

# GOOGLE STACKDRIVER FEATURES

Monitoring, logging, and diagnostics for applications on Cloud Platform and AWS

## Debugger

[Stackdriver Debugger](#) connects your application's production data to your source code by inspecting the state of your application at any code location in production without stopping or slowing down your requests.

## Error reporting

[Stackdriver Error Reporting](#) analyzes and aggregates the errors in your cloud applications. Notifies you when new errors are detected.

## Rapid discovery

Discovers cloud resources and application services automatically based on deep integration with Cloud Platform and Amazon Web Services. Discovers and maintains relationships between key application components and identifies functional groups and clusters.

## Uptime monitoring

[Stackdriver Monitoring](#) provides endpoint checks to web applications and other internet-accessible services running on your cloud environment. You can configure uptime checks associated with URLs, groups, or resources, such as instances and load balancers.

## Integrations

Our growing Google [Stackdriver partner](#) ecosystem and tools to make working with Stackdriver even easier.

## Smart defaults

Thanks to Stackdriver's smart defaults, you can get up-and-running with core visibility into your cloud platform in less than two minutes. As you deploy our open source agents, additional metrics and logs are automatically incorporated

## Alerts

Allows you to create alerting policies to notify you when metrics, health check results, and uptime check results meet specified criteria. Integrated with a wide variety of notification channels, including Slack, Campfire, HipChat, and PagerDuty.

## Tracing

[Stackdriver Trace](#) provides latency sampling and reporting for Google App Engine, including per-URL statistics and latency distributions.

## Logging

[Stackdriver Logging](#) provides you with the ability to filter, search, and view logs from your cloud and open source application services. Allows you to define metrics based on log contents that are incorporated into dashboards and alerts. Enables you to export logs to BigQuery, Google Cloud Storage, and Pub/Sub.

## Dashboards

Provides you with default dashboards for cloud and open source application services. Allows you define custom dashboards with powerful visualization tools to suit your needs.

## Profiling

[Stackdriver Profiler](#) provides continuous profiling of resource consumption in your production applications, helping you identify and eliminate potential performance issues.