Monitor Node with Prometheus + Grafana

Application Monitoring



Create a file named app.ts

First, create a Node.js application using the Express framework with a file named app.ts



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Create a file named data.ts



```
export interface People {
   id number:
   name string;
export let peoples: People[] = [];
export let idCounter = 1;
export function addPeople(name: string): People {
   const nemPeople = { id: idCounter++, name };
   peoples.push(newPeople);
   return newPeople;
export function getPeoples(): People[] {
   return peoples;
export function updatePeople(id: number, name: string): People | undefined {
   const people = peoples.find(i => i.id === id);
   if (people) {
       people.name = name;
   return people;
export function deletePeople(id: number): void {
   peoples = peoples.filter(i => i.id |== id);
```



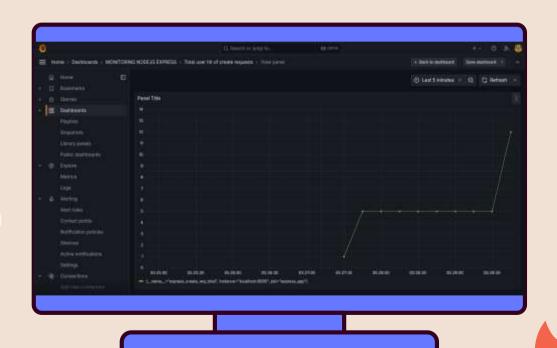
Create a file named metrics.ts

```
144
```

```
import client from 'prom-client';
const register = new client:Registry();
client collectDefaultMetrics[{ register }]:
export const createCounter = new client.Counter[{
 name: 'express_create_req_total'.
 help: 'Total user hit of create requests'.
export coast readCounter = new client.Counter({
 name: 'express_read_req_total',
 help: 'Total user hit of read requests',
export const updateCounter = new client.Counter()
 name: 'express_update_req_total',
 help: 'Total user hit of update requests',
export const deleteCounter = new client.Counter()
 name: 'express_delete_req_total'.
 help: 'Total user hit of delete requests',
register registerMetric(createCounter);
register registerMetric(readCounter);
register registerHetric(updateCounter);
register.registerMetric(deleteCounter);
export { register };
```



GRAFANA MOCKUP



SEE YOU



