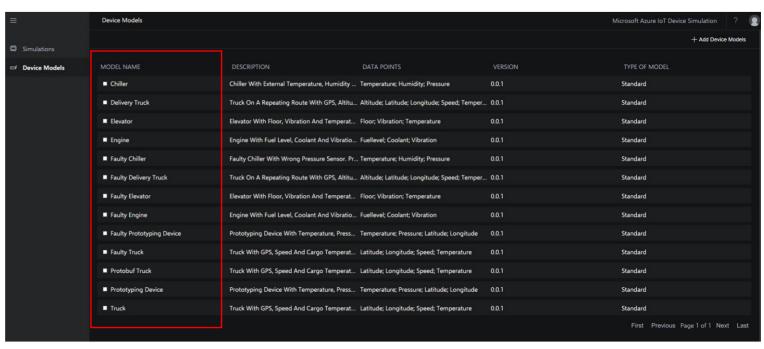






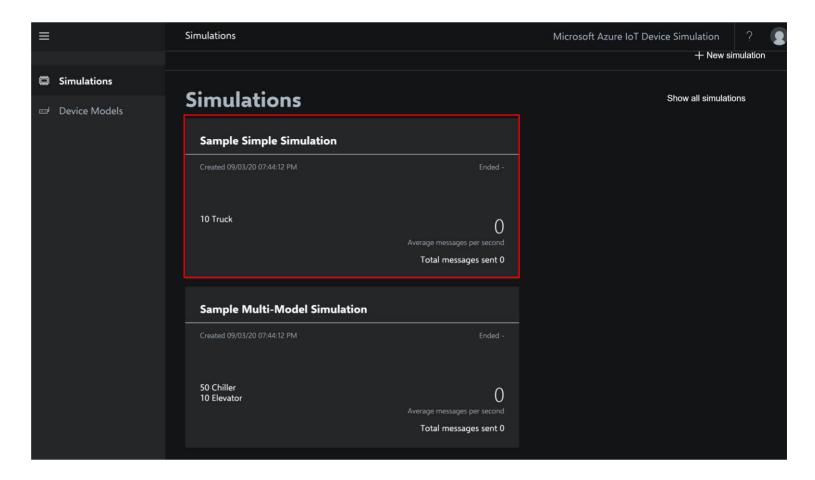




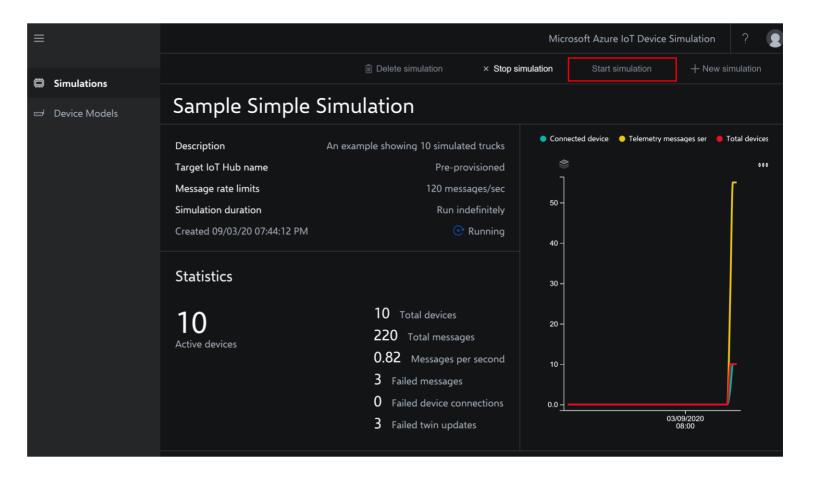






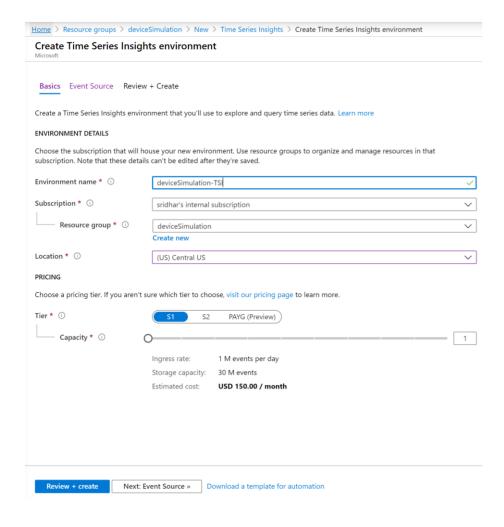


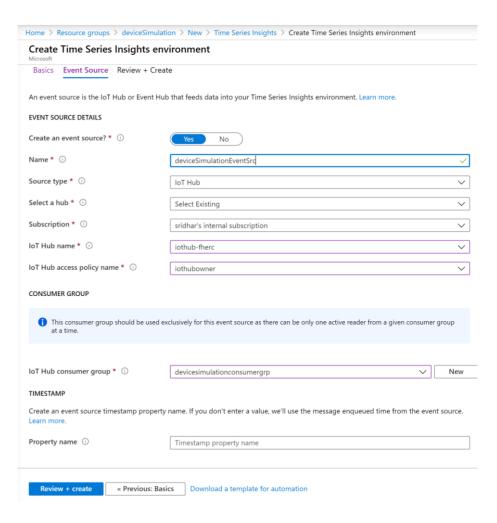




# Setup Time Series Insights

Add a Time Series Insights resource to the same resource group and configure it like below

