

Analysis of Carbon Footprint for mercura.io

This report provides an assessment of the carbon footprint of the website mercura.io. Our analysis indicates that the website is hosted by linode on a server that runs on sustainable energy. Each view produces an estimated 0.77g of CO2 or 0.429L in terms of volume. The total size of the page is 3.79 MB resulting in an environmental efficiency score of 67%, which is graded as C. This is a relatively low grade, so there are some improvements that can be made.

Size Score

The size score for mercura.io is 0.33, which is below average. This indicates that the website is larger than the average website. The larger the website, the more resources are required to load it, which in turn increases the carbon footprint.

Performance Score

The website has a performance score of 0.78, which is above average. This is good, as it indicates that the website is loading quickly, which reduces the amount of time resources are being used and thus minimizes the carbon footprint.

Suggested Improvements

- Decrease the overall size of the website and use fewer resources.
- Optimize images and other resources to reduce loading time.
- Minimize the use of third-party services which increase loading time.
- Reduce the number of HTTP requests.
- Enable gzip compression to reduce the amount of data transferred.
- Enable caching for static resources.

General Website Optimization Best Practices

Website optimization is an important step in reducing the carbon footprint of a website. The most effective way to reduce a website's carbon footprint is to reduce the amount of resources required to load a website. This can be done by optimizing the images, minimizing the use of third-party services, reducing the number of HTTP requests, enabling gzip compression, and enabling caching for static resources. These optimizations can greatly reduce the amount of resources required to load a website, thus reducing the carbon footprint.