



Terraform: ELK Basics and Application

Terraform : Deployment Automation

- How to Debug Issue in production?
- ELK stands for **Elasticsearch, Logstash, and Kibana**.
- Each of these tools are Open-Source and can be used Independently.
- Together providing a solution to the common problem, ie. efficiently store, search and visualize large text files or logs.

Terraform : Deployment Automation

➤ **Elastisearch :**

- ES is central component of the ELK stack. Elasticsearch offers multi-node (scalable) distributed search and analytics engine.
- Stores and indexes data centrally and provides REST API access to it. Can be taken as a database for text files.

➤ **Logstash :**

- Input for ES. Logstash can receive logs or text files from different sources, transform it, and send it Elasticsearch.

➤ **Kibana :**

- Kibana gives a UI to Elasticsearch, using which you can visualize and navigate the data stored in Elasticsearch.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker's tip is just finishing the exclamation mark. The background is a plain, light-colored surface.

See you in next lecture ...