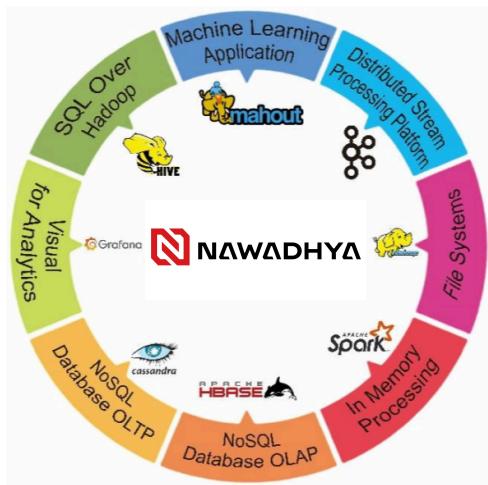


Nawadhyा Big Data Platform



Technology continues to move fast, and teams often don't have the time or resources to design, deploy, and manage data processing stacks built for Hadoop from scratch. While advanced analytics and artificial intelligence are becoming increasingly important, setting up the right foundation remains a challenge for many organizations.

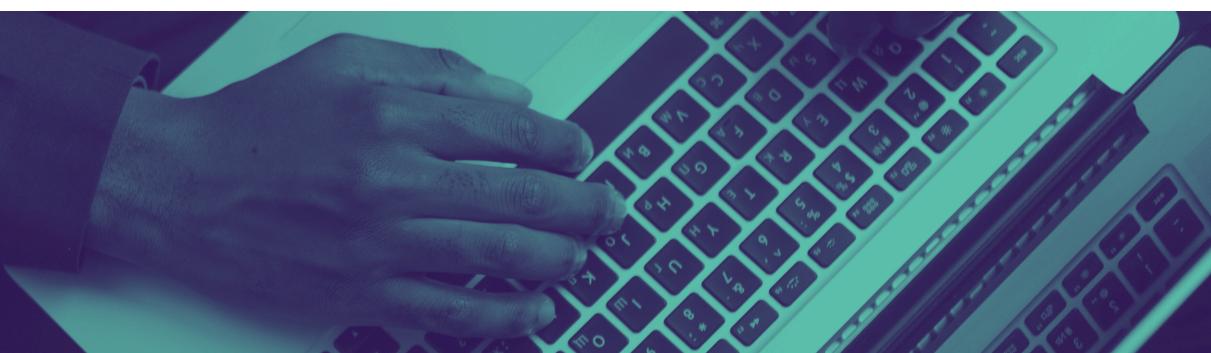
With Apache® Hadoop® at the core of its big data stack, **Nawadhyा Big Data Platform** enables teams to process and analyze large volumes of diverse data using scalable, high-performance collaborative framework. By combining Hadoop with Hive, Spark, and Jupyter, users can perform distributed data processing and analytical workloads to gain deeper visibility into operations, patterns, and trends across their data.

Building a reliable Hadoop environment requires both technical expertise and the right infrastructure. Nawadhyा Big Data Platform helps reduce the complexity by providing a ready-to-use Hadoop-based stack that simplifies experimentation, development, and analytics workflows. By lowering the barrier to entry for Hadoop adoption, Nawadhyा allows teams to focus on extracting insights from data rather than spending time on infrastructure setup—accelerating the path from raw data to meaningful analysis.

The rise of the Internet era introduced a flood of unstructured data, necessitating a shift toward distributed storage and parallel processing. **Nawadhyा** emerged to meet these complex technical demands, providing the framework necessary to manage modern big data challenges.

With the explosion of mobile technology, data structures became increasingly complex, and the need for high-concurrency performance skyrocketed. To keep pace, **Nawadhyा** has prioritized the development of high-speed interactive querying and sophisticated full-text retrieval, ensuring that mobile data remains actionable and accessible.

As we move into the IoT and AI-driven future, where every device is interconnected, the focus shifts toward identifying hidden patterns within massive datasets to improve human life and industrial efficiency. By delivering real-time processing and low-latency performance, **Nawadhyा** stands at the forefront of big data innovation, turning interconnected information into strategic value.



The evolving landscape of big data requires increasingly robust computing power and hardware specifically optimized for modern data technologies. To address this, we have developed **Nawadhy**, a comprehensive and unified solution designed to maximize efficiency and performance.

By utilizing cost-effective, commodity-grade x86 servers and integrating the powerful capabilities of the Apache Hadoop ecosystem, **Nawadhy** offers a sophisticated alternative to traditional systems. Our platform is backed by a team of engineers with extensive, long-term expertise in the big data field, ensuring that we utilize only the most advanced technological standards.

The **Nawadhy Big Data Platform** is built for versatility, providing seamless support across diverse environments. It excels in a variety of high-demand scenarios, including **deep offline analysis, instant real-time search, and continuous stream processing**, making it a truly multi-functional tool for the modern enterprise.

Performance

Nawadhy Big Data Platform is able to provide scalable data processing for handling structured and semi-structured data with minimal operational complexity. By leveraging Apache Hadoop together with Hive, Spark, and Jupyter, Nawadhy supports distributed analytics workloads for large data volumes. The platform enables teams to extract data-driven insights to support analytical and operational use cases.

