WHAT IS CLAIMED IS:

1. A method for transmitting data, applied in a terminal device in an inactive state, wherein the inactive state means that the terminal device and a first network device both reserve context information of the terminal device, and a communication connection of the terminal device is reserved between the first network device and a core network device;

wherein the method comprises:

sending, by the first network device, downlink data of the terminal device to the terminal device via a second network device, the first network device being different from the second network device.

2. The method according to claim 1, wherein the sending, by the first network device, the downlink data of the terminal device to the terminal device via the second network device comprises:

when the first network device receives the downlink data sent by the core network device and fails to send a first paging message to the terminal device, sending, by the first network device, the downlink data to the terminal device via the second network device.

3. The method according to claim 2, wherein before sending, by the first network device, the downlink data of the terminal device to the terminal device via the second network device, the method further comprises:

forwarding, by the first network device, the downlink data to the second network device via a first tunnel; and

wherein the first tunnel is a tunnel established by the second network device from the first network device to the second network device.

4. The method according to claim 3, wherein:

the first tunnel is established by the second network device according to identifier information of the first network device and first indication information that are sent by the core network device, and the first indication information is used to indicate the second network device to establish the first tunnel.

5. The method according to claim 3 or 4, wherein before forwarding, by the first network device, the downlink data to the second network device via the first tunnel, the method further comprises:

sending, by the first network device, second indication information to the core network device, wherein the second indication information is used by the core network device to reserve the first context information, and the communication connection of the terminal device between the first network device and the core network device.

6. The method according to claim 5, wherein the sending, by the first network device, the second indication information to the core network device comprises:

sending, by the first network device, a paging request message to the core network device, wherein the paging request message is used to request the core network device to send a second paging message to the terminal device, and the paging request message comprises the second indication information.

7. The method according to claim 2, wherein the sending, by the first network device, the downlink data of the terminal device to the terminal device via the second network device comprises:

forwarding, by the first network device, the downlink data to the core network device by using a second tunnel, so that the core network device forwards the downlink data to the second network device by using a third tunnel;

wherein the second tunnel is a tunnel established by the core network device from the first network device to the core network device, and the third tunnel is a tunnel established by the second network device from the core network device to the second network device.

8. The method according to claim 7, wherein:

the second tunnel is established by the core network device according to third indication information sent by the first network device, and the third indication information is used to indicate the core network device to establish the second tunnel.

9. The method according to claim 8, wherein:

the third indication information is further configured to indicate the core network device to reserve the first context information, and the communication connection of the terminal device between the first network device and the core network device.

10. The method according to any one of claims 7 to 9, wherein before forwarding, by the first network device, the downlink data to the core network device via the second tunnel, the method further comprises:

sending, by the first network device, the third indication information to the core network device.

11. The method according to claim 10, wherein the sending, by the first network device, the third indication information to the core network device comprises:

sending, by the first network device, a paging request message to the core network device, wherein the paging request message is used to request the core network device to send a second paging message to the terminal device, and the paging request message comprises the third indication information.

12. The method according to claim 7, wherein:

the third tunnel is established by the second network device according to fourth indication information sent by the core network device, and the fourth indication information is used to indicate the second network device to establish the third tunnel.

13. A network device, comprising:

a transceiver unit, configured to perform the method for transmitting data according to any one of claims 1-12.

14. A network device, comprising:

a transceiver unit, configured to receive downlink data of a terminal device, and send the downlink data to the terminal device;

wherein the terminal device is in an inactive state, the inactive state means that the terminal device and a first network device both reserve context information of the terminal device, and a communication connection of the terminal device is reserved between the first network device and the core network device, and the first network device is different from the network device.

15. The network device according to claim 14, wherein the transceiver unit is configured to:

before receiving the downlink data of the terminal device, establish a first tunnel, wherein the first tunnel is a tunnel from the first network device to the network device; and

receive downlink data sent by the first network device by using the first tunnel.