

ABSTRACT

A relay server 3 stores a routing apparatus belonging to a VPN group to which the relay server 3 itself belongs, a second routing object address that is an address of the routing apparatus, and the like. The relay server 3 stores the relationship of assignment of a virtual address to the second routing object address. The virtual address is an address that does not overlap with addresses of any other apparatuses. The relay server 3 performs a control for, upon reception of a packet from a routing session, converting a source of the packet from an actual address into the virtual address, and forwarding the packet to a routing object device of the relay server 3 itself. The relay server 3 performs a control for, upon reception of a packet from the routing object device of the relay server 3 itself, converting a destination of the packet from the virtual address into an actual address, and forwarding the packet to the routing session.