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**satish**

**Summary**

* 7+ years of professional IT experience in Hadoop Administration using Apache, Cloudera (CDH) and extensive years of experience in Linux Administration.
* **About 3+ years experience in Hadoop Administration**, **planning, installing and managing the clusters. worked on Cloudera and Hortonworks**.
* Deploying the Cloudera Hadoop cluster using **Cloudera Manager.**
* Experience in performing minor and major upgrades.
* Good Experience on Multi Clustered environment and setting up Hadoop Distribution using underlying technologies like **map/reduce framework, PIG, Oozie, HBase, HIVE, Sqoop,Spark**& related Java APIs for capturing, storing, managing, integrating & analyzing of data.
* Experience in functionalities of every Hadoop daemons, interaction between them, resource utilizations and dynamic tuning to make cluster available and efficient.
* Good knowledge on Hadoop cluster architecture and monitoring the cluster like upgradations and troubleshooting the cluster issues.
* In-depth understanding/knowledge of Hadoop Architecture and various components such as **HDFS, Mapreduce, Yarn, Zookeeper** concepts and very good understanding of High Availability (HA), and edit logs.
* Intermediate knowledge in puppet automation tool.
* Experienced in defining job flows with Oozie to schedule the jobs.
* Knowledge on NoSQL databases such as HBase and experience in understanding and managing Hadoop Log Files.
* Strong Knowledge in Configuring and maintaining YARN Schedulers (Fair, and Capacity).
* Experience in configuring Hadoop Security using Kerberos Authentication with Cloudera Manager.
* Knowldege on installing the necessary procedures and security tools as a Linux administrator.
* "Performing Linux systems administration on production and development servers.
* Experience in **UNIX Shell / AWK/ scripting** for automation, alerts and backups.
* Experienced in Linux Administration tasks like IP Management.
* Good communication and interpersonal skills to develop and maintain relationships with business partners and team members, coordinate schedules to meet project need.

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| **Honors& Awards** |

* Cloudera Certified Administrator for Apache Hadoop (CCAH) CDH 5
* Volunteer In Redcross .org

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| **Professional Qualification** |

**Bachelors: Completed Bachelors in the year 2009 (Electrical and Electronics Engineering)**

**Masters: Completed Masters in the year Dec 2015 (Information Assurance)**

**TECHNICAL SKILLS:**

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| **Operating Systems** | Redhat Linux 6.0, Windows |
| **Big Data** | Hive, Pig, Hbase, sqoop, mahout, Hadoop components (JT, TT, ZK), CDH 5.4, Ambari. |
| **Hadoop Distributor** | Having knowledge on Horton works HDP, Cloudera Manager |
| **Database** | MYSQL & NoSQL - Cassandra, Teradata SQL Assistance, SQL server, MangoDB,Oracle |
| **Scripting Languages** | Unix ; Shell scripting |
| **Database Languages** | T-SQL, PL/SQL |

**Professional Summary:**

Client: Amway, Ada, MI March 2014 - Till date

**Role: Hadoop Administrator**

Responsibilities:

* Deployed 100+ node clusters and currently managing clusters like develop, and production servers.
* Installation & configuration of Commodity hardware to setup Hadoop Cluster with CentOS operating system, single Linux Psuedo-distributed mode cluster on CentOS-6.3/6.4.
* Hadoop Cluster Deployment & Monitoring by Cloudera-Manager (Version 4.x & 5.x)**.**
* Migration of Hadoop cluster from mapredduce1 to Yarn (mapreduce2).
* Configuring, managing & tuning of HDFS with MapReduce (v1)/Yarn (v2) architecture with High- Availability.
* Proficient in installing, configuring, supporting and monitoring Hadoop cluster using **Cloudera manager.**
* Configuration, Administration & Monitoring **of HBase, Hive, Oozie, Hue, spark** components of Hadoop Ecosystem and HDFS with MapReduce (MR1,Yarn).
* Configuring HDFS Name node high availability for Hadoop clusters and name node recovery for failures.
* Configuring, maintaining and troubleshooting the different size of cluster with Kerberos security in Data Center for NextGen Solutions.
* Implemented rack awareness on clusters.
* Monitoring the Servers and troubleshooting the problems within resolution required period.
* Developed data pipeline using Flume, Sqoop, Pig and Java map reduce to ingest data into HDFS for analysis.
* Installed **Oozie** workflow engine to run multiple **Hive and Pig Jobs.**
* Used **Hive** and created **Hive tables** and involved in data loading and writing **Hive UDFs.**
* Created **Hive** External tables and loaded the data in to tables and query data using **HQL**.
* Wrote **shell scripts** for rolling day-to-day processes and it is automated.
* Automated workflows using shell scripts pull data from various databases into Hadoop
* The coordinated root causes analysis efforts to minimize future system issues.
* Experience in performing backup and recovery of NameNode metadata and data.
* Use of **Sqoop** to import and export data from **HDFS to RDBMS** and vice-versa.
* Helped team in scheduling jobs and high availability of clusters.
* Implemented Fair scheduler on the job tracker to allocate the fair amount of resources to small jobs.
* Monitored the CPU usage, IO statistics, memory usage to identify any OS level performance killers, enabling the database level trace for the performance test.
* Collected the logs data from web servers and integrated in to **HDFS** using **Flume**.
* Imported logs from web servers with Flume to ingest the data into HDFS
* Set up and manage High Availability name node and Namenode federation using Apache 2.0 to avoid a single point of failures in large clusters.

