Supercharge your data and analytics journey

SMARTSTART: CLOUDERA PLATFORM SETUP AND USE CASE IMPLEMENTATION

Why choose Cloudera Professional Services?

- **Sizeable Pool of Technical Experts** - Cloudera's services team is composed of over three hundred technical experts adept at designing, architecting and implementing big data solutions, including comprehensive migration planning and execution.

- **Deep and Wide Knowledge Base** - Cloudera has amassed an unparalleled knowledge base and delivery practices to deliver projects faster and more cost effectively.

- **Experienced Delivering Over 1000 Big Data Projects** - Cloudera has delivered more than 1000 projects and brings to bear valuable experience to help lower project risk and achieve success.

- **Broad Range of Services** - Cloudera offers a broad range of services to help at every step of the journey, on all infrastructures, from on-premises to the cloud, and ranging from solution design, to implementation and production readiness

- **Driven By Customer Success** - Cloudera is driven and measured by our customers' success and will use every opportunity available to achieve their goals and objectives

SMARTSTART sets up and secures the Cloudera platform, and implements a pilot use case to get customers started and delivering value quickly.

Cloudera offers the most capable technical experts and widest real-world experience to help plan, pilot and migrate big data implementations to production fast, painless, and with peak performance. No one knows the big data ecosystem better than Cloudera Solution Architects or has more skills configuring, securing, benchmarking, and deploying large-scale enterprise data hubs on any infrastructure. Cloudera platforms, configured according to our own best practices, stand up faster, with less risk, for a lower total cost.

Benefit from Our Experience

Collectively, Cloudera Solutions Architects represent one of the industry's most significant knowledge bases, built over the course of delivering more than 1000 big data projects. Cloudera's combined knowledge consists of documented best practices and delivery tools aimed at reducing implementation time and costs to our customers, enabling them to get to value faster. Cloudera has experience across all major industries, configuring our platforms to specific use cases in an optimal fashion to avoid downstream issues and potential adverse impacts.

Exploit the Full Potential of Big Data Use Cases

Our goal is to maximize the value of our customers' data by aligning their information architecture to specific use cases and ensuring the infrastructure meets the demands at every stage of the data lifecycle. SMARTSTART, deploys and secures the Cloudera platform, and implements an MVP use case to get customers started and delivering value quickly. The engagement typically takes between four and six weeks.

About Cloudera

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the Edge to AI. Powered by the relentless innovation of the open source community, Cloudera advances digital transformation for the world's largest enterprises.

Learn more at cloudera.com

Cluster Deployment

Any successful solution must be built on a solid base. Often, the greatest challenge to generating value from data and analytics is establishing the system architecture to support each relevant use case. Cloudera will work side-by-side with customer teams to install and configure their Cloudera cluster and ensure the success of their data and analytics project. A typical Cloudera platform deployment lasts one week and consists of the following activities:

• Overall solution and cluster/components design

• Install and validate Cloudera platform cluster for up to 100 nodes

• Carry out performance tests and fine tune as needed

• Documentation and best practices

Security Integration

With Cloudera platforms storing vast amounts of data for new workloads and user inter-actions, securing this data is paramount for success. As every implementation is different, each use case requires a specific security program that ensures administrative governance and regulatory compliance. Cloudera will customize the architecture to meet industry-specific compliance and security requirements and enable strong authentication, authorization, data access, audit, and data governance for our customers' big data solution. A typical Cloudera platform enhanced security integration engagement lasts two weeks and consists of the following activities:

• Review security requirements and provide an overview of data security capabilities

• Design a security solution architecture based on requirements

• Optimize OS and Java to take advantage of hardware-based crypto-acceleration

• Install and configure Kerberos with a local MIT Kerberos KDC or integrate with AD

• Install and configure authorization, auditing, data governance and peripheral security

• Review fine-grain permissions, auditing and lineage on sample data

• Use Cloudera tools to review security integration for users and administrators

• Cluster Security Operation runbook documentation and knowledge transfer

Use Case Pilot Implementation

Customers starting their analytics journey and need to prove business value quickly, often find themselves lacking the right experience, resulting in failed or delayed execution. Cloudera assists customers with a business use case pilot to ingest and store data, provide analytics, and integrate the solution in the customer's business. A typical pilot implementation last three to four weeks and consists of the following high level activities:

• Develop a solution for ingest, data lake and analytics based on pilot requirements

• Implement a foundation data lake for pilot data sets

• Implement ingest flows and ETL/transformation using Cloudera platform components

• Connect ODBC compliant visualizations tools for publishing visualizations

• Design and implement BI/dashboards, reports or analytics based on requirements

• Conduct knowledge transfer on data ingestion, ETL, analytics and review best practices

• Demonstrate cluster implementation and business insights from the use case pilot

• Develop a production implementation plan, documentation and knowledge transfer

CLOUDERA