Dell QuickStart 5.7 for Cloudera Hadoop

Fast deployment, all-in-one, with an aggressive price point

At Dell we recognize the importance of data as the new currency and as a key competitive differentiator. Data is being created and consumed at rates never before seen and this is not unique to a single industry, it is affecting all markets. With this data explosion, organizations are recognizing the need for more than traditional, structured systems to take control of their data.

The introduction of Dell QuickStart 5.7 for Cloudera Hadoop offers an easy entry point for organizations to begin managing and analyzing data. An all-in-one system designed to reduce the complexity of deploying, configuring and managing Hadoop systems, QuickStart 5.7 for Cloudera Hadoop includes the hardware, software and services needed to deliver a Hadoop cluster that will start organizations on a proof of concept to begin working with big data.

QuickStart 5.7 for Cloudera Hadoop builds on Dell's deep expertise and relationships with Cloudera and Intel.

The solution represents a unique collaboration in the big data ecosystem to collectively deliver an easy and affordable way to get started with Hadoop.
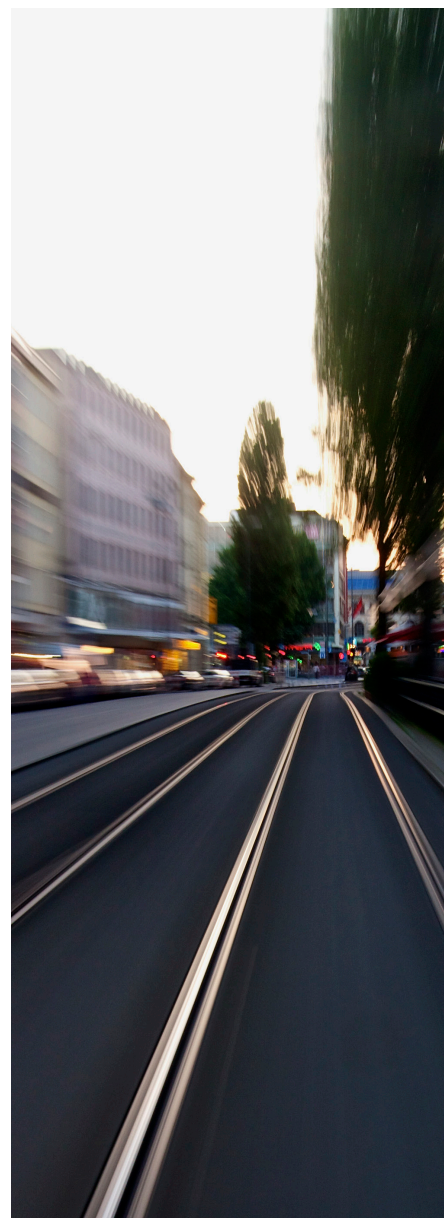
Dell QuickStart 5.7 for Cloudera Hadoop

Dell QuickStart 5.7 for Cloudera Hadoop enables organizations to quickly engage in Hadoop testing, development and proof of concept work. Through the combination of Dell™ PowerEdge™ servers, Cloudera Enterprise Basic Edition and Dell Networking, organizations can quickly deploy Hadoop and enable development and application teams to test business processes, data analysis methodologies and operational needs against a fully functioning Hadoop cluster.

Every QuickStart comes with deployment and software configuration services. In addition, our 2 week Cloudera Accelerator includes training, knowledge transfer, interactive architectural design workshops, plus hands on lab sessions

The Dell difference

QuickStart 5.7 for Cloudera Hadoop:

- Simplifies procurement and deployment
- Enables organizations to respond to business needs more quickly
- Allows IT resources to focus on driving strategic value from the platform vs. deploying the platform
- Includes white glove services for deployment, installation (ProDeploy) and personalized knowledge transfer (Accelerator)
- Delivers a bundled Hadoop solution—an open and secure platform to manage, analyze and store data
- Offers an aggressively priced entry point

to demonstrate these principles using your data. At the close of the engagement, we provide a roadmap and best practice deliverable with recommendations on how to achieve your desired future state with your Quickstart bundle.

Powered by Dell PowerEdge servers

The Dell™ PowerEdge™ R730xd server is an exceptionally flexible and scalable, two-socket 2U rack server that delivers high performance processing and a broad range of workload-optimized local storage possibilities, including hybrid tiering. It is designed for the scale-out storage efficiency demanded by today's XaaS providers, Hadoop/big data users and co-location hosting sites—with optional in-box storage tiering.

Key features include:

- Updated to Intel® Xeon® E5-2600 v4 series processors Broadwell") and DDR4 2400MTS memory.

- Increased the recommended Data Node memory from 128 GB to 256 GB.

- Flex Bay drive size has been increased to 600 GB.

- The PostgreSQL database was moved to the HA Node.

- Cloudera Manager services were moved to the HA Node.

Cloudera software

Cloudera Basic Edition is the best way to get started with Hadoop. The Basic Edition offers an enterprise-ready distribution of Apache™ Hadoop® software together with Cloudera Manager and other advanced management tools for storage and batch processing with core Apache Hadoop and technical support.

Start today

Dell QuickStart for Cloudera Hadoop enables your organization to quickly deploy Hadoop, integrate it with your environment and enable a broad range of staff in the organization to begin leveraging Hadoop to determine the best fit for production deployments and processes. Dell QuickStart for Cloudera Hadoop gives you the tools you need to mine your data for insights that will help to build competitive advantages.

Program Highlights: Dell QuickStart 5.7 for Cloudera Hadoop

Dell S4048 Switch

Dell S3048 Switch

2X R730xd Infrastructure Nodes

3X R730xd Data Nodes

Built for
- Organizations interested in understanding and working with Hadoop
- Initial Hadoop adoption

Upgrade available
- QuickStart 5.7 can be upgraded to a full Reference Architecture for production

Components
- 2 Infrastructure nodes – PowerEdgeR730xd with Intel Xeon E5-2600v4 series processors
- 3 Data nodes – PowerEdgeR730xd with Intel Xeon E5-2600v4 series processors
- 1 x Dell Networking S3048-ON
- 1 x Dell Networking S4048-ON
- Cloudera Basic Edition on 5.7 software with 8X5 support
- RedHat Enterprise Linux 6.7 operating system

Installation services
- Racked and stacked
- OS Deployment and setup
- Deployment

To learn more, visit Dell.com/Hadoop | Dell.com/BigData

For questions, please contact us at: Hadoop@Dell.com