CLAIMS

1. A method for data version comparison between trans-time zone sites, the method comprising:

receiving modified target data and corresponding time stamps generated by the trans-time zone sites that modified same target data, (101), the time stamps being generated based on respective time zones of the trans-time zone sites;

determining whether the time stamps are generated by the trans-time zone sites based on respective time zones of the trans-time zone sites;

in response to determining that the time stamps are generated by the trans-time zone sites based on respective time zones of the trans-time zone sites, separately performing, based on a time zone of a central site, a time zone conversion on the time stamps submitted by each of the trans-time zone sites (102); and

performing, based on the time stamps, a data version comparison on the target data submitted by the trans-time zone sites, to determine a latest version of the target data in the modified target data submitted by the trans-time zone sites (103).

2. The method according to claim 1, further comprising:

determining whether the time stamps are generated by the trans-time zone sites based on the time zone of the central site; and

in response to determining that the time stamps are generated by the trans-time zone sites based on the time zone of the central site, performing, based on the time stamps submitted by the trans-time zone sites, the data version comparison on the target data submitted by the trans-time zone sites.

3. The method according to claim 2, wherein separately performing, based on the time zone of a central site, time zone conversion on the time stamps submitted by the trans-time zone sites comprises:

querying the time zones of the trans-time zone sites; and

separately performing, based on a conversion relationship between a time zone of each trans-

time zone site and a time zone of a central site, the time zone conversion on the time stamps submitted by the trans-time zone sites.

4. The method according to claim 1 or 2, wherein performing, based on the time stamps submitted by the trans-time zone sites, the data version comparison on the target data submitted by the trans-time zone sites comprises:

comparing values of the time stamps submitted by the trans-time zone sites; and

determining that target data submitted by a trans-time zone site with the largest time stamp value is the target data of the latest version.

5. The method according to claim 4, wherein the values of the time stamps correspond to a duration unit.

6. The method according to claim 1, further comprising:

when the target data of the latest version in the target data submitted by the trans-time zone sites is determined, updating locally stored original target data by using the target data of the latest version.

7. The method according to any one of claims 1 to 6, wherein the trans-time zone sites are configured to perform an operation service and are located in mutually different time zones.

8. The method according to claim 7, wherein the operation service comprises a payment service.

9. The method according to claim 7, wherein the operation service comprises a modification of data permission.

10. A device for data version comparison between trans-time zone sites, the device comprising a plurality of modules configured to perform the method of any one of claims 1 to 9.