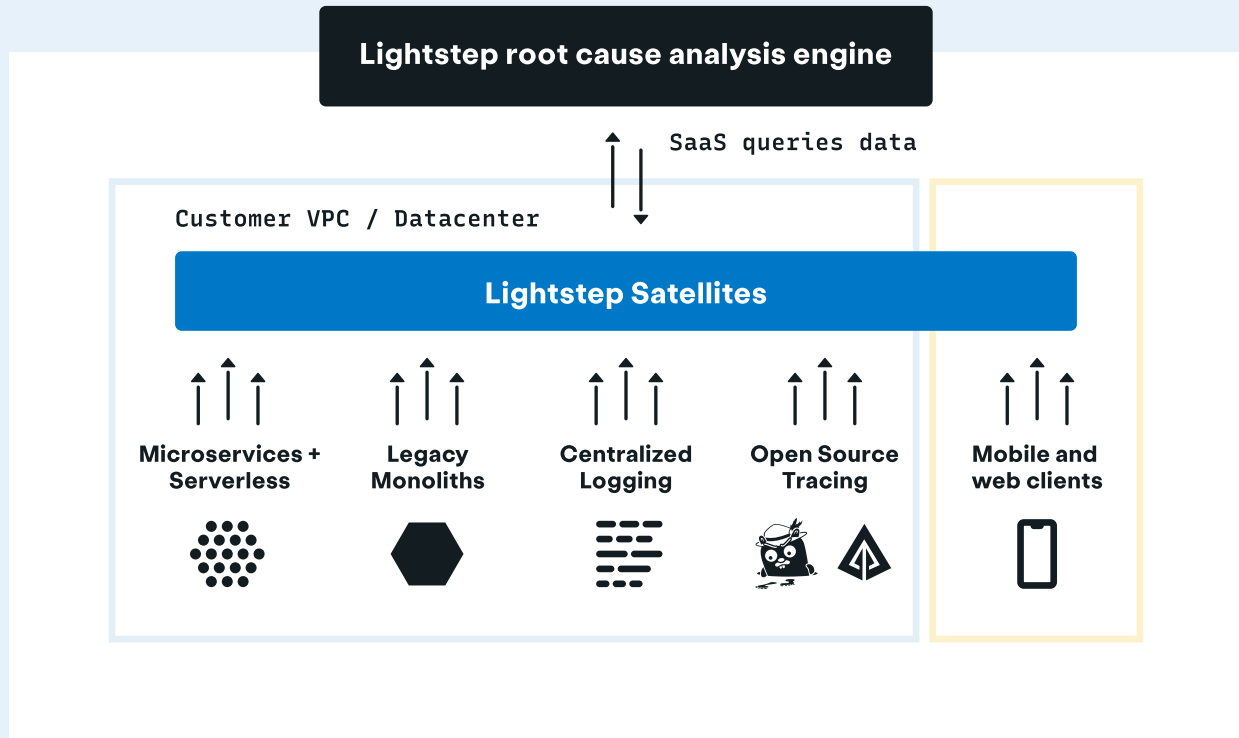


# Analyze 100% of your transactions, no upfront sampling



## How it works

Lightstep analyzes 100% of unsampled telemetry to produce high-fidelity analyses of your system. It leverages a custom-built, high-throughput data processing pipeline to generate a global model of system performance and behavior. Lightstep then scans all of your telemetry and uses this model to find outliers as well as other evidence that helps explain performance anomalies.

A core component of this pipeline are the **Lightstep Satellites**.

Satellites collect unsampled performance and diagnostic data from every service, client, and server that make up a complete system. They can be hosted in the cloud or (for larger customers) on-prem and can be easily deployed across geographies in data centers or public cloud regions in any environment that supports Docker images, AMLs, or Debian packages, including Kubernetes. Satellites scale horizontally and have no storage requirements. All communication between Satellites and other Lightstep components is encrypted and authenticated.

Behind the Satellites is a set of components that coordinates data collection globally and weaves related telemetry together into coherent stories about the application – even if the data was produced asynchronously or across service boundaries. Lightstep's managed service includes durable and secure storage of metrics and trace data as well as a UI and APIs that provide data visualization, notifications, and integrations with other important tools in your work.