

CDH 特性		免费版
Deployment, Configuration & Management	系统管理	
Automated Deployment & Hadoop Readiness Checks	自动化部署及快速检查	
Install the complete CDH stack in minutes and ensure optimal settings	安装完整的CDH及优化配置	•
Service Management	服务管理	
Configure and manage all CDH services, including Impala and Search, from a central interface	提供统一的界面管理与配置全部的CDH服务, 包括 cloudera impala及 cloudera search	•
Security Management	安全	
Configure and manage security across the cluster – including Kerberos authentication and role-based (administrator and read-only) administration	跨群集的安全管理与配置 (包括Kerberos认证及基于角色的管理)	•
Resource Management	资源管理	
Allocate cluster resources by workload or by user/group/application to eliminate contention and ensure Quality-of-Service (QoS)	根据工作量分配资源, 或根据/user/group/application文件消除争用, 保证QoS	•
High Availability	HA	
Easily configure and manage High Availability for various services like HDFS, MapReduce, Oozie, YARN, HBase	为多种服务配置HA: HDFS,MapReduce,Oozie,YARN,Hbase	•
Client Configuration Management	管理客户端配置	
Centrally configure all client access to the cluster	集中配置连接到群集的客户端	•
Node Templating	节点模板	
Easily deploy and expand heterogeneous clusters by creating templates for node roles	通过为节点角色创造模板, 来部署和扩展不同的群集	•
Comprehensive Workflows	全面的工作流	
Perform end-to-end tasks such as start/stop/restart clusters, services and roles, add/delete hosts, decommission nodes etc.	执行端到端的任务, 如群集、服务、角色级别的启停, 增删主机, 解除节点等。	•
Multi-Cluster Management	多群集管理	
Manage multiple CDH clusters from a single instance of Cloudera Manager	一个Manager管理多个CDH群集	•
Monitor		

Service, Host & Activity Monitoring	服务、主机、活动的监控	
Get a consolidated, real-time view of the state of all services, hosts and activities running in the cluster	对服务、主机、活动的统一的实时的监控	•
Events & Alerts	事件和警报	•
Create, aggregate and receive alerts on relevant Hadoop events pertaining to system health, log messages, user actions and activities Set thresholds and create custom alerts for metrics collected by CM	创建、合计、接收Hadoop相关的系统健康、日志信息、用户动作和活动的警报。设置阈值并创建用户警报。	
Diagnose		
Global Time Control	全程控制	•
Correlate all views along a configurable timeline to simplify diagnosis	通过可配置的时间线串联所有视图，简化诊断。	
Proactive Health Checks	健康预检	•
Monitor dozens of service performance metrics and get alerts you when you approach critical thresholds	监控服务性能，当达到阈值时向用户报警。	
Heatmaps	热度图	•
Visualize health status and metrics across the cluster to quickly identify problem nodes and take action	图形化展示群集的健康状态，便于发现故障节点并修复。	
Customizable Charts	可定制的图表	•
Report and visualize on key time-series metrics about services, roles and hosts	按照时间顺序提供服务、角色和主机的形象报告。	
Intelligent Log Management	智能日志管理	•
Gather, view and search Hadoop logs collected from across the cluster	可以收集、观察和查询从群集中获得的Hadoop日志。	
Integrate		
Comprehensive API	广泛的API	•
Easily integrate Cloudera Manager with your existing enterprise-wide management and monitoring tools	可以简单的将CM与现有的企业范围的管理和监控工具集成起来。	
3rd Party Application Management	对第三方应用的管理	•
Deploy, manage and monitor services for 3rd party applications running on the cluster (e.g. data integration tools, math/machine learning applications, non-CDH services etc.)	部署、管理和监控运行在群集上的第三方应用服务。	
Advanced Management Features (Enabled by Subscription)		

Operational Report & Quota Management	操作报告和配额管理	
Visualize current and historical disk usage; set user and group-based quotas; and track MapReduce, Impala, YARN and HBase usage	1.当前及历史磁盘用量展示 2.基于用户和组的配额设置 3.跟踪MapReduce、Impala、YARN和Hbase的用量	
Configuration History & Rollbacks	记录配置历史及回滚	
Maintain a trail of all actions and a complete record of configuration changes, including the ability to roll back to previous states	保留所有活动及配置变化的痕迹档案，包含回滚到之前状态的能力。	
Rolling Updates	滚动升级	
Stage service updates and restarts to portions of the cluster sequentially to minimize downtime when upgrading or updating your cluster	分阶段升级和重启群集各部分，最小化宕机时间。	
AD Kerberos Integration	AD与Kerberos的集成	
Integrate directly with Active Directory to get started easily with Kerberos	直接与AD集成，可以方便的与Kerberos一起工作	
Kerberos Wizard	Kerberos向导	
Easily configure Kerberos and trigger automated workflows to secure clusters	方便配置Kerberos，可以自动触发工作流来保证群集安全。	
Hadoop SSL Related Configs	Hadoop SSL相关配置	
Simplify configs and eliminates need for safety valves	简化配置并减少安全阀的需求	
LDAP/SAML Integration	LDAP/SAML的集成	
Integrate user credentials with Active Directory and enable single sign-on (SSO) capabilities	集成了基于AD的用户验证，并提供了SSO能力。	
SNMP Support	对SNMP的支持	
Send Hadoop-specific events and alerts to global monitoring tools as SNMP traps	以SNMP 异常报告的方式向全局监控工具发送Hadoop特定的事件和告警。（参见文末注1）	
Scheduled Diagnostics	cloudera技术诊断的支持	
Take a snapshot of the cluster state and automatically send it to Cloudera support to assist with optimization and issue resolution	优化和解决问题时，收集群集状态快照并自动发送至cloudera支持。	
Automated Backup & Disaster Recovery	自动化备份和灾难恢复	
Centrally configure and manage snapshotting and replication workflows for HDFS, Hive and HBase	集中配置和管理快照，复制HDFS、Hive、HBase工作	

