Carbon Footprint Assessment for www.glean.news

The website www.glean.news is hosted by Cloudflare, Inc., a company known for running on sustainable energy. This means that the site's impact on the environment is already minimized compared to those hosted on non-green servers.

Environmental Efficiency and Performance

Every time someone visits www.glean.news, an estimated 0.18g of CO2 is produced. In terms of volume, this equals approximately 0.102L of CO2 per visit. Despite these emissions, the site ranks impressively in environmental efficiency, outperforming 79% of web pages analyzed in our scan.

The site also demonstrates robust performance with a score of 92%. This high performance score indicates that the site is well optimized and delivers content quickly and efficiently to users.

Detailed Scores

- **Total size of the page:** 926.45 KB
- **Eco-efficiency score:** 79%
- **Performance score:** 92%
- **Overall grade:** A

Potential Impact at High Traffic Levels

If www.glean.news received approximately one million visits per year, it would produce as much CO2 as around 0.04 cars annually. As a comparison point, it would take about 162,990 pageviews to produce CO2 equal to the weight of an average Labrador dog.

On a monthly basis, if the site had around 10,000 visits, it would require about 0.88 trees per year to offset the CO2 production.

Recommendations for Improvement

Despite its already impressive scores and commitment to green hosting, there is always room for improvement. Optimizing images and scripts, reducing the number of server requests, and utilizing caching techniques could all help to reduce the size of the webpage. This would further decrease energy consumption and carbon footprint.

Website Optimization Best Practices

A key principle in website optimization is minimizing data usage. The less data a website needs to transfer to display content, the faster it loads and the less energy it consumes. This includes optimizing media files like images and videos to be as small as possible without compromising quality.

Another important aspect is efficient coding. Cleaner code that avoids unnecessary repetitions can make a significant difference in load times.