Task 2 - Cloud Monitoring and Alerts

Objective

- To set up monitoring and alerts for a cloud-based application/resource using **Google Cloud Monitoring**.

Deliverables

- Uptime Check for a public file hosted on Google Cloud Storage (GCS)
- Alert Policy configured to trigger on Uptime Check failure
- Email notification set up and tested
- Dashboard created to visualize uptime data

Tools Used

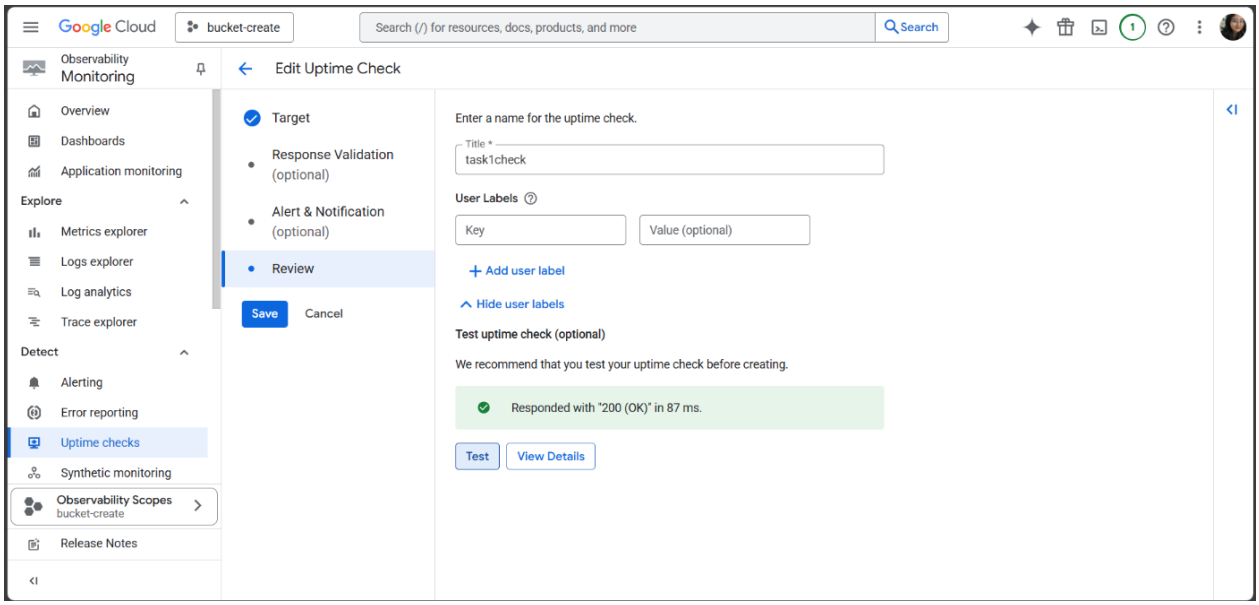
- Google Cloud Monitoring
- Google Cloud Console
- Google Cloud Storage (from Task 1)
- Gmail for receiving alerts
- GitHub for version control and documentation

