Big Data Training

HP Education courses
Training for Apache Hadoop

Unleash the potential of Apache Hadoop

HP offers a complete portfolio of solutions, consulting, and education services so customers can swiftly and painlessly deploy, manage, and scale Apache Hadoop systems.

HP has partnered with the top three Hadoop distribution vendors—Cloudera, MapR, and Hortonworks—to create reference architectures (RAs) and build pretested, preintegrated, and preoptimized solutions with Cloudera. With HP, customers improve time to value while deploying a successful Hadoop analytics platform.

Hadoop for Systems Administrators (H6C60S)

Course overview

HP Education Services is pleased to introduce our new course—Hadoop for Systems Administrators (H6C60S). This three-day course provides hands-on, expert training to properly deploy, manage, and maintain Hadoop clusters.

The new Hadoop for Systems Administrators course covers the essentials of deploying and managing an Apache Hadoop cluster. The course is lab-intensive with each student creating their own cluster using either CDH (Cloudera Distribution, including Apache Hadoop) or Hortonworks Data Platform distribution. The course is approximately 60 percent lecture and 40 percent labs.

Core Hadoop services are explored in depth with emphasis on troubleshooting and recovering from common cluster failures. The fundamentals of related services such as Ambari, Zookeeper, Pig, Hive, HBase, Sqoop, Flume, and Oozie are also covered.

This course is designed for systems administrators who will be responsible for managing and administering Hadoop clusters. Qualified participants do not need previous Hadoop experience but should be comfortable with Linux commands and have some systems administration experience.

Course number and Course details

| H6C60S |
|-----------------|-----------------|
| Duration        | 3 days          |
| Delivery options| • Live, instructor led, virtual via RAIL  |
|                 | • Dedicated class at your site or via RAIL |
| Topics          | • “Big data,” the big picture |
|                 | • Hadoop Distributed File System |
|                 | • MapReduce |
|                 | • Authentication and authorization |
|                 | • MapReduce schedulers |
|                 | • Cluster monitoring and maintenance |
|                 | • Troubleshooting |
| HP Services for Hadoop | Work with HP Big Data experts to deploy a successful roadmap for Hadoop |

Check out our full Big Data curriculum: hp.com/learn/bigdata
Today’s competitive battleground is fueled by information.

Big Data solutions are designed to capture, process, store, and analyze data so that the right person gets the right information, at the right time.

Big Data training

What is Big Data?
Big data refers to datasets whose volume, velocity, variety, and complexity exceed the ability of commonly used software tools to capture, process, store, manage, and analyze. Big Data is the combination of different types of data:

- Unstructured—data communicated every day by email, phone, text, tweet, and video
- Semistructured—data generated by machines
- Structured—data traditionally stored in databases, such as account information and credit card transactions for example, log files

The challenge of Big Data is to efficiently and effectively capture, store, manage, and analyze 100 percent of the data to drive business insight and timely decisions.

Get control with information management
HP offers intelligent information ecosystems to manage, secure, govern, and leverage information seamlessly across the enterprise. With innovative technologies such as HP AppSystem for Hadoop, enterprises can deploy reliable and cost-effective Big Data solutions.

Get efficient with information infrastructure
Harnessing the power of Big Data requires an intelligent data center—one that starts with an infrastructure that can capture, store, replicate, and scale information at speeds required by the business. Technologies such as HP BladeSystem, HP ProLiant Gen8, HP StoreAll, and HP Networking are at the heart of HP Big Data information infrastructure.

Empower your team to conquer Big Data—start with training
HP Education Services offers a broad range of in-depth training courses to address your information management and information infrastructure needs. We combine business insight, hands-on experience, and technical expertise to equip your team and fine tune your Big Data solution.


- HP Reference Architecture for Cloudera Enterprise
- HP Reference Architecture for Hortonworks Data Platform
- HP Reference Architecture for MapR M5
- HP AppSystem for Apache Hadoop
- HP AppSystem for Vertica

HP Autonomy and HP Vertica
To create an end-to-end Big Data management platform and deeper, time-critical analytics, Hadoop can be integrated with HP solutions for low-cost data warehousing or batch-oriented analysis. The HP Hadoop-based solution is complementary with HP Vertica and HP Autonomy. HP Autonomy is the market leader in meaning-based computing technology. HP Vertica is proven to deliver outstanding results in the most demanding business intelligence and analytic environments.

Simplify your training purchase with the HP Care Pack for ProLiant Training (SKU HF385E/HF385A1)
Be sure HP Care Pack for ProLiant Training (HF385E or HF385A1) is included with your HP reference architecture or AppSystem quote. Since one HP Care Pack unit equates to one day of training, it is easy to adjust your order to cover all your training needs. Care Packs offer:

- Convenience: Purchase prepaid, discounted training credits now. Choose classes, dates, locations, and who to send later (Care Pack credits are valid for 12 months).
- Flexibility: Use Care Pack credits for any course offered by HP Education Services, whether delivered face to face, onsite, or via RAIL (live, virtual instructor led training).
- Ease of use: Redeem one Care Pack unit for one day of ProLiant training (per student) in a public class.
**Why HP Education Services?**

HP has built its education services on a solid foundation of experience, content, delivery, and innovation.

- Global training with more than 90 training locations worldwide
- Unmatched technical expertise and support for HP products and technologies
- Real-time collaboration and hands-on experience with HP MyRoom and HP Virtual Labs
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- Comprehensive curriculum of job-specific training leading to vendor certification
- More than 30 years of Education Consulting
- Recognized as an IDC Marketscape leader for IT education¹

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¹ “Worldwide IT Education and Training 2013 Vendor Analysis,” IDC Marketscape, January 2013

**Learn more at hp.com/learn**