

Cobalt Health Status Dashboard

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B · A · L
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Abstract

The BAL Cobalt Health Status Dashboard is an external facing dashboard web application that displays the results of tests that check the health status of various components of Cobalt, the service that BAL Global's clients use. The necessity for this project comes from the fact that clients currently have no way of knowing if a Cobalt feature is not working besides manually logging in and coming across the outage directly. This dashboard would allow clients to gain an overall view of the system status at a quick glance and make decisions accordingly.

Keywords: Dashboard, Status, Javascript

Architecture

- JavaScript stack
- Web app using a React frontend with Express to call the Datadog API.
- Node.js with Express backend
- Datadog used to conduct synthetic UI tests on various Cobalt services



Impact

BAL Global customers now have a simple way of checking the health of various Cobalt components at a glance. This reduces the time and potential frustrations that customers may face as well as service calls that BAL may have to answer in case of an outage.

Performance

Weekly Task Completion Rate: 95%
Company Mentor Feedback: Goals and Expectations were met accordingly.

Results

Online Health Status Dashboard:

The screenshot shows a dashboard titled 'Cobalt Health Status' with a 'B · A · L' logo. It includes a legend for 'Normal Operations' (green dot) and 'Outage' (red dot). A status bar at the top says 'Everything Operational' and 'Last updated 5/7/2021, 11:47:33 AM'. Below are four status boxes: 'SSO Login' (status: 'This is the status of SSO Login'), 'Search' (status: 'This is the status of Search'), 'Cobalt API' (status: 'This is the status of Cobalt API'), and 'IDaaS CDN' (status: 'This is the status of IDaaS CDN').

Offline Health Status Dashboard:

The screenshot shows a dashboard titled 'Cobalt Health Status' with a 'B · A · L' logo. It includes a legend for 'Normal Operations' (green dot) and 'Outage' (red dot). A status bar at the top says 'Everything Offline' and 'Last updated 5/7/2021, 11:47:35 AM'. Below are four status boxes: 'SSO Login' (status: 'This is the status of SSO Login'), 'Search' (status: 'This is the status of Search'), 'Cobalt API' (status: 'This is the status of Cobalt API'), and 'IDaaS CDN' (status: 'This is the status of IDaaS CDN').

Summary

The BAL Health Dashboard creates an easier way for customers to view the status of the Cobalt components. This project comes with immediate usability for any clients that previously found checking the status of Cobalt to be cumbersome. With this project, we were able to create a health dashboard to meet the needs of BAL Global. This would effectively solve the issues that BAL has been encountering due to their lack of such a tool to communicate the statuses of their services to their clients with.