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Overview on Big Data and Cloud Computing

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ABSTRACT:

Before entering into a brief explanation about big data and cloud computing. We need to know about the what is big data and cloud computing.

Big data:

It refers to the large set of data that produce many outputs by the various program. It can be referred from the large variety of data; the data are too large to query on a regular computer. Cloud computing: cloud computing refers to the processing of doing anything on the cloud. It includes Big Data Analytics also. Here cloud is defined as a set of high power from one server to many providers. It can query the data quickly rather than the standard computer cloud. In simple words, Big Data is the collection of a large set of data, while Cloud Computing is the getting the data and performing operations on the data. Let's get into the interesting topic called Billing Dashboard: Cloud Kitty

Existing System:

Billing Dashboard: Cloud Kitty

Bringing many cloud users down to the Earth is the main property of the BILLING. It is often being top for many OpenStack programmers.
This is the second type of thread started on the developer's mailing list about current options and best practices.
Now we have to know what is cloud kitty?
Cloud Kitty is the RATING-AS-A-SERVICES project for open stack developers.
Cloud kitty can able to metric-based rating: endpoint retrieves the message or measure, metadata gives specific measure rating to collect the data, and these data are push to store in the backend.
Every metric is collected, stored, and process the data through different rating modules. Cloud kitty, the main aim is to fill the gap between the metric collection and billing system.
We can store the cloud kitty's data to retrieve the process data and that can easily generate the proper report.
Cloudkitty's parts are modular so we can easily extend the base code to the address of the data.
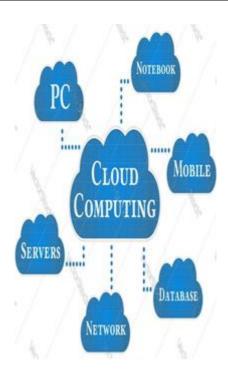
Proposed System:
Using Cloudkitty – Billing Dashboard for Openstack:

Resource Usage:

When it comes to billing, we have to say that OpenStack's metering services, although the early in the measurement services have gone some "detour", but now ceilometer, gnocchi, Aodh, Panko project steady progress is a turn. The Ceilometer is responsible for
collecting the dimension of data and processing pretreatment; Gnocchi is substantially used to store time series metering data and give resource indicator, Panko substantially provides event storehouse service, Aodh substantially provides early warning and dimension announcement Service. Ceilometer is divided into four, their separate liabilities, so the data source of the billing service has a guarantee.

Advantage Of The Proposed System:

- Reduce the storage cost to the cloud
- It also helps the reduce the maintenance
- It tries to avoid the local storage of data
- It reduces the chance of losing data from the hardware.
- Cloud kitty is the core functional component to module the data, store the data and collect the data.
- Cloudkitty dashboard provided a simple operation setting interface
- It also provides the users to code with python.
- It provides a command-line interactive interface for developers.

METHODOLOGY USED:

Cloud kitty can be divided to four different parts:
- Data retrieval(API)
- Data collection(cloudify-processor)
- Data rating
- Data storage

Types Of Cloud Kitty:

There 4 types of cloud kitty as follows;
- Collectors
- Racking pipeline
- Storage
- Writer used to store the report.

Testing strategy:

- Horizon
- API
- Python Binding
- Python client (in program)

Conclusion

The big data and cloud computing has truly changed the way associations reuse their data and apply it in their business .These technologies have impacted businesses in a good way because every decision made through analysis of big data leads to the success of a business .

The future is bright as we can see further growth for pall computing and big data analytics. With data adding on a diurnal base ,big DataSystems and in particular ,logical tools ,have come a major force of invention that provides a way to store ,process and get information over petabyte datasets. Pall surroundings explosively influence big data results by furnishing fault -tolerant,scalable .No mistrustfulness ,Big data and Pall computing is a perfect combination to enhance enterprise capabilities. Though many challenges live there like data storehouse capabilities, still these are negligible before the offered salutary issues. So we can conclude that big data and Cloud computing is the perfect combination.

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List all the material used from various sources for making this project proposal

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