magnitia
IT's next generation

Performance Testing with JMeter

Introduction to Performance Testing

- Overview of Performance Testing
- Performance Testing Concepts
- Why to use performance Testing tool?
- What is JMeter?

Introduction to JMeter

- JMeter overview and features
- LoadRunner Vs JMeter
- Installing and Running JMeter in Windows OS, Mac
- Introducing the JMeter GUI
- Configuring JMeter
- How does JMeter perform Load Testing

JMeter Test Plan

- What is a Test Plan?
- Elements of a Test Plan
- Thread Group
- Controllers
- Samplers
- Logic Controllers
- Listeners
- Timers
- Assertions
- Configuration Elements
- Pre-Processor Elements
- Post-Processor Elements
- Building a Test Plan
- Adding and Removing Elements
- Loading and Saving Elements
- Configuring Tree Elements
- Running a Test Plan
- Database Test Plan
- Adding Default HTTP Request Properties
- Adding Cookie Support
- Adding HTTP Requests
- Adding Post-Processor for Correlation
- Adding a Listener to View/Store the Test Results
- Saving the Test Plan
- Running the Test Plan
- FTP test plan
- Webservice test plan
- Monitor Test plan
- Setup Tomcat Server
- Write JMeter Test Plan
- Add thread group
- HTTP authorization manager
- Add sampler-HTTP request
- Add constant timer
- Add listener
- Run the test plan
- View output

Listeners

- What are Listeners
- Different Types of Listeners
- Default Configuration
- CSV Log format
- Saving response data
- Loading (reading) response data
- Saving Listener GUI data

JMeter Functions and User Variables

- Where can functions and variables be used?
- Reference variables and functions
- Creating User Variables
- Using JMeter Functions
- Sharing variables between Threads and Thread groups

JMeter Test Executions

- Create JMeter test plan
- Error handling in JMeter
- JMeter Distributed Testing- Master Slave setup
- JMeter API testing

JMeter Integration with ELK Stack

- Why ELK Stack?
- Introduction to ELK Stack components
- JMeter Integration with ELK Stack
- Buiding Kibana dashboards and Monitoring with ELK Stack