Advanced Technology

Nawadhy Big Data Platform harnesses the power of the latest, cutting-edge Big Data technologies, continuously enhanced by our dedicated R&D team. Designed for organizations that demand **reliability, adaptability, and scalability**, Nawadhy delivers a solution that not only meets global standards but is also **tailored to local needs**, empowering businesses to turn complex data into actionable insights with confidence.

Reliability

Since **Nawadhy Big Data Platform** is continuously developed and improved, its features and capabilities are designed to perfectly **adapt to the needs of the local market**. With ongoing innovation, **Nawadhy Big Data Platform** delivers unmatched



performance, reliability, and scalability, making it the **trusted and go-to solution** for users who demand the very best in Big Data.

Technical Support

Our dedicated R&D team is constantly driving **continuous improvements**, ensuring Nawadhy Big Data Platform stays ahead of the curve. Meanwhile, our **highly trained and experienced technical support team** is always ready to assist customers **anywhere, anytime**, providing support tailored to your level of need.

Simplify Operations

Nawadhy Big Data Platform is built as an integrated, end-to-end Big Data solution and continuously enhanced with smart features. Its **user-friendly design and intuitive workflow** make operating the platform simple, efficient, and hassle-free.

Reduce Cost

Nawadhy Big Data Platform provides a **complete end-to-end solution**, giving users the full Big Data package in one seamless platform. On top of that, with **direct after-sales support from Nawadhy**, maintenance becomes easier and more cost-effective, helping organizations **optimize their investment** while enjoying reliable, high-performance Big Data capabilities.

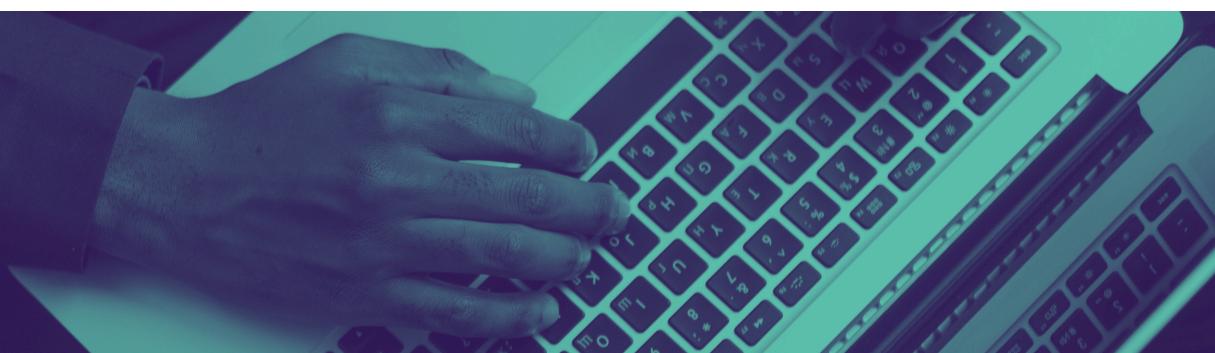
System Requirement

Master Node (2 unit)

2 x x86-64 Processor 2.4GHz minimum,
16 core minimum,Storage SSD : 2 x
480TB SSD Mixed Use (O/S & Apps),
4x3.84TB Mixed Used 12GBps (data),
network : 2xdual port 10GB & 1xQuad
port 1GBE, O/S: CentOs

Worker Node (3 unit)

2 x x86-64 Processor 2.4GHz minimum,
16 core minimum,Storage SSD : 2 x
480TB SSD Mixed Use (O/S & Apps),
6x3.84TB Mixed Used 12GBps (data),
network : 2xdual port 10GB & 1xQuad
port 1GBE, O/S: CentOs



Nawadhy Big Data Platform Use Cases

Section 1: Operational Efficiency

Category	Data Warehouse Augmentation	Log Aggregation and Analytics	Dual Storage and Active Archive	Archive-intensive and Tiered Hadoop
Primary Value	Reduces TCO (Total Cost of Ownership) and increases ROI.	Secures the enterprise.	Reduces TCO and eases compliance	Provides enterprise storage for large capacity Hadoop workloads.
Key Objectives	<ul style="list-style-type: none"> Offload ETL workloads Reduce licensing costs Enhance accessibility Data exploration Manage performance 	<ul style="list-style-type: none"> Prevent security breaches Detect anomalies Infrastructure efficiency Automation 	<ul style="list-style-type: none"> Lower storage costs Ease compliance/reporting Streamline inquiries Improve operations 	<ul style="list-style-type: none"> Lower active archive costs Tiered storage for compliance Multi-protocol support Storage consolidation



Section 2: Business Transformation

Industry	Goal	Key Use Cases
Marketing	Anticipate customer needs	Customer 360 insight, retention, segmentation, loyalty, new product/service launch
Finance	Reduce risk and detect fraud	Credit scoring, customer analytics, fraud detection, risk management
Healthcare	Improve patient care and reduce costs	Quality of care, patient safety, risk mitigation, fraud detection, claims management
Pharmaceutical	Ensure regulatory compliance and validation	Biomedical analytics, stability and shelf life, primary research
Manufacturing	Achieve continuous process improvement	Product quality, customer insight, demand forecasting, improved operations





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