ABSTRACT

A configuration comprises a destination address extracting/rewriting device 4 for extracting a destination address of a packet; a common-route packet extracting device 8 for extracting two or more packets having a common route at least in part of routes to their respective terminals from a plurality of packets, based on their extracted destination addresses; an aggregate packet creating device 9 for aggregating the plurality of packets having the common route at least in part of the routes to create an aggregate packet including information of each of the packets; a destination address giving device 10 for giving the aggregate packet a destination address so that the destination address of the aggregate packet is an address of an adjacent node on the common route; and an aggregate packet routing device 11 for routing the aggregate packet, based on the destination address.

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