

# HBase Metrics

## Table of contents

1 Introduction .....	2
2 HOWTO.....	2

## 1. Introduction

HBase emits Hadoop [metrics](#).

## 2. HOWTO

First read up on Hadoop [metrics](#). If you are using ganglia, the [GangliaMetrics](#) wiki page is useful read.

To have HBase emit metrics, edit `$HBASE_HOME/conf/hadoop-metrics.properties` and enable metric 'contexts' per plugin. As of this writing, hadoop supports **file** and **ganglia** plugins. Yes, the hbase metrics files is named `hadoop-metrics` rather than *hbase-metrics* because currently at least the hadoop metrics system has the `properties` filename hardcoded. Per metrics *context*, comment out the `NullContext` and enable one or more plugins instead.

If you enable the *hbase* context, on regionservers you'll see total requests since last metric emission, count of regions and storefiles as well as a count of memstore size. On the master, you'll see a count of the cluster's requests.

Enabling the *rpc* context is good if you are interested in seeing metrics on each hbase rpc method invocation (counts and time taken).

The *jvm* context is useful for long-term stats on running hbase jvms -- memory used, thread counts, etc. As of this writing, if more than one jvm is running emitting metrics, at least in ganglia, the stats are aggregated rather than reported per instance.