



TRUTHSIFT ANALYSIS

# BEST TOOL FOR MICROSERVICES?

Analyse which tool is best for microservices. We provide a breakup of different tools, where each tool can be discussed through its own graph.

Each tool is shown by a graph

- 1. ELK Stack - 8 nodes
- 2. Prometheus - 6 nodes
- 3. Datadog - 9 nodes

## PARTICIPANTS

There were 16 participants

## PROBABILITY LIKELIHOOD

Scoring Parameter(s):

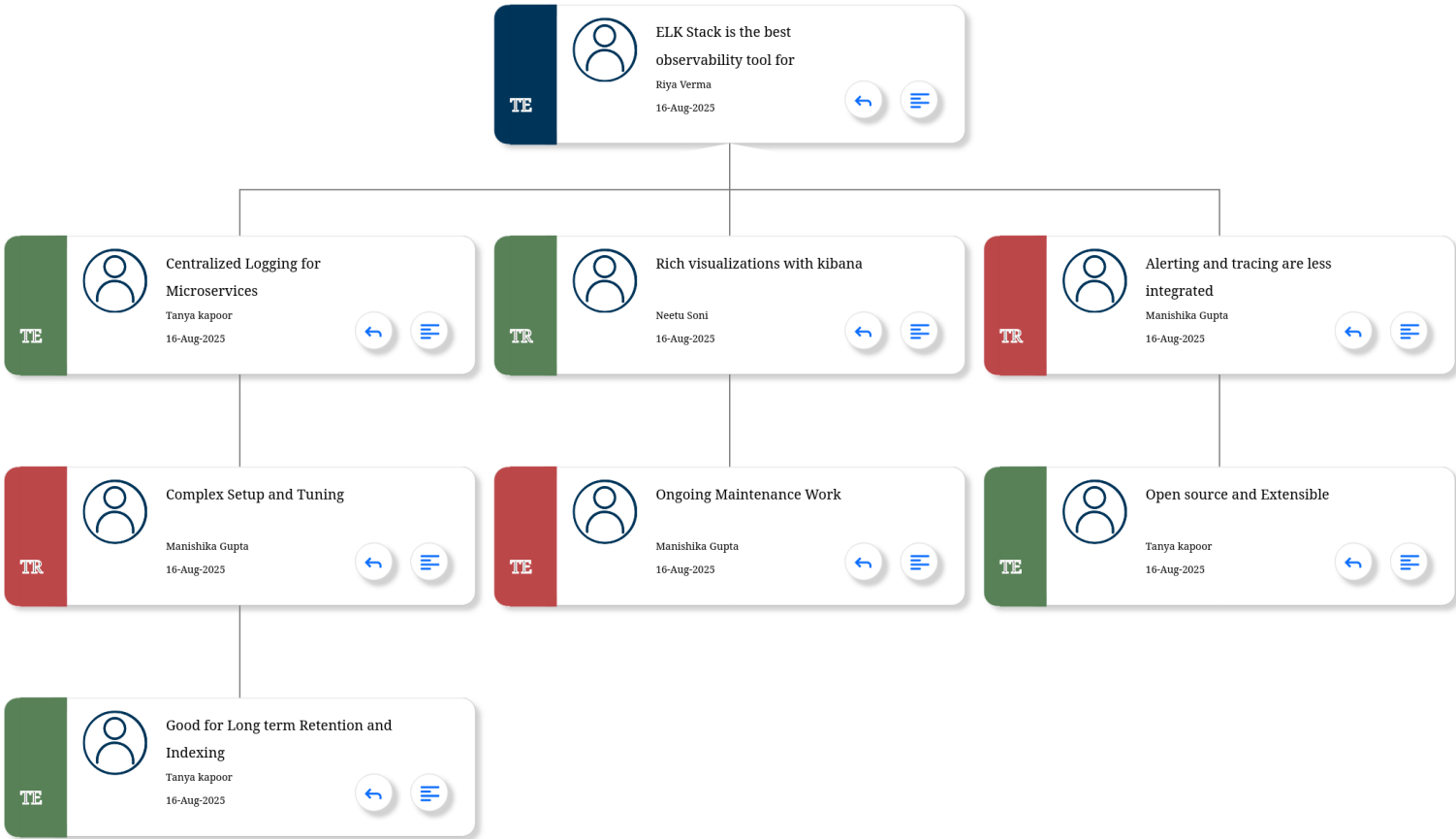
- 1. Setup ease
- 2. Cost efficiency
- 3. Reliability
- 4. Scalability
- 5. Query and dashboard power

