

WHO IS THIS COURSE FOR?

Continuous Monitoring with Elastic Stack

Workshop is designed for everyone working in the field of IT, start from Development to Operation. Our program is especially beneficial for IT professionals who are seeking to improve the practical knowledge and skill to implement proper Continuous Monitoring and get visibility on their infrastructure, application and business health.

The following will definitely benefit from this course:

IT Professionals involved in IT development, and IT Operation.

IT Professionals involved in Agile and DevOps environment.

IT Operation professionals working within, or approaching a DevOps environment with the need for a detailed understanding and practical skills of Continuous Monitoring.

Infrastructure/Platform Engineers.

DevOps Engineer

Site Reliability Engineer

PREREQUISITE

The following is the prerequisite for participant to take this workshop

- Basic knowledge or experience in programming is recommended (but not mandatory).
- Personal notebook/laptop with camera and internet connection to use in the hands-on workshop session.
- Installation of Elastic Stack in the personal notebook/laptop

CONTACT US

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CONTINUOUS MONITORING

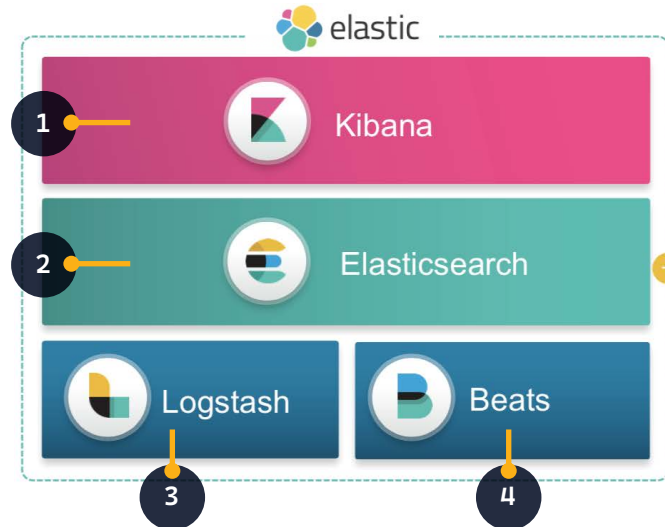
WITH ELASTIC STACK

Workshop Syllabus



TECHNOLOGY STACK IN THE WORKSHOP

Following is the technology stack will be used in the workshop:



Explanation :

- 1 Kibana will be the primary component for Dashboard, or User interface
- 2 Elasticsearch as the Monitoring database
- 3 Parsing and Data Transformation will be performed using LogStash Pipeline
- 4 We will practice with various beats as the agents to send data from the targeted server
- 5 Extension package to perform various functions, such as alerting and notification



X-Pack

- Security
- Alerting
- Monitoring
- Reporting
- Graph

VIRTUAL CLASSROOM DELIVERY – TIME TABLE –



WORKSHOP AGENDA

Following is the agenda for our 3 days Hands-on Workshop

DAY 1

- Setting up the Stack
 - Installation of Elastic Stack
 - Key Configuration
 - Elastic DB Concept: Cluster, Node,
 - Shard, Index, Data, Document, Data Types
 - Basic Query: Match, Range, Sorting
 - Browsing Documentation
- Setting up Infrastructure Monitoring
 - MetricBeat Installation
 - Key Configuration
 - Viewing Result in DB & Dashboard
 - Overview of other agent for infrastructure monitoring

DAY 2

- Visualisation and Dashboard
 - Dashboard Concept with Kibana
 - Kibana Overview: Discover, Visualisation and Dashboard
 - Configuring Kibana
 - Exploring User Interface
 - Using Filtering
- Creating Your Dashboard
 - Create and customise Your Dashboard
 - Filtering in Dashboard
 - Exploring X-Pack for notification and alerting

DAY 3

- Data Processing with LogStash
 - Key Configuration of LogStash
 - LogStash: Config file structure, pipeline, and Comman Line Pipeline
 - Consuming data from File and SQL Query
 - Putting data to Elasticsearch DB
 - Playing with Conditional Logic
 - Filtering on LogStash
 - Exploring Documentation
- Review and Q&A

