

BATCH3.0 START DATE – MAY 27TH 2023 [2 MONTHS COURSE]

Link to enroll - <https://bit.ly/ULTIMATEDEVOPS3>

[COUPON CODE - **LIVE30**] Replace the existing code with new code for the biggest discount till date, Code valid for 24 hours

Register now seats are getting filled fast

- 1) WEEKEND LIVE ONLINE CLASSES – SATURDAY AND SUNDAY [3 HOURS EACH SESSION]**
- 2) 12+ REAL TIME HANDS-ON PROJECTS**
- 3) EXTRA DOUBT CLEARING SESSIONS**
- 4) EXTRA PROJECTS WITH DOCUMENTS**
- 5)JOB SUPPORT VIA FEW EXTRA SESSIONS AFTER COMPLETION OF COURSE**
- 6)JOB SUPPORT VIA RESUME TO HR DIRECT CONNECT**
- 7)RESUME REVIEWS / MOCK INTERVIEWS / LIVE FEEDBACK SHARE TO STUDENTS / INTERVIEW QUESTIONS TOOL WISE DISCUSSION**

PROJECT6 – GRAFANA INTEGRATION WITH MYSQL DATABASE

PREREQUISITE

- 1) Create Linux EC2 instance in aws**
- 2) yum install docker**
- 3) systemctl start docker**
- 4) systemctl enable docker**

Step 1 – Change the Security Group of EC2 instance you created to ALLOW ALL TRAFFIC

Inbound rules Info						
Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info		Desc Info
sgf-03e4d3cb54f69374e	SSH	TCP	22	Custom	<input type="text" value="0.0.0.0"/>	
-	All traffic	All	All	Anywhere-IPv4	<input type="text" value="0.0.0.0"/>	

Step 2- Connect to your instance and Run the below command and give credentials

```
docker run -d --name=grafana -p 3001:3000 -v grafana_config:/etc/grafana -v grafana_data:/var/lib/grafana -v grafana_logs:/var/log/grafana grafana/grafana
```

Give password admin:admin and replace to new password

Step 3 - Install MySql

Step 3.1 : `docker run -d --name mysqlldb -p 3306:3306 -v db_data:/var/lib/mysql -e MYSQL_ROOT_PASSWORD=password mysql:latest`

Step 3.2 : `docker exec -it mysqlldb bash`

STEP 3.3 : `mysql -u root -p password`

Step 3.4 : show databases;

Step 3.5 : create database team;

Step 3.6: USE team;

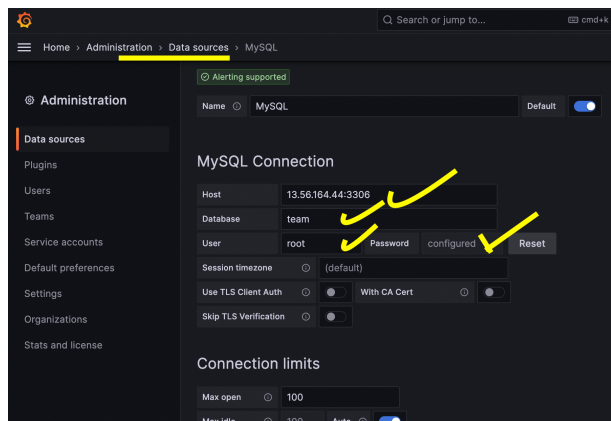
Step 3.7 : `CREATE TABLE person (person_id INT NOT NULL PRIMARY KEY, fname VARCHAR(40) NULL, lname VARCHAR(40) NULL, age INT NOT NULL, created TIMESTAMP);`

Step 3.8 : Show tables;

Step 3.9 :

```
INSERT INTO person (person_id, fname, lname, age) VALUES (1,'Peter','Engineer', 32);
INSERT INTO person (person_id, fname, lname, age) VALUES (2, 'Richard', 'Gaol', 27);
INSERT INTO person (person_id, fname, lname, age) VALUES (3, 'Howard', 'Ken', 38);
INSERT INTO person (person_id, fname, lname, age) VALUES (4, 'Lucy', 'Dey', 32);
```

Step 4 : Add **DataSource** in Grafana as MYSQL DB [Add the IP:port of database / DB name / Username and password



Step 5 : Add a dashboard with Add a panel

