

HOSPITAL MANAGEMENT CLOUD TOOLS AND RESULTS

SCREENSHOTS

The screenshot shows the Prometheus Target health interface at `localhost:9090/targets`. It displays four service endpoints:

- appointment-service**: Endpoint `http://localhost:8083/actuator/prometheus`, Labels: `app="appointment-service"`, `instance="localhost:8083"`, `job="appointment-service"`. Last scrape: 6.246s ago, 46ms. State: UP.
- doctor-service**: Endpoint `http://localhost:8082/actuator/prometheus`, Labels: `app="doctor-service"`, `instance="localhost:8082"`, `job="doctor-service"`. Last scrape: 10.401s ago, 59ms. State: UP.
- email-service**: Endpoint `http://localhost:8091/actuator/prometheus`, Labels: `app="email-service"`, `instance="localhost:8091"`, `job="email-service"`. Last scrape: 3.686s ago, 593ms. State: UP.
- patient-service**: Endpoint `http://localhost:8081/actuator/prometheus`, Labels: `app="patient-service"`, `instance="localhost:8081"`, `job="patient-service"`. Last scrape: 5.329s ago, 52ms. State: UP.

The status bar at the bottom indicates the system is 24°C, Partly sunny, ENG IN, and the date is 04-09-2025.

The screenshot shows the Grafana JVM (Micrometer) dashboard at `localhost:3000/d/06dbeb50-76d1-4516-a9da-9f8d302e40f5/jvm-micrometer?orgId=1&from=now-5m&to=now&timezone=browser&var_application=&var_instance=localhost:8091&var_jvm_memory=`. The left sidebar shows the navigation menu.

Quick Facts:

- Uptime: 12.6 s
- Start time: 2025-09-04 07:59:44
- Heap used: 3.26%
- Non-Heap used: 5.90%