GRAPH	SCORE
1. ELK Stack	80%
2. Prometheus	74%
3. Datadog	60%

# GRAPH SNAPSHOT

## ELK Stack

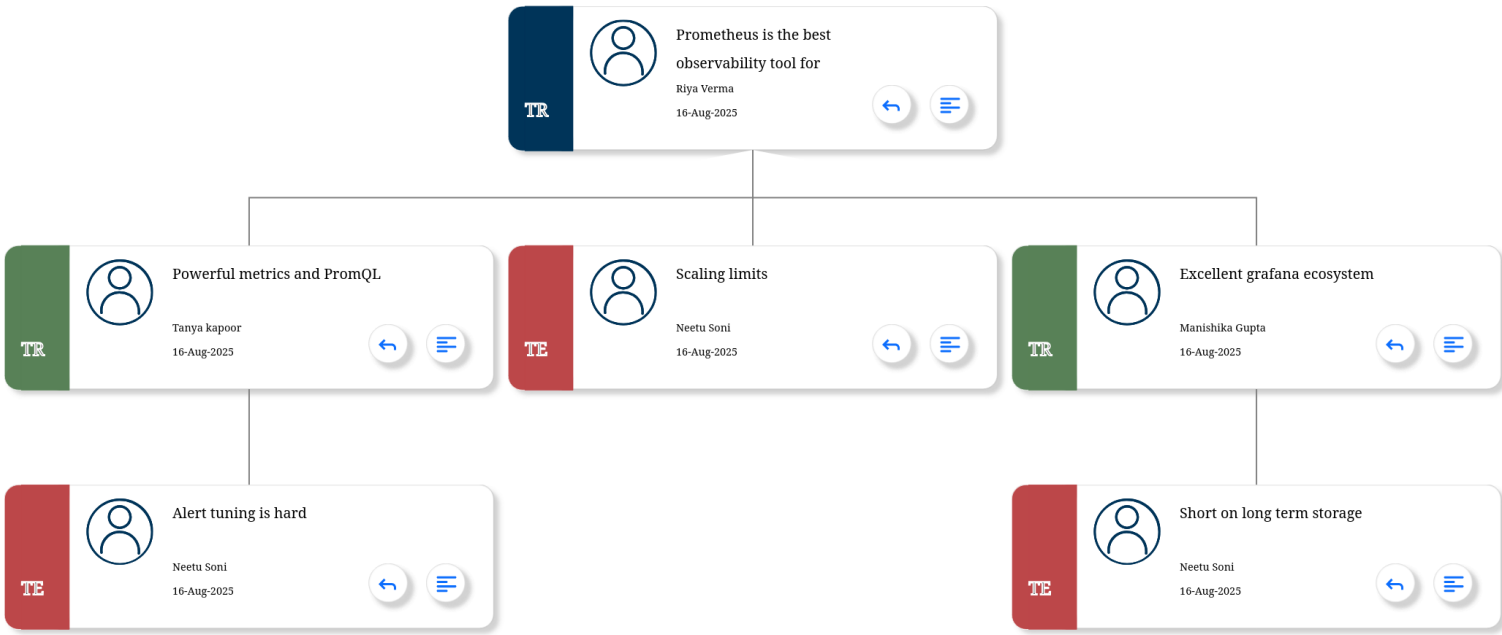
<https://app.truthsift.com/spectate/placeholder/505/17>



