

## **HBase Monitoring**

### **How do I enable JMX in HBase**

Please see HBase Metrics page for instructions.

### **Do I need to add a separate SPM Application for each HBase server/node I want to monitor**

No, one Application is enough. Think of an SPM “Application” as a “HBase Cluster”. Thus, to monitor N HBase servers that belong to the same cluster you would create just a single SPM Application and use its Token in SPM configuration file on all HBase servers that are a part of this cluster.

### **Why don't some HBase metrics graphs have any data**

There could be 2 possible reasons:

1. Some metrics are for RegionServers (HBase slaves), some for HBase Master. Thus, if you select the Master node in the UI, graphs that contain Slave-specific metrics will be blank and vice-versa.
2. Different versions of HBase provide different metrics. Thus, if you have an older version of HBase, it may not be providing all metrics that SPM collects and graphs.

### **Which versions of HBase does SPM support**

SPM has been tested with HBase 0.90, 0.92, 0.94, and 0.98, but will work for newer versions, including all CDH versions.