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Perancangan dan Implementasi *WebServer Clustering* dengan Skema *Load Balance* Menggunakan Linux *Virtual Server* Via NAT

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Abstract

Clusters of servers, connected by a fast network, are emerging as a viable architecture for building highly scalable and highly available services. This type of loosely coupled architecture is more scalable, more cost-effective and more reliable than a tightly coupled multiprocessor system. However, a number of challenges must be addressed to make a cluster of servers function effectively for scalable network services. Linux Virtual Server is a solution to the requirements. Linux Virtual Server is a software tool that directs network connections to multiple servers that share their workload, which can be used to build highly scalable and highly available services.

Key words: Linux Virtual Server, load balancing, cluster