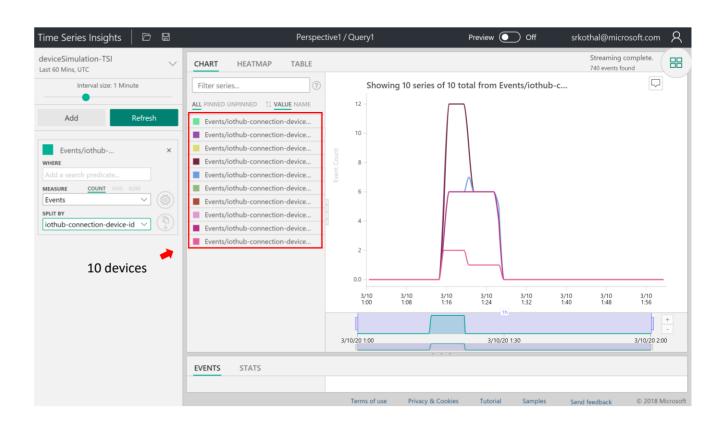




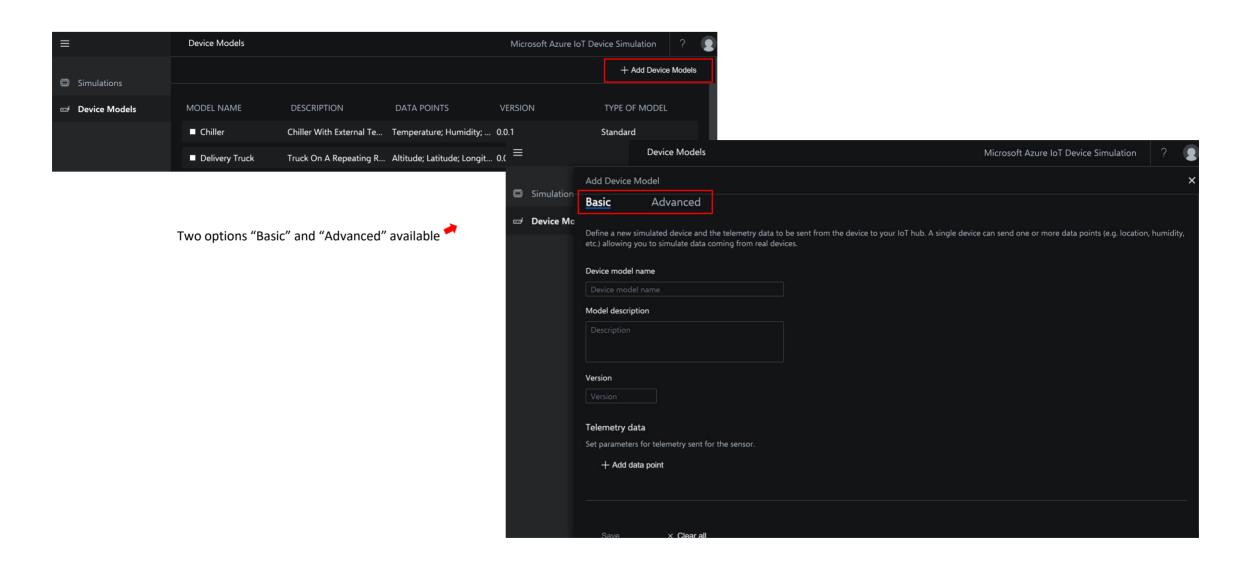
### Setup Time Series Analytics

### Steps:

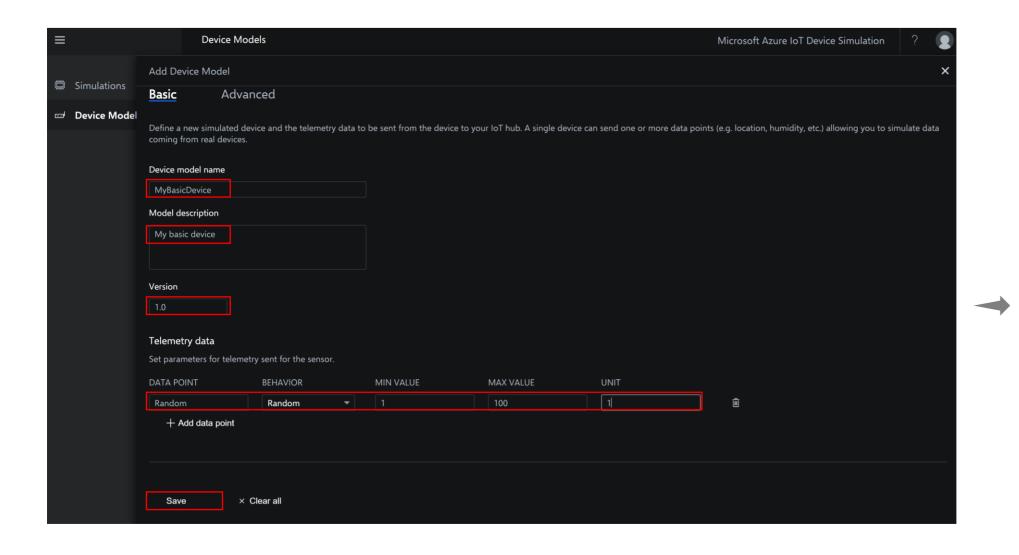
- Create an instance of Time Series Insights
- Point it to the iotHub
- View the events from the devices

