

AMENDED CLAIMS

1. A system for providing an instant query, comprising:

a dispatcher, being in direct communication with a plurality of machines, for receiving a plurality of continuously-generated data streams from [[a]] the plurality of machines through a communication protocol, and transmitting the continuously-generated data streams to a network storage device and a data processor, wherein, the data processor is in direct communication with the dispatcher for receiving the continuously-generated data streams from the dispatcher and processing the continuously-generated data streams according to a predetermined rule to generate an output; and

a non-relational database, in direct communication with the data processor, for receiving the output and providing an interface for an application to perform the instant query of the output.

2. The system as claimed in claim 1, wherein the dispatcher is executed on a master node of a cluster and comprises functions of filtering and forwarding.

3. The system as claimed in claim 2, wherein the dispatcher is executed in a memory of the master node.

4. The system as claimed in claim 1, wherein the data processor is executed on a worker node of a cluster.

5. The system as claimed in claim 4, wherein the data processor is executed in a memory of the worker node.

6. A method for providing an instant query for an application via an interface of a cluster comprised of at least a master node and a worker node, the method comprising:

receiving a plurality of continuously-generated data streams by a dispatcher from a plurality of machines through a communication protocol and replicating a copy of the continuously-generated data streams by the dispatcher on the master node;

filtering a first set of specific attributes of the copy and based thereon forwarding a part or the whole of the copy to a data processor on the worker node by the master node; and

processing the part or the whole of the copy by the data processor according to a predetermined rule to generate a first output by the worker node, wherein the first output is provided for the application to perform the instant query via the interface.

7. The method as claimed in claim 6, wherein the steps of filtering and forwarding

are executed in a memory of the master node.

8. The method as claimed in claim 6, wherein the step of processing is executed in a memory of the worker node.

9. The method as claimed in claim 6, further comprising the steps of:

transmitting the first output to the master node; and

filtering a second set of specific attributes of the first output and based thereon forwarding a part or the whole of the first output to the worker node by the master node, wherein the part or the whole of the first output is processed by the worker node and a second output is generated therefrom.

10. The method as claimed in claim 9, further comprising the steps of:

transmitting the second output to the master node; and

filtering a third set of specific attributes of the second output and based thereon forwarding a part or the whole of the second output to the worker node by the master node, wherein the part or the whole of the second output is processed by the worker node and a third output is generated therefrom.