

Improving Performance and Reliability Using New Load Balancing Strategy with Large Public Cloud

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ABSTRACT:

Design the cloud architecture using advanced load balancing strategy then possible to improve the performance and reliability solutions. Advanced load balancing strategies provide the more advantages to cloud users. These advanced load balancing strategies use in client and server architecture. Different users are submitting the different jobs and expect the response within the less amount of time. Some numbers of users are receiving the response within the deadline. Some Jobs are not executed successfully. Now in this paper we design the new load balancing strategy with large public cloud. Large public cloud design contains global virtual extend network. Global virtual extend network gives the optimal solution for any kind of traffic.

KEYWORDS: large public cloud, cloud architecture, loads balancing strategy, client and server architecture.

I.INTRODUCTION

Cloud computing changes the IT infrastructure and gives the better advantages for different people. It does provide the service for any kind of users to access the services in any location over the internet. Cloud computing provide the good computing services which is users expect effectively.

Different clouds are available to provide the services. Those clouds are private, public and hybrid cloud. These clouds provide the services to less number of customers. Cloud data storage design with virtualization features. It can provide the services to more number of customers. Previous cloud architecture can solve the less number of jobs because of less capacity cloud partitions. To overcome those problems design the new cloud infrastructure or architecture with new load balancing strategy with large public cloud. This new load balancing strategy can solve any large number of jobs easily. All users

get the optimal solution effectively with less amount of resources utilization. New cloud infrastructure gives the better solution compare to previous architecture.

II.RELATED WORK

In cloud environment many number of strategies, techniques have been designed for balancing. Load balancing cloud is still having a many new problems.

First we design the server template using different features content. Those features are improved performance and tuning configuration setting. Server template works as a traffic manager. Traffic manager is capable to handle many number of advanced and load balancing problems. Here there is no possibility to extend the features for handling the large scale number of tasks. Here we observe another problem in system utilization resources.

To overcome about server template problems we design cache server template. This cache server template gives the faster load balancing solution compare to previous template. Its schedule the jobs runtime but here number of steps are more to gives the faster solution. We observe the large improvement compare to above approach in balancing procedure. It gives the most

beneficial solution compare to previous approaches.

The above approaches traffic manager are use the single service provider. Single service provider can handle large amount of load to control the traffic in some situations. Now new load balancer design by the Amazon. Load balancer name is multiple Amazon web service elastic load balancer. This balancer gives the good availability and high reliability compares to previous all templates.

Different algorithms are design to handle the traffic. Those algorithms are static and dynamic. Static algorithms divide the traffic equally allocate to servers. Allocate the traffic in between servers using round robin algorithm. Some servers have less capacity and allocation of tasks capacity is more then we get the load balancing problems.

Again new dynamic load balancing algorithms are available for load balancing. We search servers in whole network. Choose the appropriate servers provide the efficient load balancing solution. Imbalanced traffic also possible to converts as a balanced traffic environment. The above all procedures are improve the infrastructure availability for load balancing

solution. After creation many number of load balancing infrastructures also we got the new issues in our implementation process.

III.PROBLEM STATEMENT

Now in this paper we provide the cloud services using the large public cloud. Large public cloud manages the cloud partitioning concept. Large public cloud has many numbers of nodes those are assigned into different geographical locations. Those nodes are generating based on cloud partitioning procedure only.

Now here we design the new load balancing strategy with cloud partitioning. When jobs are received, main controller starts the handling of jobs. Main controller chooses the suitable cloud partition and then allocates jobs. In case local cloud partition is not mail then we forward the jobs to VM switch. VM switch forward to global network cloud partition. This enlarged procedure gives the enhanced results. This type of load balanced strategy gives the more reliable and efficient solution.

IV.SYSTEM MODEL

Proposed load balancing system model design dynamic scheduling concepts for cloud partitioning. Proposed system

model contains load balancing approach, cloud partitioning, different categories of virtualization. This model provides the increased VM mobility and resources. Model increases the performance with the help of new features of content information.

Workload move from one network to another network dynamically in cloud partitioning nodes. This process continues until to get the load balancing solution. This kind of procedure we call as a VM maximum flexibility or enlarge the network features.

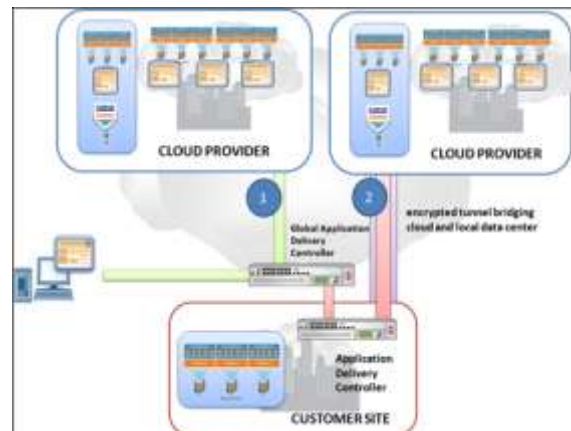


Fig1: proposed architecture

V.LOAD BALANCING STRATEGY

Using specialized virtualization technology designs the efficient load balancing strategy. This load balancing strategy improves the performance and reliability by using internal cloud partitioning nodes communication. It can

contain efficient management services implementation process. Any load of traffic we provide the optimal solution with of new management virtualization technology.

We follow the different steps to get the optimized work flow of process. Those steps of information described below

1. First receive the traffic flow in physical server
2. Load balancing solution is not generating based on physical server, and then we distribute the load to other networks.
3. We got the load balancing solution with efficient intelligent framework.
4. Intelligent framework design with different layers.
5. One layer is not gives the load balancing solution sends to other layer process.

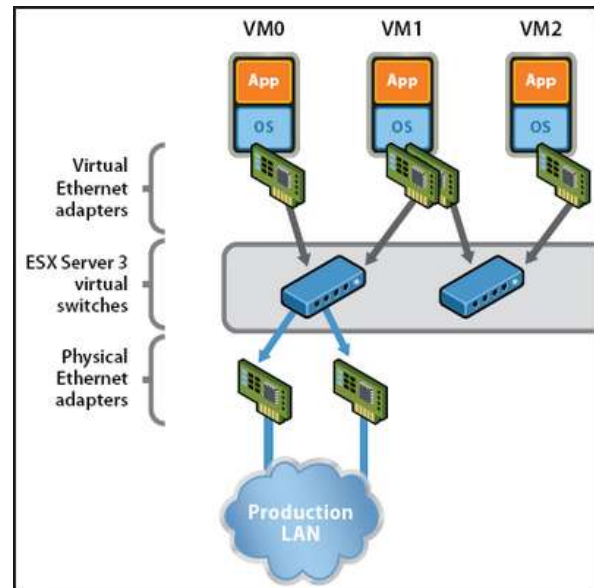


Fig2: load balancing strategy framework

VI.CONCLUSION AND FUTURE WORK

Dynamic scheduling strategies give the efficient load balancing with high resources utilization. New load balancing strategies gives the enhanced quality services. Using efficient load balancing strategy we provide the solution with in the less amount of time. All users get the qos services. Its gives high management services solutions for any kind of load traffic.

In future we design new enhanced distributed intelligent framework. It improves the performance and scalability solutions.

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