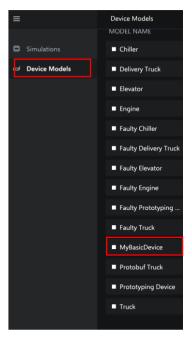


### Add Device Models

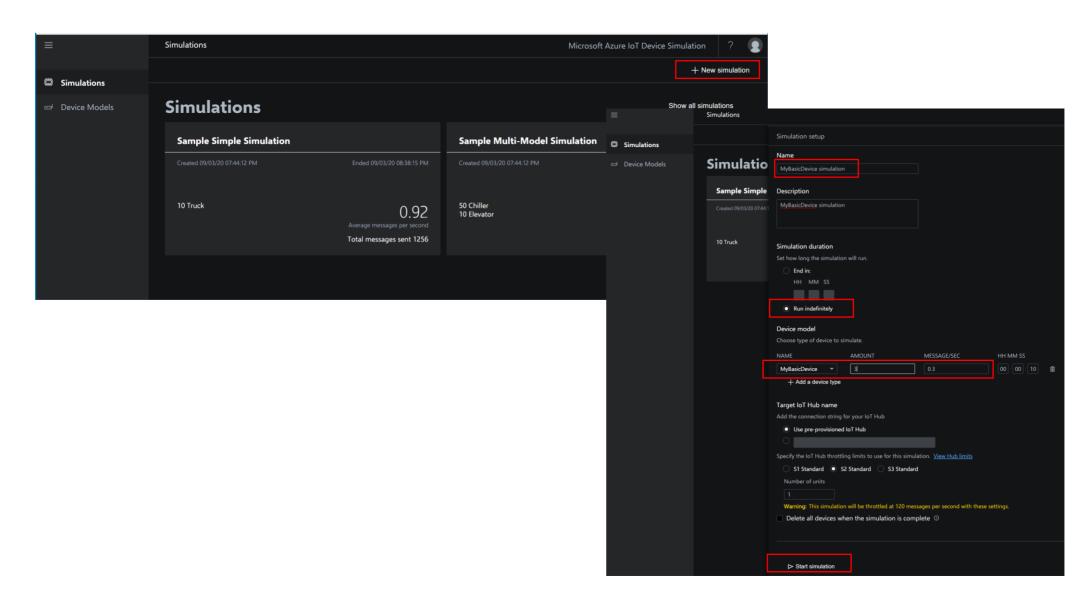


## Add "Basic" Device Model

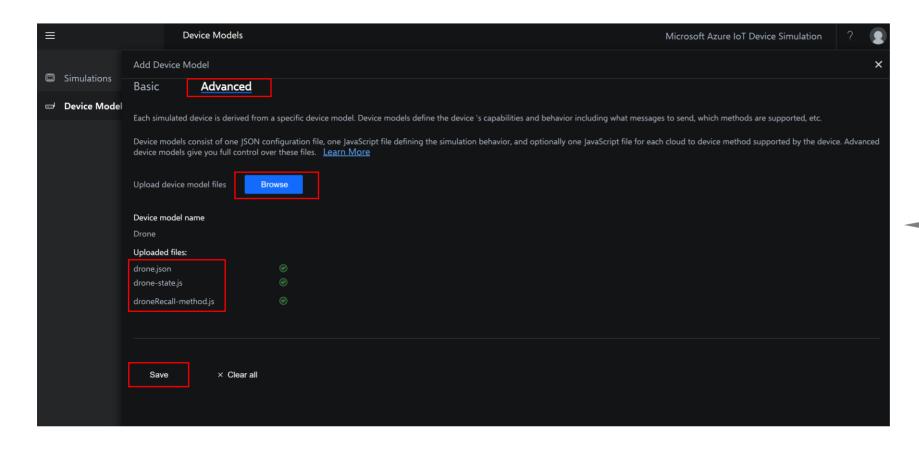


