



Architecture Diagrams

Centralized Log Analytics



Centralized Log Analytics: Architecture Diagrams

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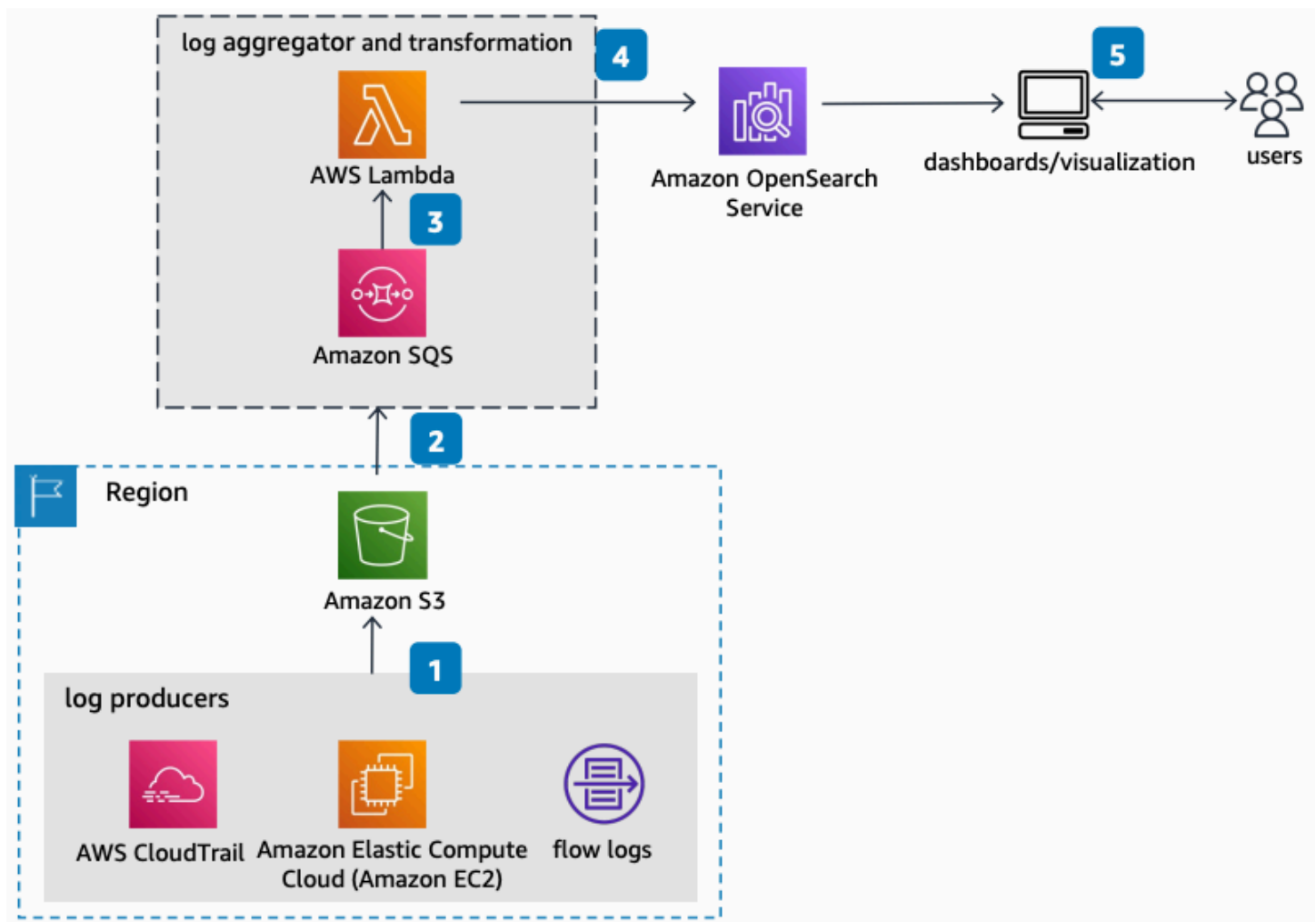
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Centralized Log Analytics

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This architecture shows how to search, analyze, and visualize machine data by using for operational insights.

Centralized Log Analytics



1. Collectors such as FluentBit, Amazon Kinesis Agent, and the [Amazon CloudWatch Agent](#) (or services such as [AWS CloudTrail](#)) collect log lines and store them in [Amazon S3](#).
2. Amazon S3 sends an object create event to [Amazon SQS](#).
3. Amazon SQS invokes an [AWS Lambda](#) function that transforms the log lines from strings to structured JSON (if necessary).

4. The Lambda function uses the OpenSearch _bulk API to deliver the JSON-formatted log lines to <https://docs.aws.amazon.com/opensearch-service/latest/developerguide/what-is.html>.
5. The user logs into OpenSearch Dashboards to perform interactive log analytics, build visualizations or notebooks, and monitor dashboards.

Further reading

For additional information, refer to

- [AWS Architecture Icons](#)
- [AWS Architecture Center](#)
- [AWS Well-Architected](#)
- [product page](#)

Diagram history

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