

# HOSPITAL MANAGEMENT CLOUD TOOLS AND RESULTS

## SCREENSHOTS

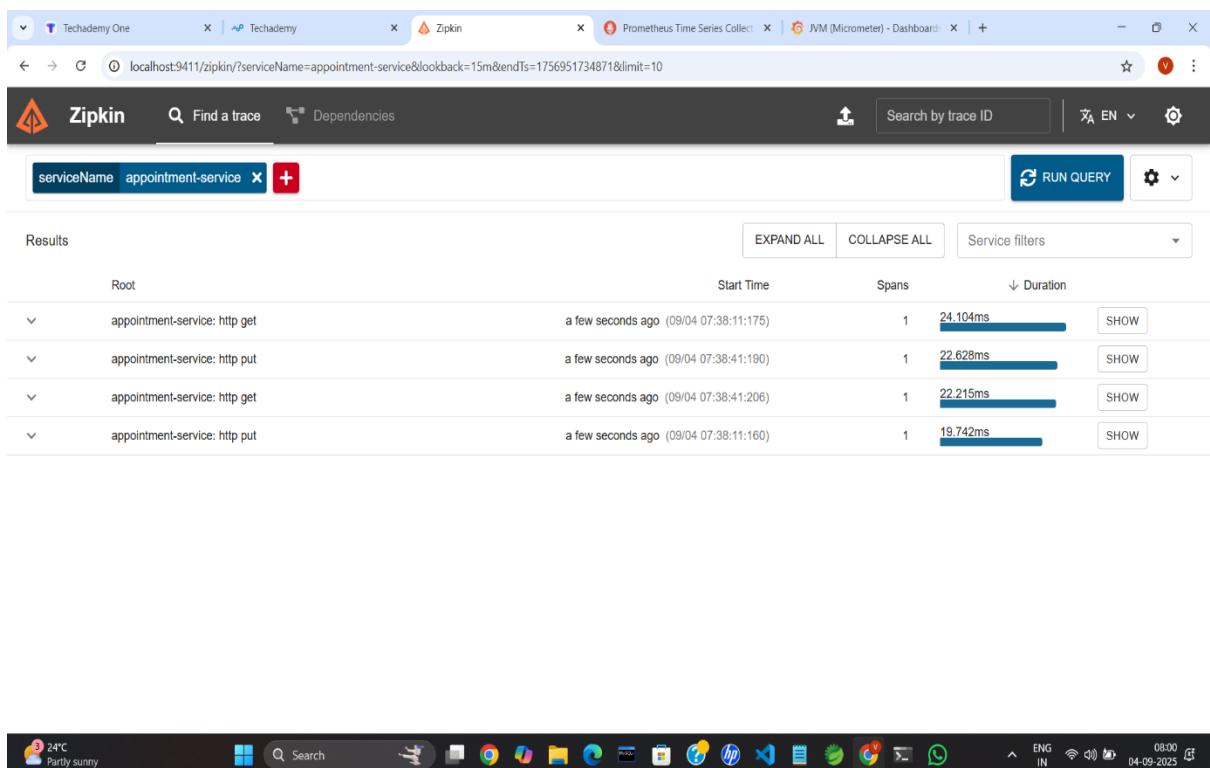
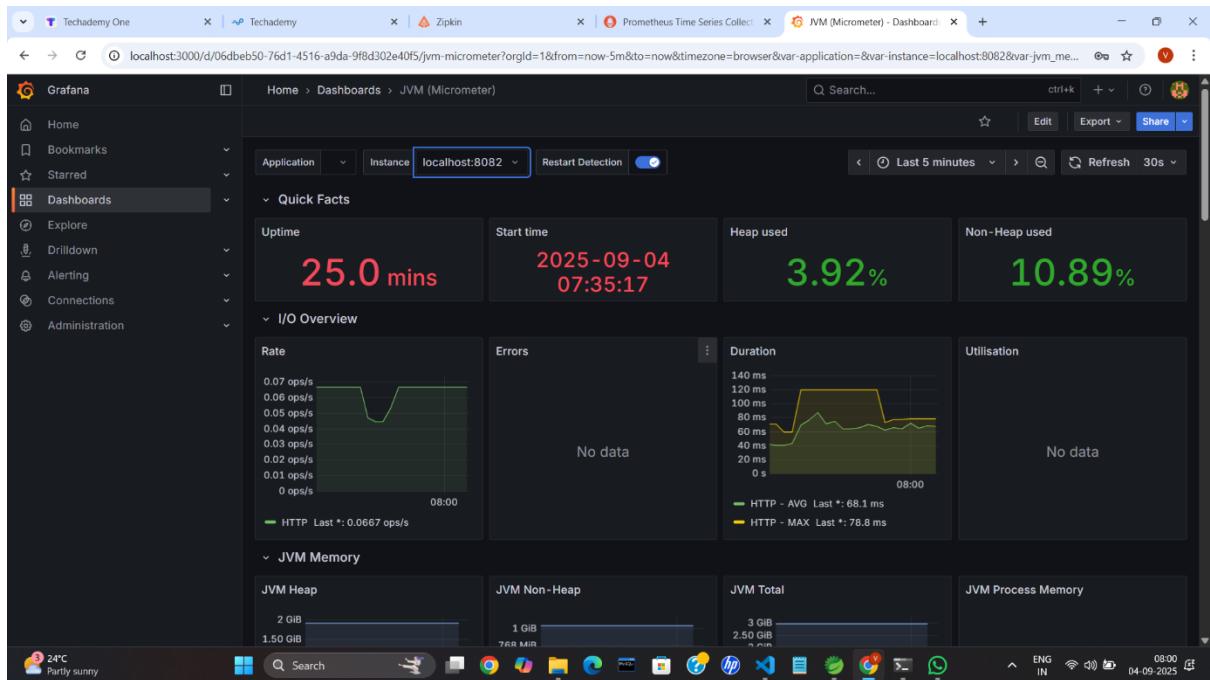
The screenshot shows the Prometheus Target health interface at `localhost:9090/targets`. It displays four service entries:

