

Heartbeat Cloud Foundry Monitoring Tool



Comprehensive Cloud Foundry Monitoring

Heartbeat is a full-stack monitoring tool built specifically for Cloud Foundry. Combining data visualization, alerting and metrics logging capabilities, it provides everything you need to measure the state of your Cloud Foundry deployment, from VMs to applications.

Metrics

A single tool to manage all system and application metrics on Cloud Foundry. There is no additional configuration required—start monitoring with Heartbeat right away, and store metrics for however long you need them.

Dashboards

Set out with predefined, easily configurable data visualization panels, and carry on creating your own dashboards for general overviews or close-ups to get all metrics you care about most in one place.

Alerts

Set up alerts for each dashboard panel and get only valid notifications to immediately act upon. Configure the frequency of evaluating alert rules, define thresholds, and set conditions that trigger Slack, email, or webhook notifications.

Levels of Monitoring

Applications

Application-level metrics help developers investigate issues with applications running on Cloud Foundry. Standard (CPU, memory, or disk usage), arbitrary (gauges, counters, timings, sets), and HTTP-specific (requests per second, status codes, error rates, and more) metrics are gathered.

Third-party services

Monitor the third-party services your applications rely on, such as databases, message queues, or caches, with metrics coming from service instances. For the services that are not supported out of the box, custom solutions can be added.

Cloud Foundry components

The solution collects metrics emitted by all Cloud Foundry components, as well as the metrics coming from other components used by your Cloud Foundry deployment (e.g., Postgres, Nginx, etcd), enabling detailed overview of each.

IaaS-level monitoring

View the full set of metrics from the BOSH Director and the virtual machines created and deployed by it (CPU, memory usage, IO, network, VM states, and more), regardless of the underlying infrastructure (AWS, OpenStack, vSphere, GCE).

Supported Services



Heartbeat Cloud Foundry Monitoring Tool



Supported IaaS Providers



Supported PaaS Distributions



Contact Us

Getting started is easy.
Sign up for a demo at
<http://altoros.com/heartbeat/>
or contact Igor Aksinin
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Additional Features

Single Sign-On. The solution uses Cloud Foundry's User Account and Authentication (UAA) service to control access to apps and resources based on user roles and rights within the platform.

Multitenancy. Multitenancy is implemented according to Cloud Foundry UAA roles. Dedicated shares of the solution are deployed to different spaces to collect metrics from the apps and services running within.

Logsearch. Built-in integration with the ELK log analysis stack enables developers and operators to trace detected deviations and anomalies back to their origin right from the monitoring dashboard.

BOSH Provisioning. Similarly to Cloud Foundry, all solution components are deployed and managed with BOSH. Also, a set of BOSH manifest snippets are available as predefined configurations.

Why Altoros

Contributor-level, full-stack PaaS expertise

A Cloud Foundry pioneer, Altoros was among the first companies to join the Cloud Foundry Foundation. Our team has been contributing to the Cloud Foundry ecosystem since its early days.

Multifaceted expertise in cloud technologies

Altoros has provided core engineering and benchmarking services for Cassandra, MongoDB, Redis, CouchDB, Couchbase, NuoDB, Hadoop, and others. Our engineers have first-hand experience with a wide range of popular Big Data, cloud, and DevOps tools (IaaS, PaaS, containerization, cloud orchestration and automation, CI/CD, etc.)

Customers



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