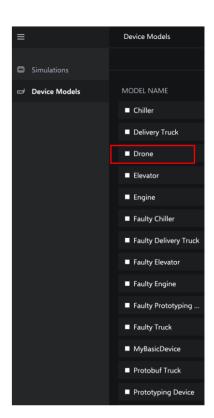


# New simulation with "Basic" device model

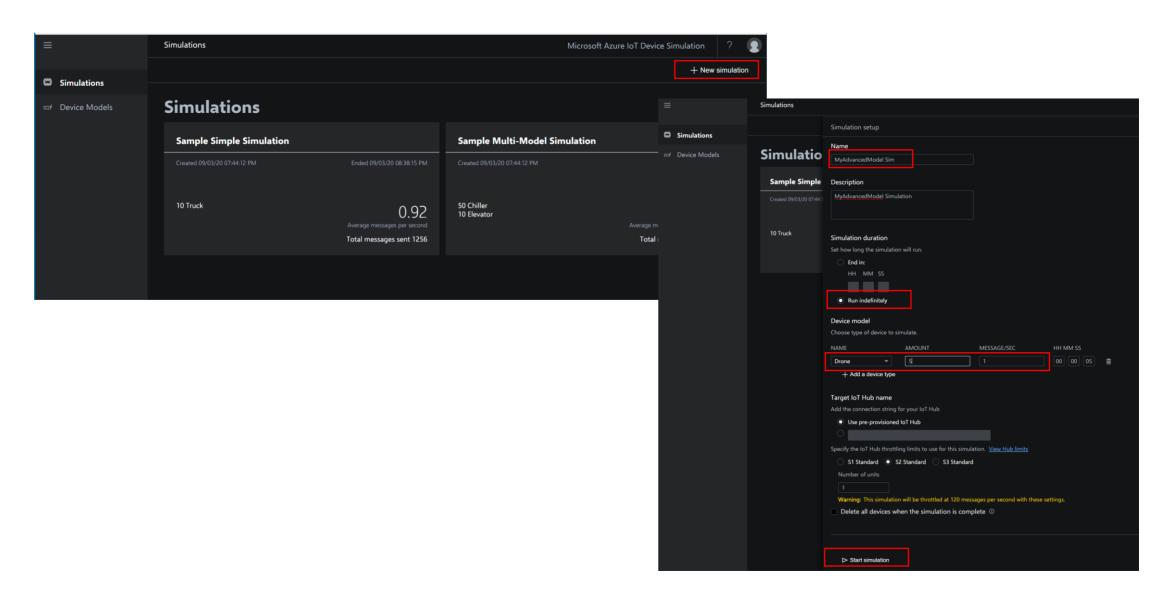


### Add "Advanced" device model





# New simulation with "Advanced" device model



Q&A