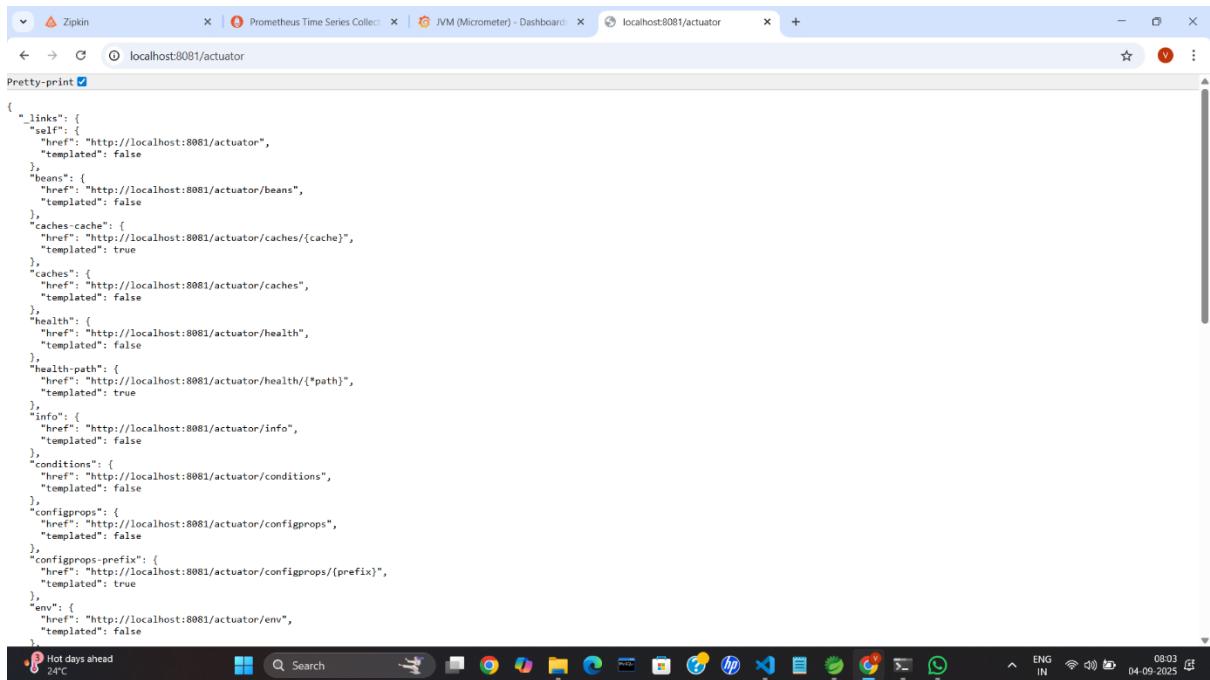
- appointment-service**: Endpoint `http://localhost:8083/actuator/prometheus`, Labels `app="appointment-service", instance="localhost:8083", job="appointment-service"`, Last scrape 6.246s ago, State UP.
- doctor-service**: Endpoint `http://localhost:8082/actuator/prometheus`, Labels `app="doctor-service", instance="localhost:8082", job="doctor-service"`, Last scrape 10.401s ago, 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, 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, State UP.

