

ABSTRACT

A data distributing method and a management node are provided, which include: according to a received request for cross join, acquiring the number of sub-tables, serial numbers of sub-tables, the number of nodes and serial numbers of nodes, wherein the
5 sub-tables and the nodes are separately included in table A and table B which need to perform cross join; setting the serial numbers of the sub-tables included in the table A or the table B in abscissa or ordinate in sequence, to form length or width of a big rectangle separately to generate the big rectangle; dividing the big rectangle into two sub-rectangles according to a construction method, wherein the two sub-rectangles are
10 respectively the first sub-rectangle and the second sub-rectangle; evenly dividing the first sub-rectangle and the second sub-rectangle separately to form several small rectangles, wherein each small rectangle corresponds to a serial number of a computing node and corresponds to a serial number of a sub-table; distributing the sub-table corresponding to each small rectangle to the computing node corresponding to each small rectangle. Thus,
15 the amount of data transmitted can be decreased, and the network transmission load is lightened.