

Abstract

Nowdays, each company especially the multinational company put the internet as a must. Almost of these companies uses internet services from two link internet. For the configuration one of link as primery and the other one set as backup for the down connection.the other benefit of using it is gve an option for the user to choose one of the two available connection.

The problem that may appear from this case is cost and time efficiency. Cost efficiency have a correlation with the extra money that the company must spent to pay ou for the backup link internet. And the timeefficiency have a correlation with setting up from beginning for each each computer from each user manually if the conection down. Beside that in need to upgrade the internet service banwidth the company must do it for the both of the primery and the back up internet link. If the company just upgrade the primery one and the down conection problem happens, the user's will be unsatisfied with the back up because it can not handle the conection from all of the user's as good as the primary one.

To solve al of the problem , the company need to use ink load balancer which can make the two of link internet can work as a single link internet. In the other world, the network have more thn one acces link. Load balancer have capability to building the two different link look like a single link in user's side. The failover also need to use in automatically migration process from the active down internet link to the backup link

Key word : Load Balancer, Failover