

js

1 message

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```
document.addEventListener('DOMContentLoaded', function() {

  async function fetchData() {
    try {
      const response = await fetch('https://toxyu2j8cc.execute-api.us-east-1.amazonaws.com/dev/data');
      const apiResponse = await response.json();
      const items = JSON.parse(apiResponse.body);
      console.log("API return the data:", items);
      return items;
    } catch (error) {
      console.error("failed to fetch the data:", error);
      return [];
    }
  }

  const chart = new ApexCharts(document.querySelector("#chart"), {
    chart: { type: 'line', height: 350 },
    series: [
      { name: 'Temperature (&deg;C)', data: [] },
      { name: 'Humidity (%)', data: [] }
    ],
    xaxis: { type: 'datetime' },
    yaxis: [
      { title: { text: 'Temperature (&deg;C)' } },
      {
        opposite: true,
        title: { text: 'Humidity (%)' },
        min: 0,
        max: 100
      }
    ]
  });
  chart.render();

  fetchData().then(items => {
    if (items.length === 0) return;

    chart.updateSeries([
      {
        name: 'Temperature (&deg;C)',
        data: items.map(d => [d.timestamp * 1000, d.temperature])
      },
      {
        name: 'Humidity (%)',
        data: items.map(d => [d.timestamp * 1000, d.humidity])
      }
    ]);
  });

  setInterval(async () => {
    const items = await fetchData();
    if (items.length === 0) return;

    chart.updateSeries([
      {
        name: 'Temperature (&deg;C)',
        data: items.map(d => [d.timestamp * 1000, d.temperature])
      },
      {
```

```
    name: 'Humidity (%)',  
    data: items.map(d => [d.timestamp * 1000, d.humidity])  
  });  
}, 10000);  
});
```