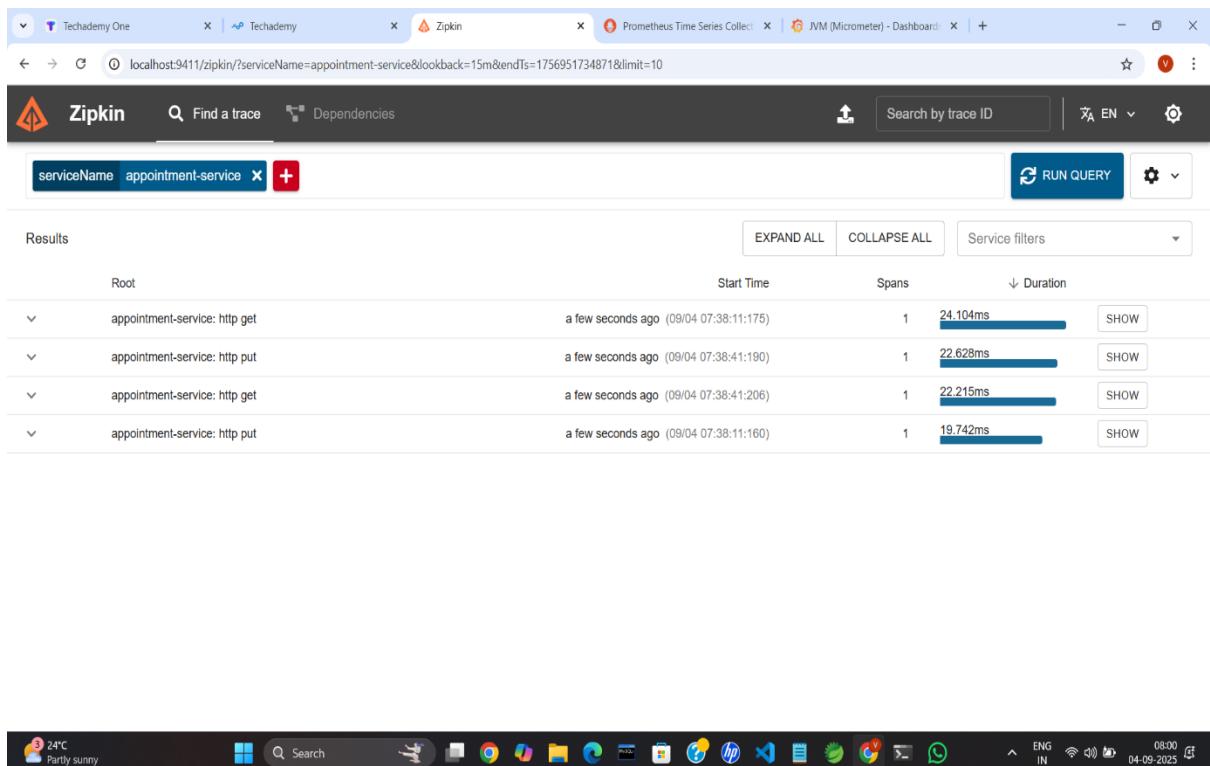
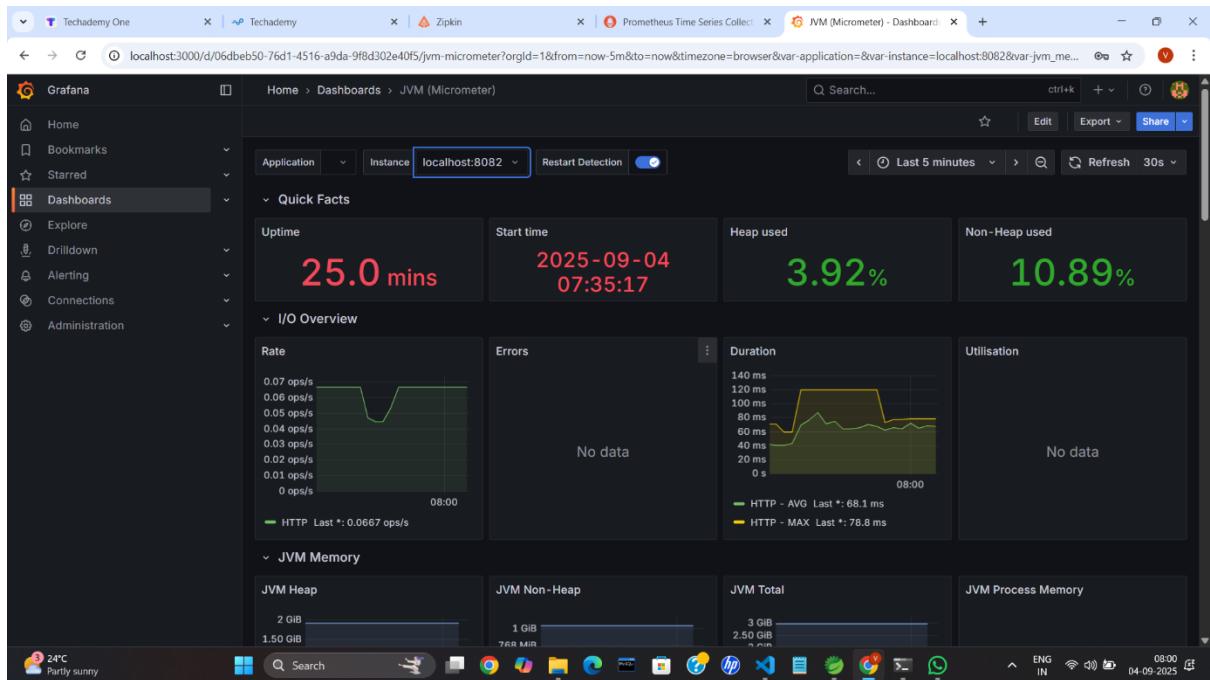
I/O Overview:

