Abstract

In this paper, elastic, multiple sources monitoring framework architecture which can be rapidly provisioned with respect to the monitoring requirements is being proposed. The need of system performance monitoring is of prime concern along with a tool to monitor user related performance i.e. in case of a product firm; they might need to monitor the sales regularly to predict some future trends. The system metrics combined with logs need to be plotted side by side to extract the similarity between them to predict efficiency of system resource usage. Moreover, each user might be using a different database as data source. Bearing this multi-faceted heterogeneity in mind, framework architecture for multiple-source, multipurpose monitoring is being proposed which can give the user a fully satisfying monitoring experience. A new concept of "MVC as an algorithm" can be an accurate measure for an
efficient cloud based monitoring service (SAAS) and can also be incorporated with the framework architecture.

References

- Kibana3 Dashboard http://logstash.openstack.org/
- Graphing Libraries on Gists Lists https://gist.github.com/eabait/9916975
- Representational State Transfer http://rest.elkstein.org/
- Time Series Databases https://code.google.com/p/kairosdb/
- NoSql Databases http://nosql-database.org/

Index Terms

Computer Science
System Design

Keywords

Software as a Service (SAAS)  Graphing-mechanism  JavaScript Object Notation (JSON)  Monitoring  Parsing

Time-series database

Web services