【CLAIMS】

1. A method for multipath communication of a terminal via a gateway, the method comprising:

storing a whitelist including applications corresponding to multipath communication applicable objects via the gateway, and

generating, when a first application included in the whitelist is executed, at least one path connected to the gateway using at least one of multiplex communication interfaces,

wherein when a second application not included in the whitelist is executed, traffic of the second application does not be transmitted to the gateway.

2. The method of claim 1, further comprising:

determining, when the first application is executed, whether the first application is included in the whitelist or not based on an identifier of the first application.

3. The method of claim 1, wherein the generating of the at least one path connected to the gateway further includes generating subflows connected to the gateway via each of a plurality of networks, and delivering traffic of the first application using the subflows of the networks to which connections are maintained.

4. The method of claim 1, wherein the storing of the whitelist includes receiving at least one application list from a network device, and storing the received application list in the whitelist.

5. The method of claim 1, further comprising:

configuring a routing table such that traffic generated from the applications included in the whitelist is relayed via the gateway.

6. The method of claim 1, further comprising:

sending, when the second application not included in the whitelist is executed, traffic of the second application via a path that does not include the gateway.

7. A method for multipath communication of a terminal via a gateway, the method comprising:

storing a whitelist including applications corresponding to multipath communication applicable objects via the gateway, and

generating, when a first application included in the whitelist is executed, at least one path connected to the gateway using at least one of multiplex communication interfaces,

wherein the generating of the at least one path connected to the gateway includes:

configuring a source address used to create a socket of the first application as a first communication interface;

mapping information about a first socket created by the first application using the first communication interface as a source address and information about a second socket created using at least one communication interface set in a routing table as a source address, and storing the mapping information in a mapping table; and

sending/receiving traffic of the first application via the at least one communication interface set in the routing table based on the mapping table.

8. The method of claim 7, wherein the generating of the at least one path connected to the gateway further includes updating, when the communication interface used by the second socket as the source address is changed, the mapping table based on information about the changed interface.

9. The method of claim 7, wherein the first communication interface is an interface for connection with a mobile communication network.

10. A method of operating a policy distribution device and a terminal for multipath communication, comprising:

generating, by the policy distribution device, a proxy policy including proxy server connection information and whitelist information;

distributing, by the policy distribution device, the proxy policy to the terminal; and

transmitting, by the terminal, traffic of whitelist-application to a corresponding proxy server based on the proxy policy,

wherein the whitelist information includes a list of whitelist-applications that are multipath communication applicable objects via the corresponding proxy server, and

traffic of a non-whitelist-application does not be transmitted to any proxy server.

11. The method of claim 10, wherein the transmitting to the predetermined proxy server includes:

configuring, by the terminal, a routing table such that traffic of the whitelist-applications included in the whitelist is relayed via the corresponding proxy server, and applying the proxy policy;

identifying that a executed application is the whitelist-application based on identification information of the executed application; and

transmitting the traffic of the executed application to the corresponding proxy server by looking up a routing table associated with the executed application.

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12. The method of claim 11, wherein in the transmitting to the corresponding proxy server, the traffic of the executed application is sent via multiple paths that are connected to the first proxy server.