
MAIN POINTS

Lesson 3 - MapReduce Basics

Spontaneous Fulfillment of Desires

WHOLENESS OF THE LESSON

MapReduce is a simple programming paradigm that is a core part of Hadoop and it seamlessly facilitates the analysis of big data that is stored in HDFS with its parallel computation model. **Science & Technology of Consciousness:** TM is a simple, effortless mental technique that can be used by anyone, no matter what their lifestyle. It promotes spontaneous fulfillment of desires, by bringing the desires of the individual into accord with Natural Law, without the individual having to know the underlying mechanism.

MAIN POINTS

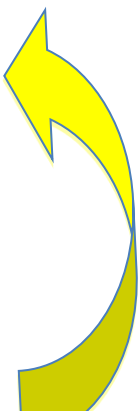
1. The input to a MapReduce job starts as data stored on the underlying distributed file system. The mapper is applied to every input key-value pair (split across an arbitrary number of files) to generate an arbitrary number of intermediate key-value pairs. **Science & Technology of Consciousness:** Nature is capable of harmoniously organizing the entire universe from an unmanifest level.
2. Implicit between the map and reduce phases is a distributed "group by" operation on intermediate keys. Intermediate data arrive at each reducer in order, sorted by the key. However, no ordering relationship is guaranteed for keys across different reducers. **Science & Technology of Consciousness:** Sometimes it is necessary to step back from the points to see the wholeness. TM promotes the ability to see the wholeness as well as the point value, the larger picture as well as the details.
3. The reducer is applied to all values associated with the same intermediate key to generate output key-value pairs. The MapReduce execution framework guarantees that all values with the same key will be brought together in the reduce phase of processing. **Science & Technology of Consciousness:** Purification of the path is a natural part of the evolutionary process and is due to the invincible nature of creative intelligence.

UNITY CHART

CONNECTING THE PARTS OF KNOWLEDGE WITH THE WHOLENESS OF KNOWLEDGE:

MapReduce as a Data Processing Framework on top of HDFS

1. MapReduce is a simple but elegant programming paradigm.
 2. MapReduce paradigm can be used to solve a wide variety of problems.
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3. **Transcendental consciousness:** is a silent field of all possibilities, the basis of any desired outcome.



4. Impulses within the Transcendental Field: Transcendental consciousness has infinite energy, infinite creativity, and infinite intelligence, which allows the impulses within the transcendental field to create anything, giving it the qualities of infinite flexibility and infinite power.
5. Wholeness moving within itself: In unity consciousness, any desire is projected from the field of pure consciousness and therefore is fulfilled immediately.