Hadoop Quick Start Training

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Duration: **7 Day**

Overview

The Hadoop Quick Start Services Package will help you get up and running with Hadoop quickly and successfully. The objective is to install and configure Hadoop platform to enable your organization to begin its journey with Hadoop, taking advantage of our experience helping hundreds of customers worldwide. The Hadoop Quick Start Services Package is a pre-deined services engagement to install and conigure Hadoop and transfer knowledge to your organization. A Hortonworks Certiied Professional will complete the work over consecutive days. A typical engagement takes ive or fewer days to complete.

Highlights

- Deploy your Hadoop Data Platform cluster in one week
- Gain knowledge to help your team run your Hortonworks Data Platform cluster optimally within a modern data architecture
- Apply best practices and expertise to quickly gain value from your Hortonworks Data Platform cluster.

Project Steps

Below is a list of steps to be performed in a typical Hadoop Quick Start project:

- Architecture review
- Discuss key points that will dictate deployment decisions
- Determine software layout to each server
- Discuss sizing and data requirements. Pre-installation
- Determine installation type
- Validate environment readiness
- Install Ambari agents. Hadoop installation and deployment
- Use Ambari to deploy to the agreed upon architecture. Hadoop high level overview
- Provide overview of each subsystem
- Ensure smoke test worked on each subsystem
- Shutdown and restart all services. Hadoop cluster tuning
- Conigure cluster parameters based on hardware specification
- Run benchmarking tools for establishing an initial baseline. High availability
- Conigure HA Name Node
- Conigure HA Resource Manager
- Test HA Name Node and HA Resource Manager. Cluster management
- Review add/remove nodes/services. Hadoop conigurations backup
- Backup important site xml iles Backup Ambari server configurations
- Backup Ambari agent conigurations
- Backup default Databases used by the cluster
- Backup Hive meta store. Cluster monitoring
- Provide Ambari alert overview
- Provide Ambari metrics overview. Documentation
- Complete operational runbook document based on a Hortonworksdeveloped template. Knowledge transfer (KT) and plan next steps
- Complete KT session with customer team on activities performed and best practices
- Conduct client meeting to discuss next engagement and use cases. Transition to support
- Update Hortonworks customer support team on all activities performed.

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Deliverables

- Hadoop installed and conigured
- Knowledge transfer on activities performed
- Complete operational runbook document based on a developed template

Project Assumptions

- Hardware and environment conigurations comply with Hadoop Quick Start reference architectures
- Compliant hardware is installed, available, racked and networked and operating system is installed before the project start date
- The pre-engagement Hadoop Quick Start questionnaire is completed before the project start date
- Hadoop base services components will be installed following the list in the pre-engagement questionnaire
- Only default databases will be installed with Hadoop cluster installation
- All of the work will be executed on a single cluster environment
- Hortonworks will have direct access to the cluster resources in completing installation and administration activities.

Out Of Scope

- Installation and coniguration of non-Hortonworks software
- Installation in more than one environment
- Deployment of security components
- Installation or coniguration of operating systems
- Custom application development or use case development
- Performance modeling, testing or benchmarking
- Data ingestion, cleansing, cleanup or remediation
- Data and code migration.