

Database Monitoring

OEM: Zabbix • Code: DATABASE_MONITORING

COURSE DESCRIPTION

The goal of this course is to fully explain DBMS monitoring concepts and approaches, and provide practical knowledge of configuring DBMS monitoring with Zabbix. The course covers various Zabbix native approaches to collect DBMS performance metrics and collect DBMS-related data using Zabbix Agent 2, ODBC and API requests. The course also covers optimizing DBMS data collection by introducing dependent Low-level discovery for minimal DBMS performance impact. During the course, students will practice configuring DBMS monitoring for such DBMS as MySQL, MariaDB, PostgreSQL, MongoDB, Redis, InfluxDB and Elasticsearch

AUDIENCE PROFILE

- This section doesn't contain any content.

PREREQUISITES

- This section doesn't contain any content.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Automatically discover and start collecting DBMS performance metrics — from various database engines representing the most popular vendors
- Get an in-depth look at how DBMS metrics are exposed and collected — Learn how to troubleshoot DBMS data collection issues
- Optimize DBMS data collection — by implementing custom queries and bulk data collection
- Collect custom data from both SQL and NoSQL databases — by using different Zabbix data collection approaches

COURSE OUTLINE

Module 1: Course Program

- Introduction to various DBMS
- Database monitoring using ODBC
- Additional database monitoring methods

- Database monitoring basics
- Database monitoring using encryption
- Performance impact
- Database monitoring using Zabbix agent 2
- Database monitoring with dependent LLD