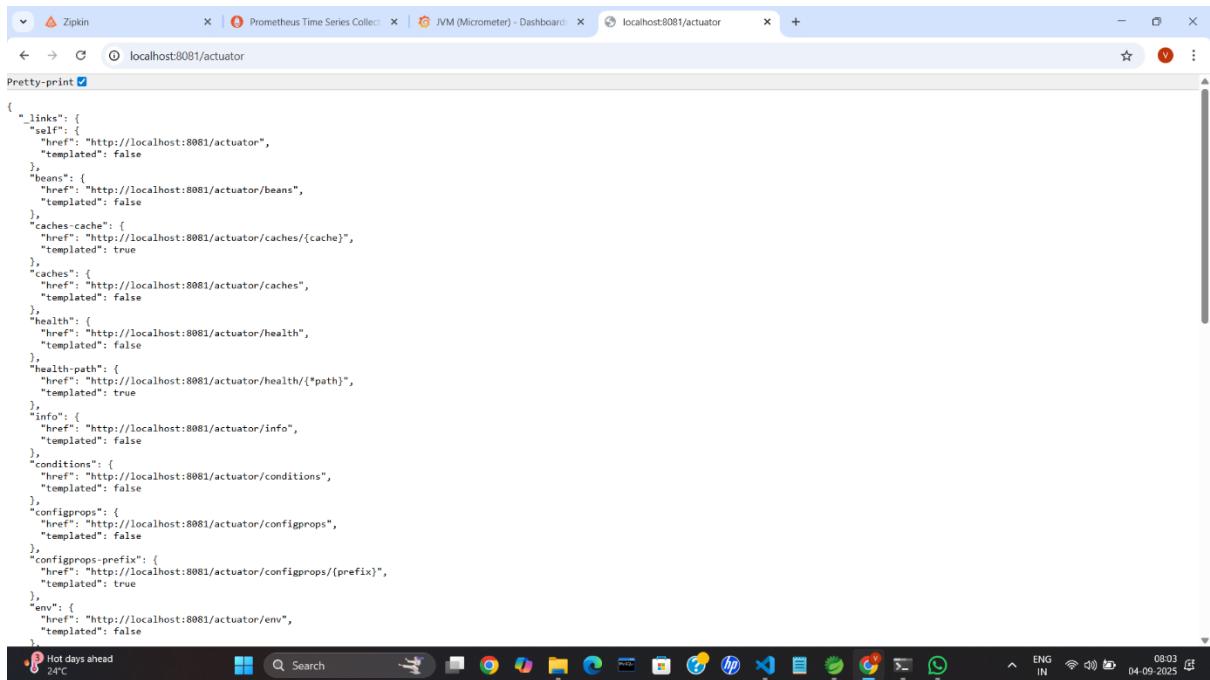
Rate	Errors	Duration	Utilisation
No data	No data	500 ms 400 ms 300 ms 200 ms 100 ms 0 s	08:00 No data

JVM Memory:

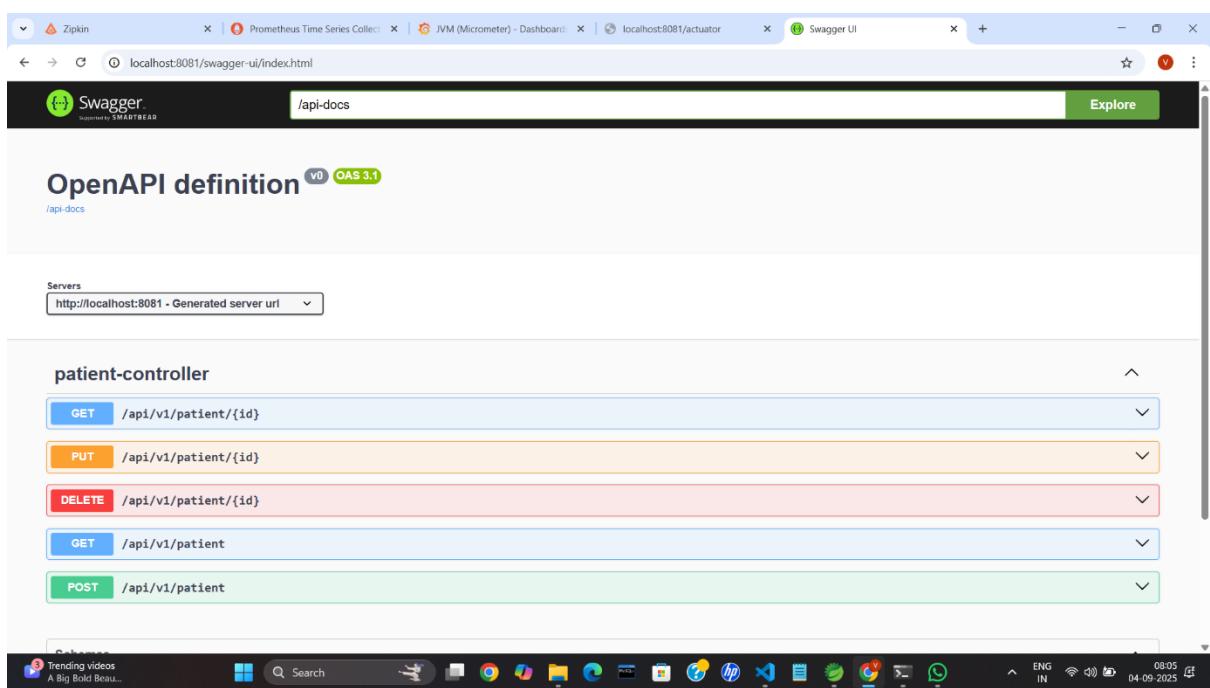
JVM Heap	JVM Non-Heap	JVM Total	JVM Process Memory
2 GiB 1.50 GiB	1 GiB 768 MiB	3 GiB 2.50 GiB	No data

The status bar at the bottom indicates the system is 24°C, Partly sunny, ENG IN, and the date is 04-09-2025.





```
{  
  "_links": {  
    "self": {  
      "href": "http://localhost:8081/actuator",  
      "templated": false  
    },  
    "beans": {  
      "href": "http://localhost:8081/actuator/beans",  
      "templated": false  
    },  
    "caches-cache": {  
      "href": "http://localhost:8081/actuator/caches/{cache}",  
      "templated": true  
    },  
    "caches": {  
      "href": "http://localhost:8081/actuator/caches",  
      "templated": false  
    },  
    "health": {  
      "href": "http://localhost:8081/actuator/health",  
      "templated": false  
    },  
    "health-path": {  
      "href": "http://localhost:8081/actuator/health/{path}",  
      "templated": true  
    },  
    "info": {  
      "href": "http://localhost:8081/actuator/info",  
      "templated": false  
    },  
    "conditions": {  
      "href": "http://localhost:8081/actuator/conditions",  
      "templated": false  
    },  
    "configprops": {  
      "href": "http://localhost:8081/actuator/configprops",  
      "templated": false  
    },  
    "configprops-prefix": {  
      "href": "http://localhost:8081/actuator/configprops/{prefix}",  
      "templated": true  
    },  
    "env": {  
      "href": "http://localhost:8081/actuator/env",  
      "templated": false  
    }  
  },  
  "Hot days ahead: 24°C"  
}
```



The screenshot shows the Swagger UI interface for an OpenAPI definition. The top navigation bar includes tabs for 'Explore' and 'Servers'. The 'Servers' dropdown is set to 'http://localhost:8081 - Generated server url'. Below this, the 'patient-controller' section lists several API endpoints:

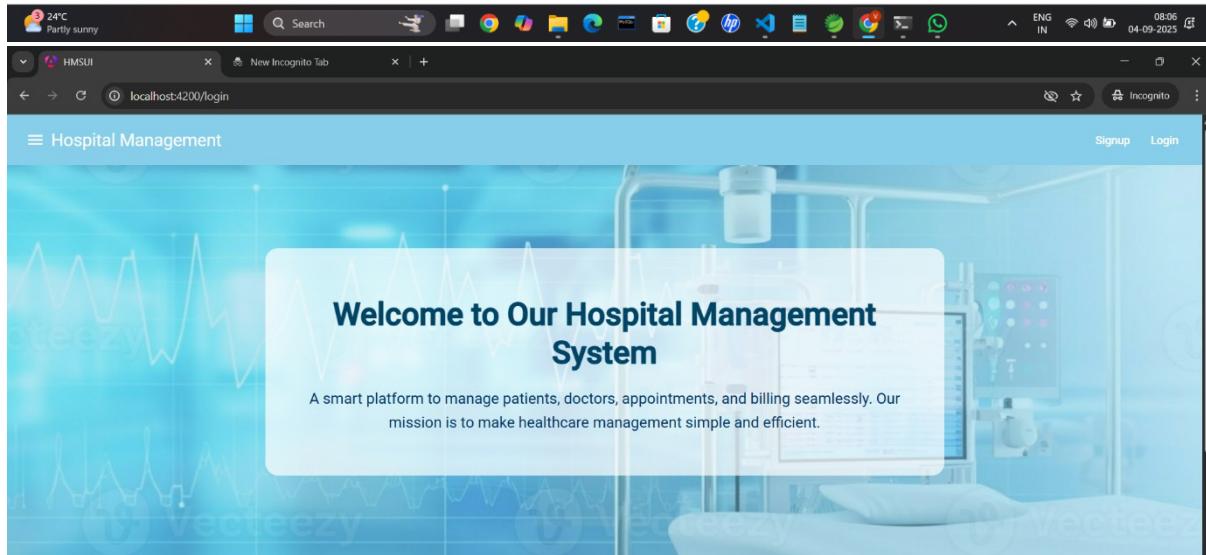
- GET /api/v1/patient/{id}
- PUT /api/v1/patient/{id}
- DELETE /api/v1/patient/{id} (highlighted in red)
- GET /api/v1/patient
- POST /api/v1/patient

At the bottom of the screen, the Windows taskbar is visible with various application icons.

```

{
  "openapi": "3.1.0",
  "info": {
    "title": "OpenAPI definition",
    "version": "v0"
  },
  "servers": [
    {
      "url": "http://localhost:8081",
      "description": "Generated server url"
    }
  ],
  "paths": {
    "/api/v1/patient/{id}": {
      "get": {
        "tags": [
          "patient-controller"
        ],
        "operationId": "getById",
        "parameters": [
          {
            "name": "id",
            "in": "path",
            "required": true,
            "schema": {
              "type": "integer",
              "format": "int64"
            }
          }
        ],
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "$ref": "#/components/schemas/PatientResponse"
              }
            }
          }
        }
      }
    },
    "/api/v1/patient": {
      "post": {
        "tags": [
          "patient-controller"
        ],
        "operationId": "create",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/PatientRequest"
              }
            }
          }
        },
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "$ref": "#/components/schemas/PatientResponse"
              }
            }
          }
        }
      }
    },
    "/api/v1/patient/{id}": {
      "put": {
        "tags": [
          "patient-controller"
        ],
        "operationId": "update",
        "parameters": [
          {
            "name": "id",
            "in": "path",
            "required": true,
            "schema": {
              "type": "integer",
              "format": "int64"
            }
          }
        ],
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/PatientRequest"
              }
            }
          }
        },
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "$ref": "#/components/schemas/PatientResponse"
              }
            }
          }
        }
      }
    },
    "/api/v1/patient/{id}": {
      "delete": {
        "tags": [
          "patient-controller"
        ],
        "operationId": "delete",
        "parameters": [
          {
            "name": "id",
            "in": "path",
            "required": true,
            "schema": {
              "type": "integer",
              "format": "int64"
            }
          }
        ],
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "$ref": "#/components/schemas/PatientResponse"
              }
            }
          }
        }
      }
    }
  ],
  "components": {
    "schemas": {
      "PatientRequest": {
        "type": "object",
        "properties": {
          "name": {
            "type": "string"
          },
          "email": {
            "type": "string"
          },
          "phone": {
            "type": "string"
          },
          "address": {
            "type": "string"
          },
          "medicalHistory": {
            "type": "string"
          },
          "age": {
            "type": "integer"
          },
          "gender": {
            "type": "string",
            "enum": [
              "MALE",
              "FEMALE",
              "OTHERS"
            ]
          }
        }
      },
      "PatientResponse": {
        "type": "object",
        "properties": {
          "id": {
            "type": "integer"
          },
          "name": {
            "type": "string"
          },
          "email": {
            "type": "string"
          },
          "phone": {
            "type": "string"
          },
          "age": {
            "type": "integer"
          },
          "gender": {
            "type": "string",
            "enum": [
              "MALE",
              "FEMALE",
              "OTHERS"
            ]
          },
          "address": {
            "type": "string"
          },
          "medicalHistory": {
            "type": "string"
          }
        }
      }
    }
  }
}