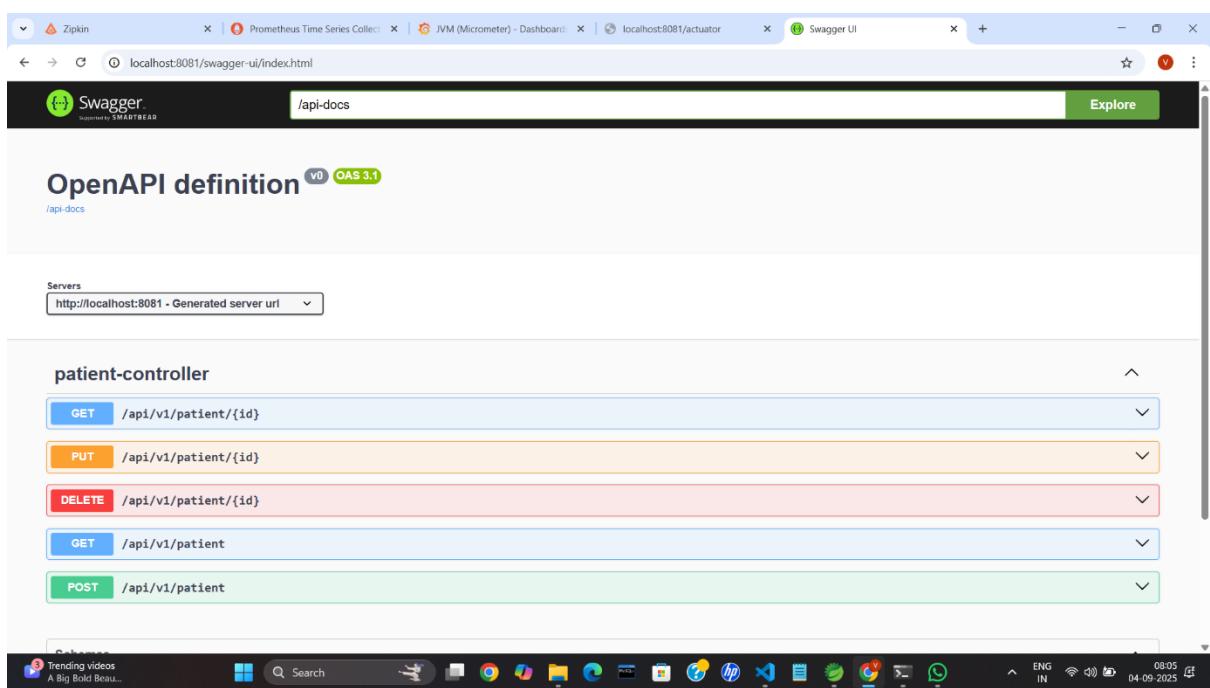
The screenshot shows the Grafana JVM (Micrometer) dashboard at `localhost:3000/d/06dbeb50-76d1-4516-a9da-9f8d302e40f5/jvm-micrometer?orgId=1&from=now-5m&to=now&timezone=browser&var-application=&var-instance=localhost:8091&var-jvm_memory_usage=`. The dashboard includes sections for Quick Facts, I/O Overview, and JVM Memory.