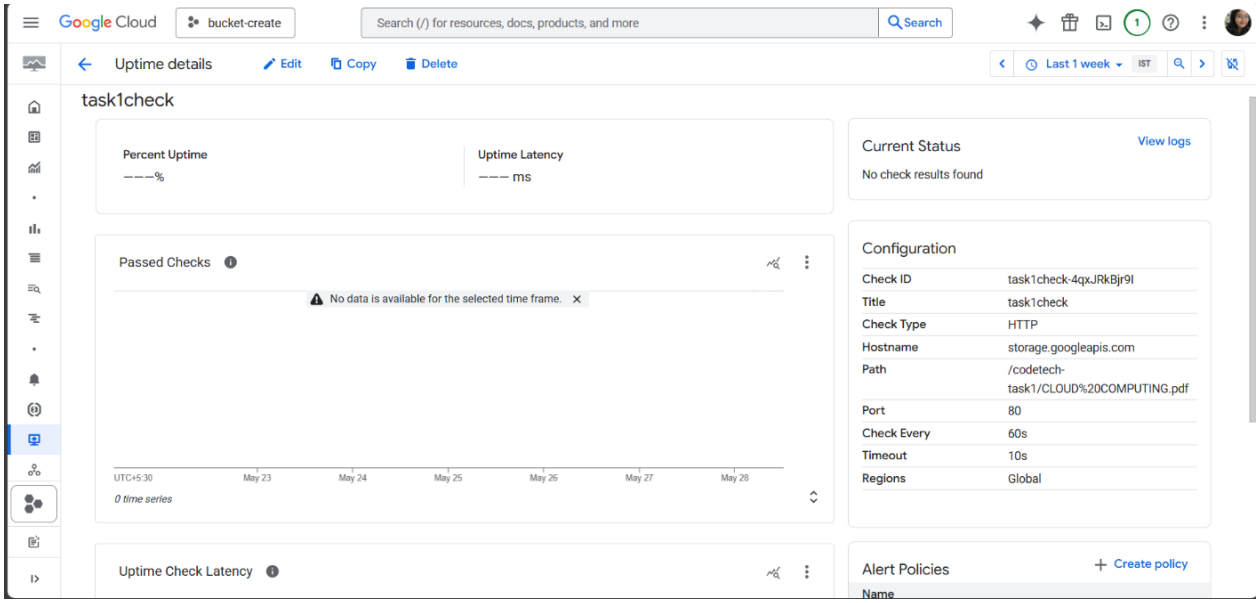
Steps Followed

1. Enabled Monitoring API
2. Created Uptime Check
3. Set Up Alert Policy
4. Dashboard Creation
5. Tested Alert

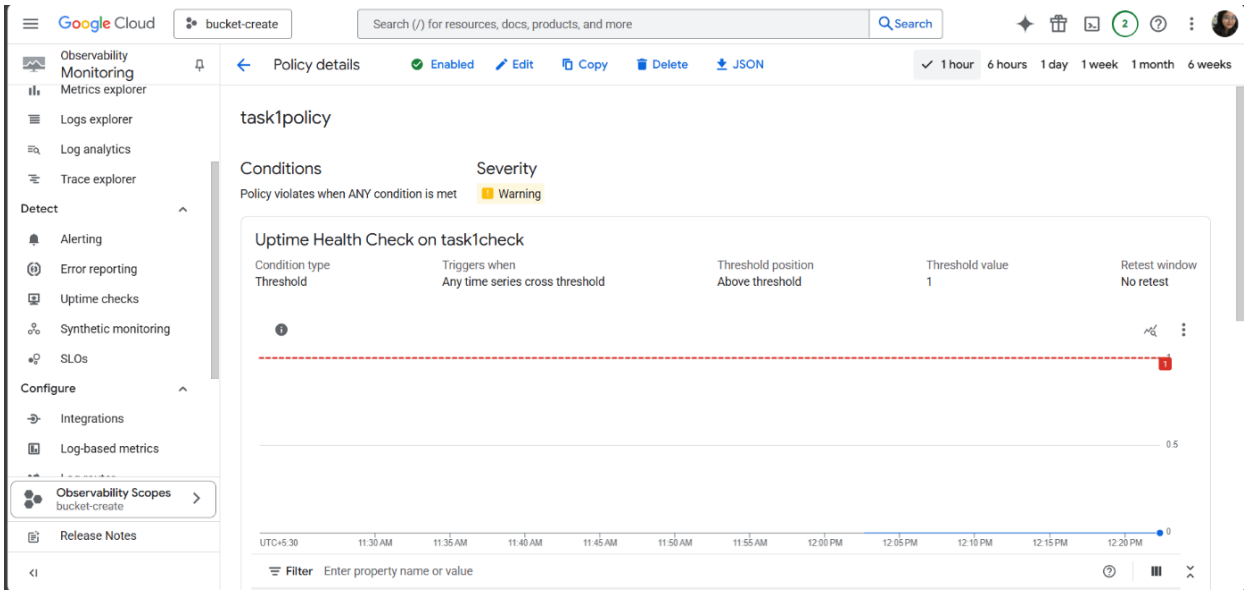
Screenshots

- Uptime Check Setup

