Node.js (https://cloud.google.com/nodejs/) Guides

Stackdriver for Node.js

Overview

Stackdriver (https://cloud.google.com/stackdriver) provides powerful monitoring, logging, and diagnostics for Node.js applications.

Node.js libraries are available for the following Stackdriver services:

- Debugger (#debugger)
- Error Reporting (#error_reporting)
- Logging (#logging)
- Monitoring (#monitoring)
- Trace (#trace)

Debugger

Stackdriver Debugger (https://cloud.google.com/debugger/docs) is a feature of Google Cloud Platform that lets you inspect the state of a Node.js application, at any code location, without stopping or slowing down the running app. To get started with Stackdriver Debugger, see Setting Up Stackdriver Debugger for Node.js applications (https://cloud.google.com/debugger/docs/setup/nodejs).

Error Reporting

Stackdriver Error Reporting (https://cloud.google.com/error-reporting/docs) for Node.js aggregates and displays errors produced in your running Node.js applications. To get started with Stackdriver Error Reporting, see Setting Up Stackdriver Error Reporting for Node.js applications (https://cloud.google.com/error-reporting/docs/setup/nodejs).

Logging

Stackdriver Logging (https://cloud.google.com/logging/docs) for Node.js allows you to store, search, analyze, monitor, and alert on log data and events in Node.js applications. We provide Bunyan and Winston plugins, as well as a Stackdriver Logging API client library. To get started with Stackdriver Logging, see Setting Up Stackdriver Logging for Node.js applications (https://cloud.google.com/logging/docs/setup/nodejs).

Monitoring

Stackdriver Monitoring (https://cloud.google.com/monitoring/docs) for Node.js collects metrics, events, and metadata from Node.js applications. Stackdriver ingests that data and generates insights via dashboards, charts, and alerts.

Links:

- Cloud Client Libraries for the Stackdriver Monitoring API (https://cloud.google.com/monitoring/docs/reference/libraries)
- Creating Custom Metrics (https://cloud.google.com/monitoring/custom-metrics/creating-metrics)
- Reading Metrics (https://cloud.google.com/monitoring/custom-metrics/reading-metrics)
- Browsing Metrics (https://cloud.google.com/monitoring/custom-metrics/browsing-metrics)
- Stackdriver Monitoring for Node.js on GitHub (https://github.com/googleapis/nodejs-monitoring)

Trace

Stackdriver Trace (https://cloud.google.com/trace/docs) is a distributed tracing system for Google Cloud Platform that collects latency data from Node.js applications and displays it in near real

time in the Google Cloud Console. To get started with Stackdriver Trace, see Setting Up Stackdriver Trace for Node.js applications (https://cloud.google.com/trace/docs/setup/nodejs).

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