```



Sign Up

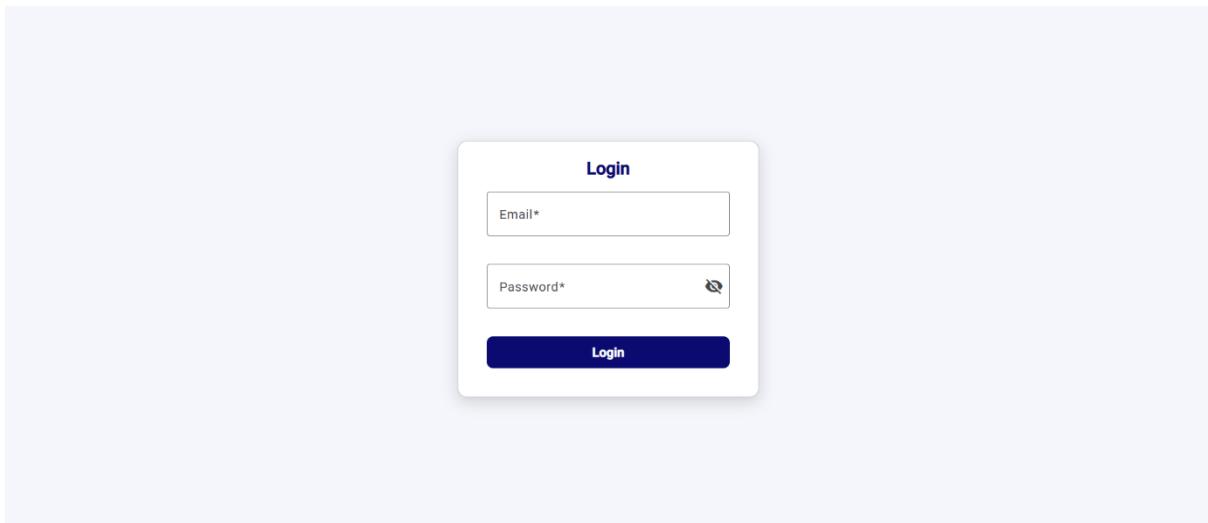
Enter Your Name*

Enter Your Email*

Enter your password*

Confirm your password*

Signup



☰ HMS Application

Dashboard AddDoctor AddPatient ViewDoctors Logout

Add Doctor

Doctor Name* Dr. Sneha

Specialization* Gynachologist

Email* sneha@gmail.com

Phone* 7890098756

Add Doctor