- 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. All show "No data".
- JVM Memory**: JVM Heap (2 GiB, 1.50 GiB), JVM Non-Heap (1 GiB, 768 MiB), JVM Total (3 GiB, 2.50 GiB), JVM Process Memory.





```
{  
  "_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  
  Search ENG IN 08:03 04-09-2025  
  ...
```



OpenAPI definition v0 OAS 3.1 /api-docs

Servers  
http://localhost:8081 - Generated server url

patient-controller

GET /api/v1/patient/{id}

PUT /api/v1/patient/{id}

DELETE /api/v1/patient/{id}

GET /api/v1/patient

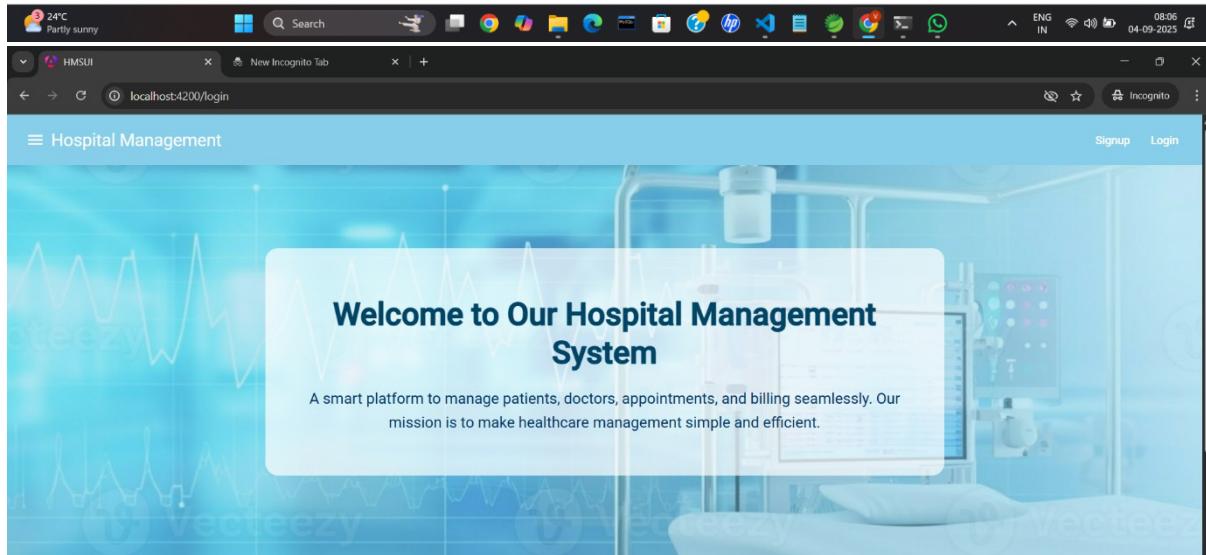
POST /api/v1/patient

Trending videos A Big Bold Beau... 08:05 04-09-2025

```

{
  "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**

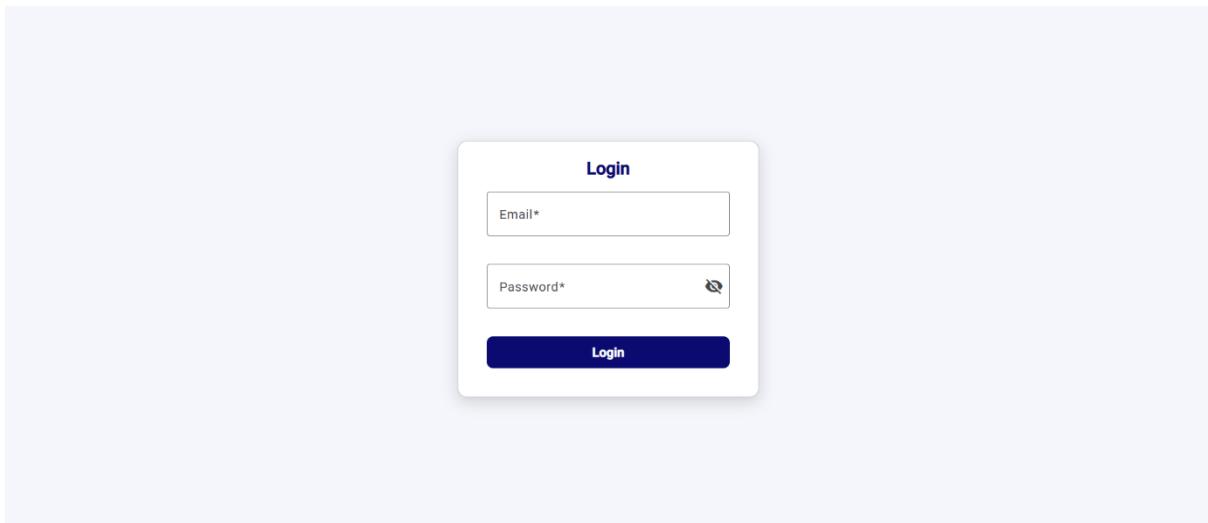
Enter Your Name\*

Enter Your Email\*

Enter your password\*

Confirm your password\*

**Signup**



The screenshot shows a web application for managing medical staff. The main navigation bar at the top includes links for Dashboard, AddDoctor, AddPatient, ViewDoctors, and Logout. The current page is the 'Add Doctor' section. The form fields are as follows:

- Doctor Name\*: Dr. Sneha
- Specialization\*: Gynachologist
- Email\*: sneha@gmail.com
- Phone\*: 7890098756

A large blue 'Add Doctor' button is located at the bottom left of the form area.

The screenshot shows the Admin Dashboard of the HMS Application. At the top, there are navigation links: Dashboard, AddDoctor, AddPatient, ViewDoctors, and Logout. Below the header is a table titled "Admin Dashboard" with two sections: "Doctors" and "Patients".

