

Learn about Load Balancing technology for servers and install a test setup.

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Abstract: This topic aims to analyze the current context of Load Balancing usage in server systems, identifying the necessary technical requirements to optimize system performance and serviceability. The main objective is to build an experimental Load Balancer system based on the principle of fair load distribution among multiple servers. The research methodology includes synthesizing scientific literature, analyzing practical scenarios, and implementing test cases to evaluate the effectiveness of the proposed solution. Through this, the topic provides useful information for network administrators as well as knowledge about Load Balancing techniques applied in practice.

Keywords: Load Balancing, server, test setup, system optimization, load distribution