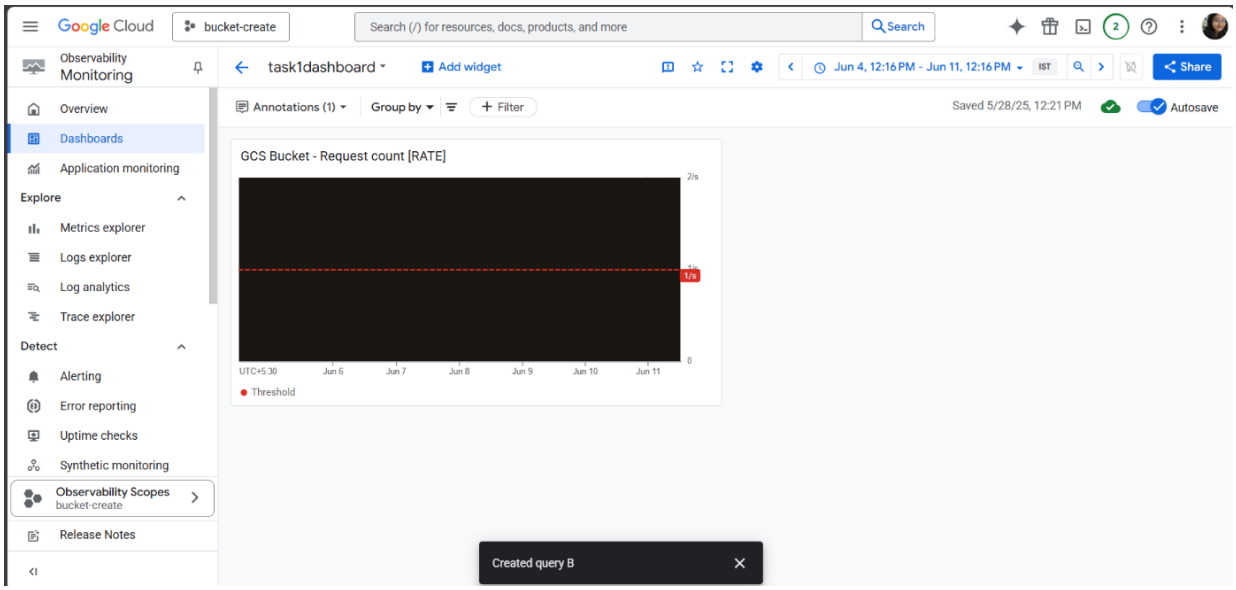




- Alert Policy Config



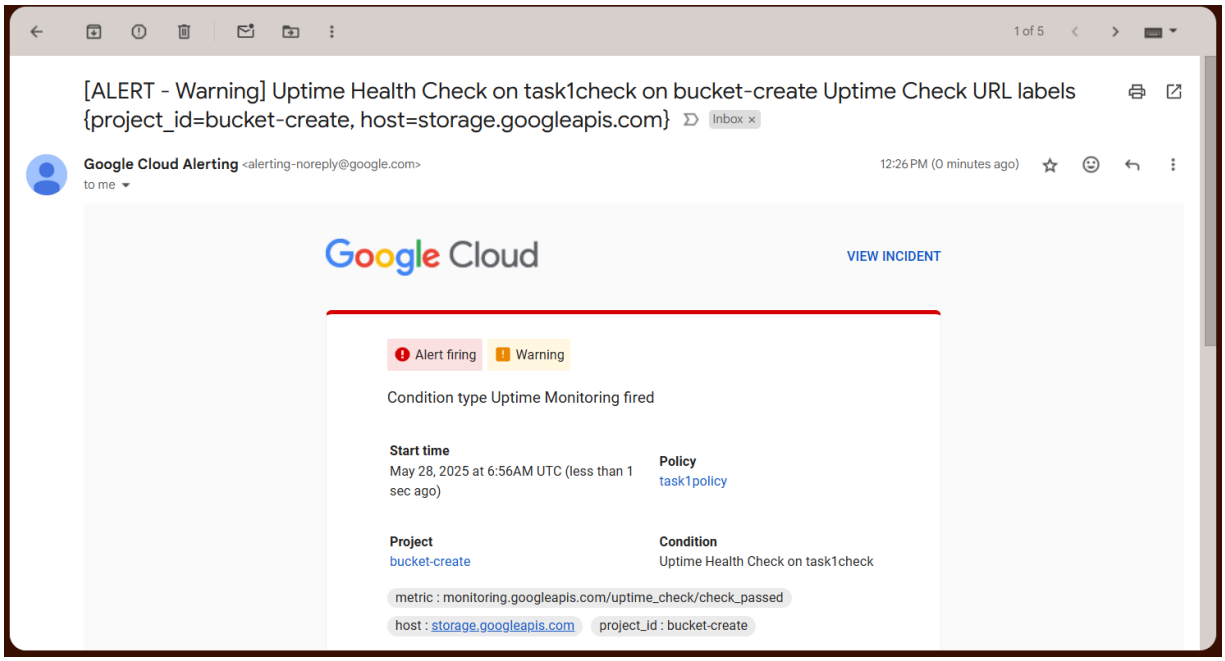
- Dashboard Setup



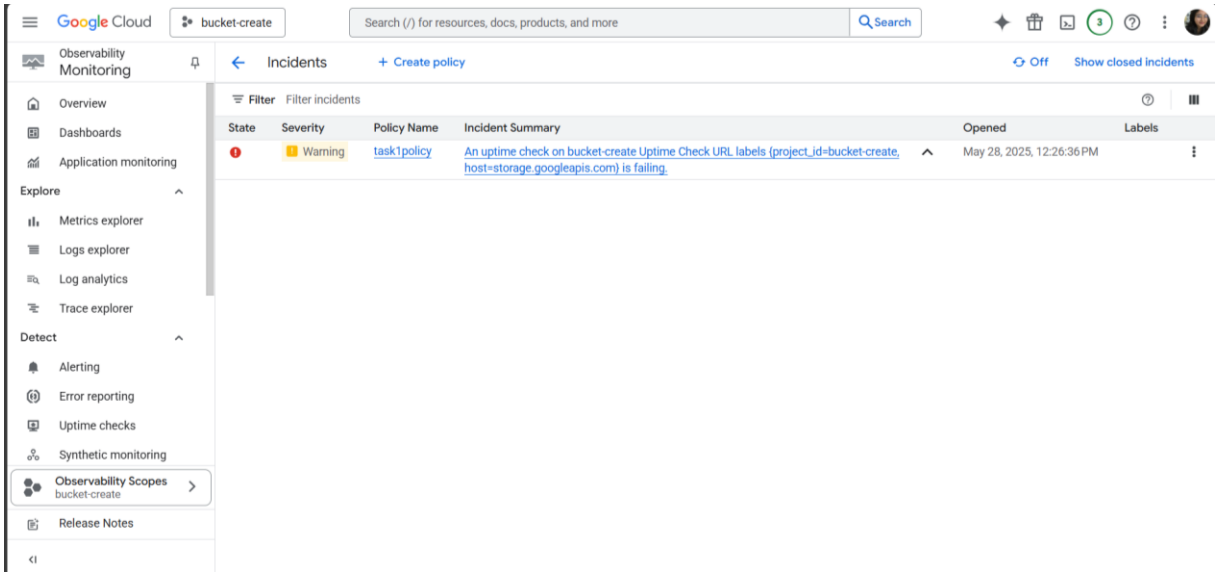
Alert Testing

Temporarily deleted *CLOUD COMPUTING.pdf* from *codetech-task1* bucket.

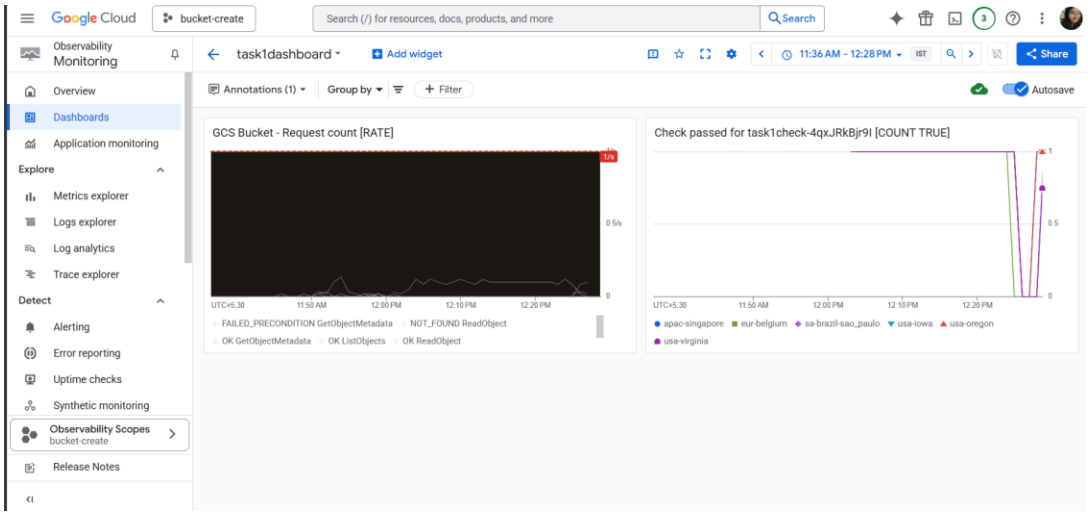
- Alert Notification Mail



- Alerting Incident



- Dashboard after alert triggered



Conclusion

The monitored GCS file *CLOUD COMPUTING.pdf* is publicly accessible in incognito mode.

Public URL's

- Uptime Details
- Alerting Policy
- Dashboard