# GRAPH SNAPSHOT

Prometheus

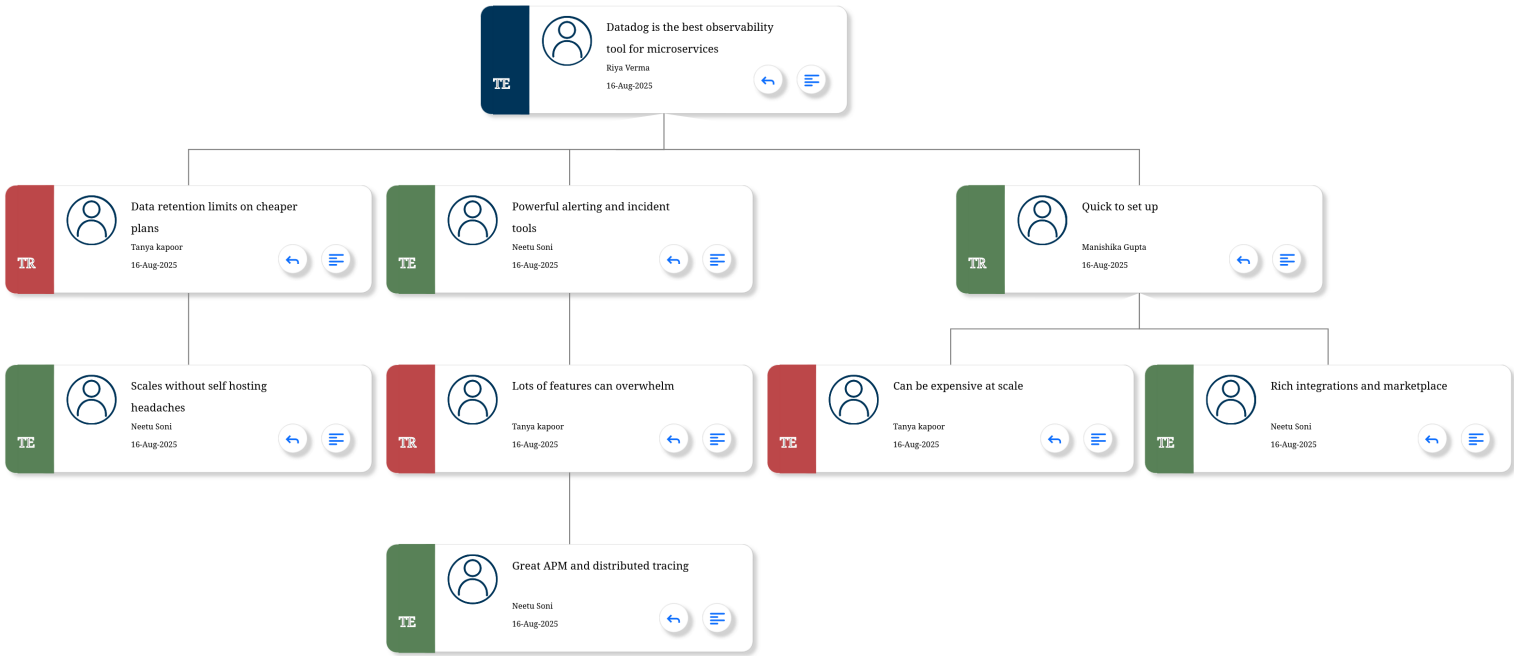
<https://app.truthsift.com/spectate/placeholder/503/17>



# GRAPH SNAPSHOT

Datadog

<https://app.truthsift.com/spectate/placeholder/504/17>



# OVERALL VERDICT

"Grafana - 70%  
Kibana - 75%

- 1. ELK Stack
  - Setup ease: 70%
  - Cost efficiency: 80%
  - Reliability: 90%
  - Scalability: 85%
  - Query and dashboard power: 80%

- 2. Prometheus
  - Setup ease: 80%
  - Cost efficiency: 70%
  - Reliability: 75%
  - Scalability: 80%
  - Query and dashboard power: 70%

- 3. Datadog
  - Setup ease: 60%
  - Cost efficiency: 50%
  - Reliability: 70%
  - Scalability: 60%
  - Query and dashboard power: 80%

- 4. Grafana
  - Setup ease: 75%
  - Cost efficiency: 70%
  - Reliability: 80%
  - Scalability: 75%
  - Query and dashboard power: 75%

- 5. Kibana
  - Setup ease: 75%
  - Cost efficiency: 80%
  - Reliability: 70%
  - Scalability: 75%
  - Query and dashboard power: 80%

Based on the analysis of the tools, the ELK Stack emerges as the best option for microservices. It scores the highest in reliability and cost efficiency, making it a robust choice for monitoring and logging in a microservices architecture. Its scalability also ensures that it can handle growing workloads effectively. The query and dashboard power of the ELK Stack is also commendable, allowing for effective data visualization and analysis.

Prometheus is a strong contender, particularly in terms of setup ease and scalability. It is a good choice for organizations that prioritize quick deployment and the ability to scale their monitoring solutions. However, it falls short in cost efficiency compared to the ELK Stack.

Grafana and Kibana are both solid options, with similar scores across the board. They provide good query and dashboard capabilities, making them suitable for visualizing data. However, they do not outperform the ELK",