SQL Monitor

Introduction

The purpose of this monitor is to use arbitrary queries against a SQL database as metrics for AppDynamics. The connection to the database is via JDBC. One instance of the SQLMonitor will connect to one JDBC Datasource, if multiple Datasources are required run multiple instances of SQLMonitor.

Installation

Unzip the SQL Monitor file under the *monitors* directory of the Machine Agent installation. You will need to provide your own JDBC driver for the database you want to connect to. Put the driver JAR file in the same directory and add it to the *classpath* element in the *monitor.xml* file.

Edit task.properties to add the connection details and the queries you want to run.

- driver - The class name of the JDBC driver to use e.g. com.mysql.jdbc.Driver
- url - The connection URL for the driver e.g. jdbc:mysql://localhost:3306/demo
- user - The user name to connect as
- password - The password for the user
- statement.*n* - The queries to run where *n* starts at 1.

Metric Queries

Only queries that start with SELECT are allowed.

The queries to get the metric values from the database should only return one row and one column, additional rows and columns will be ignored. The name of the metric will be the first column name return by the query.

E.G.

> select value as count from statistics where uuid = 472

Metric roll up settings may optionally be appended to the query after a double hyphen.

E.G.

> select foo from bar where uuid = 24 — METRIC_AGGREGATION_TYPE_SUM

Multiple roll up settings may be added separated by whitespace.