Doctors		Patients		
ID	Name	Email	Phone	Specialty
1	Dr. Rakesh Sharma	rakesh.sharma@example.com	8765432109	Orthopedics
2	Dr. Priya Verma	priya.verma@example.com	9812345678	Pediatrics
3	Dr. Sneha	sneha@gmail.com	7890098756	Gynaecologist

[Logout](#)



The screenshot shows the "Add Patient" form. The title is "Add Patient". The form contains five input fields: Name\*, Email\*, Phone\*, Age\*, and Gender\*. At the bottom are "Add Patient" and "Cancel" buttons.



The screenshot shows a web browser window with the URL `localhost:4200/user/dashboard`. The main content area displays the "HMS Application" dashboard with the heading "Welcome to HMS Application" and a sub-instruction "Manage your health easily – book appointments, view records, and stay updated." Below this, there are several navigation links: "HMS Application", "Dashboard", "My Appointments", "Book Appointment", "Profile", and "Logout".

The right side of the browser window is occupied by the Chrome DevTools Application panel, which is open for the origin `http://localhost:4200`. The "Storage" tab is selected, showing the "Local storage" section for the key `http://localhost:4200`. It lists two items: "token" and "user". The "token" value is a long string of characters, and the "user" value is a JSON object:

```
{"id":2,"role":"USER"}
```

The "Background services" tab is also visible in the Application panel.

At the bottom of the screen, the Windows taskbar is visible, showing various pinned icons and the system tray with the date and time (04-09-2025, 10:33).