

TASK 7: Monitor System Resources Using Netdata

Objective: Install Netdata and visualize system and app performance metrics.

Tools: Netdata (free, open-source monitoring tool), Docker

Deliverables: Screenshot of the dashboard and running metrics

Mini-Guide (Hints):

- Run via Docker: `docker run -d --name=netdata -p 19999:19999 netdata/netdata`
- Access at `http://localhost:19999`
- Monitor CPU, memory, disk, Docker containers
- Explore alerts and chart panels
- Explore logs in `/var/log/netdata`

Outcome: Understand lightweight monitoring for servers or apps

Interview Questions:

1. What does Netdata monitor?
2. How do you view real-time metrics?
3. How is Netdata different from Prometheus?
4. What is a collector?
5. What are some performance KPIs to watch?
6. How to deploy Netdata on a VM?
7. How does Netdata alerting work?
8. What is a dashboard in this context?

📌 Task Submission Guidelines

- 🕒 **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10 :00 PM

- 🔍 **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🔧 **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💰 **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a **short README.md** explaining what you did.

- 📌 **Submit Here:**

After completing the task, paste your GitHub repo link and submit it using the link below:

SUBMISSION LINK

