

CLLOUDERA MANAGER 4

End-to-End Administration for Hadoop

Effectively manage the complete CDH stack.

DEPLOYMENT

Get up and running quickly and operate easily with wizard-based installation, centralized management, role-based administration and a comprehensive API

CONFIGURATION

Configure and manage all hosts and services, security and system resources with built-in intelligence

MONITORING

Maintain a central view of all activity in the cluster through heatmaps, proactive health checks, events and alerts

DIAGNOSTICS & REPORTING

Easily diagnose and resolve issues with operational reports, intuitive log viewing and search, audit trails and integration with Cloudera Support

“The management suite delivered in Cloudera Enterprise fills an important need for managing our Hadoop cluster.”



Cloudera Manager is the market-leading management platform for CDH. As the industry's first end-to-end management application for Apache Hadoop, Cloudera Manager sets the standard for enterprise deployment by delivering granular visibility into and control over every part of CDH - empowering operators to improve cluster performance, enhance quality of service, increase compliance and reduce administrative costs.

Manage CDH Clusters Easily and Effectively

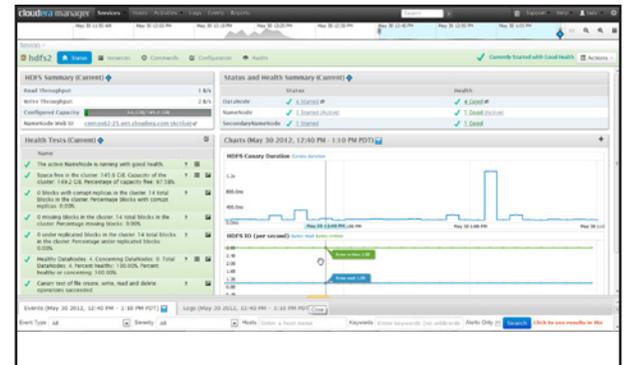
As with any distributed computing or storage platform, deployment and ongoing administration of a Hadoop stack can be difficult and time consuming. Deciding which components and versions to deploy based on use cases; assigning roles for nodes; effectively configuring, starting and managing services across the cluster; and performing diagnostics to optimize cluster performance require significant expertise and constant attention. Cloudera Manager is designed to make administration of CDH simple and straight-forward, at any scale. With Cloudera Manager, you can easily deploy and centrally operate the complete Hadoop stack. The application automates the installation process, reducing deployment time from weeks to minutes; gives you a cluster-wide, real time view of nodes and services running; provides a single, central console to enact configuration changes across your cluster; and incorporates a full range of reporting and diagnostic tools to help you optimize performance and utilization.

Cloudera Manager is available, along with CDH and Production Support, as part of the Cloudera Enterprise subscription. With Cloudera Enterprise, you can operationalize your CDH system with ease.

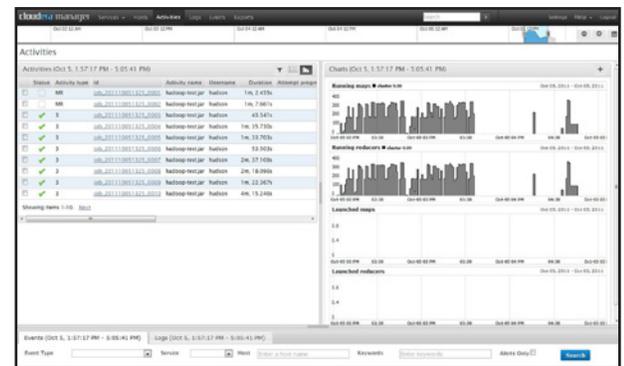
Key Features of Cloudera Manager

Feature	Benefit
Automated Deployment & Hadoop Readiness Checks	Installs the complete CDH stack in minutes and ensures optimal settings
Comprehensive API	Easily integrate Cloudera Manager with your existing enterprise-wide management and monitoring tools
Multi-Cluster Management	Manage multiple CDH clusters from a single instance of Cloudera Manager
Role-Based Administration and LDAP Authentication	Supports Administrator and Read-Only users and integrates credentials with Active Directory
Centralized Management & Global Time Control	Manage CDH from a central console and correlate all views along a configurable timeline to simplify diagnosis
Service & Configuration Management	Set server roles; configure, start, stop and restart services and roles; deploy client configurations; and manage security across the cluster
Configuration History & Audit Trails	Maintains a trail of all actions and a complete record of configuration changes, including the ability to roll back to previous states
Proactive Health Checks	Monitors dozens of service performance metrics and alerts you when you approach critical thresholds
Intelligent Log Management	Gather, view and search Hadoop logs collected from across the cluster
Events and Alerts	Create, aggregate and receive alerts on relevant Hadoop events pertaining to system health, log messages, user actions and activities
Activity Monitoring	Consolidates all cluster activity into a single, real-time view including job details, job comparisons and task distribution across the cluster
Host Monitoring	View information pertaining to hosts including CPU, memory, disk usage and network I/O
Heatmaps	Visualize health status and metrics across the cluster to quickly identify problem nodes and take action
Operational Reports	Visualize current and historical disk usage by user, group and directory and track MapReduce usage by user
Quota Management	Create user and group-based quotas for files, directories and disk space
Support Integration	Takes a snapshot of the cluster state and automatically sends it to Cloudera support to assist with resolution
Internationalized User Interface	Support for English, Chinese, French, German, Japanese, Portugese and Spanish languages

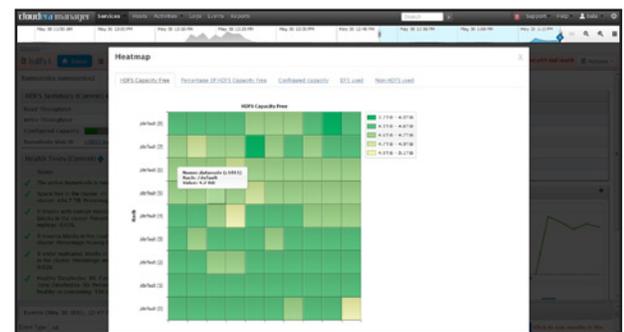
View Service Health and Performance



Monitor and Diagnose Cluster Workloads



View Heatmaps for Status and Metrics



Try It For FREE Cloudera Manager Free Edition

Cloudera Manager Free Edition makes it easy for anyone to get, install, configure and perform basic management for a CDH cluster. The software supports up to 50 nodes and is available as a free download at cloudera.com/downloads.