Observing Cloud Resources

*SRE Assessment Template*

# Categorize Responsibilities

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| **Prometheus and Grafana Screenshots** | |
| Provide a screenshot of the Prometheus node\_exporter service running on the EC2 instance. Use the following command to show that the system is running: sudo systemctl status node\_exporter | |
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| **Host Metric**  **(CPU, RAM, Disk, Network)** | **Dashboard** |
| *CPU* |  |
| *RAM* |  |
| *Disk* |  |
| *Network* |  |
| **Responsibilities** | |
| 1. The development team wants to release an emergency hotfix to production. Identify two roles of the SRE team who would be involved in this and why. | |
| *They are Release Manager and Infrastructure Engineer. Because one of the Release manager’s duties is controlling the release version and the infrastructure Engineer have to know about the both code and operation.* | |
| 2. The development team is in the early stages of planning to build a new product. Identify two roles of the SRE team that should be invited to the meeting and why. | |
| *They are Team leader and System Architect. The Team Leader contributes to architecture meetings and forms the workflow of the team. The System Architect make the recommendations and migration path for new technologies.* | |
| 3. The emergency hotfix from question 1 was applied and is causing major issues in production. Which SRE role would primarily be involved in mitigating these issues? | |
| *The primarily role would be involved in is Release Manager* | |

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# Team Formation and Workflow Identification

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| **API Monitoring and Notifications** |
| Display the status of an API endpoint: Provide a screenshot of the Grafana dashboard that will show at which point the API is unhealthy (non-200 HTTP code), and when it becomes healthy again (200 HTTP code). |
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| Create a notification channel: Provide a screenshot of the Grafana notification which shows the summary of the issue and when it occurred. |
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| Configure alert rules: Provide a screenshot of the alert rules list in Grafana. |
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# Applying the Concepts

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| **Graph 1** |
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| 4a. Given the above graph, where does it show that the API endpoint is down? Where on the graph does this show that the API is healthy again? |
| *It shows that the API endpoint is down from 15:26 to 15:36. The API healthy again at 15:36* |
| 4b. If there was no SRE team, how would this outage affect customers? |
| *I think the customers and the team will take much time to detect the root cause of the problem. That will make the application take more time to be fixed and healthy.* |
| 4c. What could be put in place so that the SRE team could know of the outage before the customer does? |
| *The answer is monitoring the metrics from the application and setting up alerts for the most important metrics* |

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| **Graph 2** |
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| 5a. Given the above graph, which instance had the increase in traffic, and approximately how many bytes did it receive (feel free to round)? |
| *[TODO: Type your answer here]* |
| 5b. Which team members on the SRE team would be interested in this graph and why? |
| *[TODO: Type your answer here]* |

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