**Environment:** Cloudera CDH 4/5**,** Dell R720/R710 Rack servers, Map Reduce, Yarn, Spark, HDFS, Pig, Hive, HBase, Sqoop, Flume , Zookeeper and Oozie

Client: Philidelphia Insurance Companies, Phildelphia, PA January 2013 - December2013

**Role: Hadoop Administrator**

Responsibilities:

* Working with Big data developers and teams in troubleshooting map reduce job failures and issues with Hive, Pig, Hbase.
* **Used to create and delete the users and group users on Ambari.**
* Installing Hadoop Eco-system Components (Pig, Hive).
* Closely working with Developers to provide the support.
* Managed the backup and disaster recovery for Hadoop data.
* Worked in performing minor and major upgrades, commissioning and decommissioning of nodes on a Hadoop cluster.
* **Deployed Hadoop Cluster using Hortonworks and manged it .**
* Troubleshoot and provide the prompt support users to resolve their issues.
* Commission or decommission the datanodes from cluster in case of problems.
* Planning of disk space & capacity of the cluster.
* Used to provide assistance when maintenances are done to the clusters by stopping and starting all services.
* Close monitoring and analysis of the MapReduce job executions on cluster at task level
* We worked on creating Shell scripts to provide faster installation/upgrade of the Hadoop environment.
* Worked on analyzing Data with HIVE and PIG.
* Designed and allocated HDFS quotas for multiple groups.
* Helped in setting up Rack topology in the cluster.
* Part of managing the Hadoop clusters: setup, install, monitor, maintain.

**Environment:**Hortonworks 2.0**,**Map Reduce, HDFS, Pig, Hive, sqoop,oozie, Ambari, Ganglia nagios.

Client: Deutsche Bank, Jacksonville, FL April 2011 - December 2012  
Role: Linux Administrator

Responsibilities:

* Responsible for providing the desktop system administration and support to the network.
* Ensure the compatibility of the hardware and software of the system and system issues.
* Monitored the file systems and CPU load for better performance
* Analyze performance of the system and ensure the performance objective and availability of the requirements.
* Performance & Process Management with using Linux base commands.
* Installation and configuration of Linux for new build environment.
* Troubleshooting and solving problems related to users, applications, hardware etc.
* User management, Creating and managing user account, groups and access levels.
* Set up user and group login ID's, printing parameters, network configuration, password, resolving permissions issues, and user and group quota.
* Tech and non-tech refresh of Linux servers, which includes new hardware, OS, upgrade, application installation, testing.
* Managing systems routine backup, scheduling jobs like disabling and enabling cron jobs, enabling system logging, network logging of servers for maintenance, performance tuning, testing.
* Administration, package installation, configuration of Oracle Enterprise Linux 5.x.

Client: CSTS Technologies, Hyderabad, India May 2009 – December 2010

**Role: Linux Administrator**

Responsibilities:

* Creating, cloning Linux Virtual Machines. Installing RedHat Linux using kick start and applying security polices for hardening the server based on the company policies.
* Administration of RHEL, which includes installation, testing, tuning, upgrading and loading patches, troubleshooting both physical and virtual server issues.
* RPM and YUM package installations, patch and other server management.
* Creating physical volumes, volume groups, logical volumes.
* Installing and configuring Apache and supporting them on Linux production servers.
* Working 24/7 on call for application and system support.
* Creating, Mount & Un mount the File Systems.
* Creating file systems, disk partitioning and troubleshooting.
* Installing and updating packages using YUM.
* Analyze performance of the system and ensure the performance objective and availability of the requirements.
* Gathering requirements from customers and business partners and design, implement and provide solutions in building the environment.