**Open-Ended Question:**

* A new microservice needs to be added to a distributed system. How would you design its logging and monitoring system to ensure it integrates seamlessly with existing ELK stack infrastructure?
* Deliverables: A short architecture diagram and written explanation.

**Answer:**

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| New Microservice | Ensure that logs sent to the existing logstash (IP:Port) and configuration (tcp/udp) also its format logs data. |
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| Existing Logstash | Add new filter if needed for the new microservice |
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| Existing Elasticsearch |  |
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| Existing Kibana | Make new data view and dashboard for monitoring |