Lesson 1 - Introduction to Big Data and Hadoop

Transcendental consciousness is the simplest form of awareness

WHOLENESS OF THE LESSON

Hadoop and the related technologies present in its ecosystem like MapReduce, Hive, Pig, HBase, etc. provide storage and processing of large banks of structured and unstructured data. Science & Technology of Consciousness: The Unified Field is the ultimate knowledge bank as it provides access to all knowledge in the simplest state of awareness which can then be processed at the more relative levels of existence.

MAIN POINTS

1. Big data is a broad term for data sets so large or complex that traditional data processing applications are inadequate to handle them. Science & Technology of Consciousness: No inadequacy ever exists in the field of pure consciousness. One who is established in that field, finds nothing impossible.

2. Hadoop is a framework that allows for storage and distributed processing of large data sets across clusters of commodity computers using a simple computing model (called MapReduce to retrieve and analyze data). Science & Technology of Consciousness: It is always advantageous to find a simple basis for a complex field because it provides a way to manage the complexity of the field. Vedic Science has discovered that the simplest form of awareness is the basis for the universe.

3. HDFS is a file system designed for storing very large files (in terabytes+) with streaming data access patterns, running clusters on commodity hardware. When HDFS takes in data, it breaks the information down into separate pieces and distributes them to different nodes in a cluster, allowing for parallel processing. Science & Technology of Consciousness: All information in nature is ultimately in the Unified Field. In nature, the underlying sequential unfoldment of the unified field is at the basis of massive parallelism that is observed in nature.
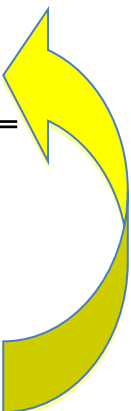
UNITY CHART

CONNECTING THE PARTS OF KNOWLEDGE WITH THE WHOLENESS OF KNOWLEDGE:

Solving the Big Problem of Big Data with Simplicity

1. Hadoop is found to be an ideal solution to deal with big data.
2. Hadoop uses a fault tolerent file system like HDFS to store big data and a batch processing framework like MapReduce to process big data.

3. Transcendental consciousness: is the experience of the simplest and most abstract state of awareness which underlies all states of greater excitation.

4. <u>**Impulses within the Transcendental Field**</u>: Nature accomplishes what it needs by having its impulses in the transcendental field be as efficient as possible.

5. <u>**Wholeness moving within itself**</u>: In unity consciousness the structure of experience is dominated by Wholeness, which is simply the pure field of consciousness, our own Self.