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CrUX POC Results

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# CrUX

**Purpose**: CrUX is a public dataset and online dashboard that provides real-world performance data collected from millions of Chrome users. It offers insights into various web performance metrics, including loading time, interactivity, and visual stability.

**Usage**: Developers and website owners can utilize CrUX to understand how their websites perform in the real world. It helps identify performance bottlenecks and prioritize optimizations based on actual user experiences.

# Different to LightHouse

**CrUX** focuses on aggregating **data from real user’s experiences** to provide a comprehensive view of web performance across different devices, network conditions.

While,

**Lighthouse** is a tool that developers can **run locally to evaluate specific web pages** and generate detailed reports with actionable insights and recommendations. It provides a comprehensive analysis of various performance metrics and best practices.

**Usage Steps**

1. Collecting Data:
   * Ensure that your website has real user data being **sent** to CrUX. This typically requires implementing the CrUX JavaScript snippet on your web pages, implementation details available in the CrUX documentation.
2. Accessing CrUX Data:
   * Visit the CrUX website (<https://developers.google.com/web/tools/chrome-user-experience-report>) and navigate to the "CrUX Dashboard" section.
   * Click on the "Open Dashboard" button to access the CrUX online dashboard.
3. Selecting Metrics:
   * In the CrUX dashboard, you can explore different web performance metrics such as First Contentful Paint (FCP), Largest Contentful Paint (LCP), and Cumulative Layout Shift (CLS). These metrics provide insights into various aspects of user experience.
   * Choose the metrics that are relevant to your analysis and click on them to view more detailed information.
4. Filtering Data:
   * CrUX allows you to filter data based on dimensions such as country, device type, connection type, and more. Use the filtering options available in the dashboard to narrow down the data to specific segments that you want to analyze.
5. Analyzing Performance:
   * Analyze the performance data displayed in the CrUX dashboard. You can view trends over time, compare different metrics, and identify areas where your website may be underperforming.
   * Look for patterns and correlations in the data to gain insights into how your website performs across various dimensions.
6. Optimization and Prioritization:
   * Use the CrUX data to prioritize optimization efforts. Identify areas where your website's performance can be improved and focus on those aspects that have the most significant impact on user experience.
   * Utilize the actionable insights from CrUX to make informed decisions about optimizations, such as reducing page load times, improving interactivity, or minimizing layout shifts.

**Inference**

To use CrUX for any available website, first we need data to be sent to CrUX, then over some time with users using the website, it will have real user data available for check and optimization.

Which is happening for [**https://www.verizon.com/**](https://www.verizon.com/)as Origin

The eligibility for CrUX usage is, it must be

Publicly Discoverable

Sufficiently Popular

Data can be collected using CrUX, as this is having real data