



Big-Data HADOOP

Basic Discussion on Subject

- Whats Big Data and its Present and Future
- Why Apache Hadoop and Discussion on Its vendor company Cloudera.

Internal Concept and Practical Implementation:

- Setup Hadoop v1 and v2 Cluster.
- Implementation of Distributed Storage: HDFS.
- How data processes in Distributed Computing World into our OWN deploy cluster using MapReduce version 1 and 2 (using YARN implementation).
- How to Get Real data sets and develop our own datasets for benchmarking our cluster.
- Understanding MapReduce Programming.
- Develop Basic MapReduce Program for processing Real World data sets from our OWN develop Cluster.
- Perform Data Analytics using High-Level Framework using PIG or HIVE.

Overview of:

- Hbase
- Oozie
- Zookeeper
- Sqoop
- HDFS Federation
- NameNode HA



Domain-Client environment

- Active directory domain service and structure.
- Difference between ADS and ADDS Windows server 2012 System administration Creating a domain network with network services
- Additional network servers 1. DHCP 2. DNS 3. IIS(Application server)
- Server virtualization(Hyper-V) Preparing Cloud platform
- Windows Azure Fundamentals
- Windows Azure storage
- Windows Azure virtual Machines
- Windows Azure Web service
- Windows Azure media services
- Windows Azure applications Network load balancing