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A Review on Fast Convergence Scheme in OSPF Network

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Abstract: *In Open Shortest Path First (OSPF) networks, this research suggests a fast-convergence strategy to update metrics without looping. In OSPF networks, packets may occasionally be routed in a loop while metrics are being updated to enhance routing performance. As a result, network resources are inefficient and packets are lost. A traditional strategy gives each router precedence to update measurements in order to prevent transitory loops. When the updated metrics differ from the ones before to the update in terms of both larger and smaller values, it requires two updating methods, each of which contains either bigger or smaller values. Convergence to update all the metrics in the typical method takes time. This paper covers an introduction, benefits, drawbacks, and applications. It also compares OSPF with RIP and discusses its areas, routers, network kinds, and convergence technique.*

Keywords: Open Shortest Path First

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