



The Challenge

Businesses implementing active analytics encounter several challenges:

- Impossible to analyze streaming and historical data simultaneously, at scale
- Difficult to incorporate location intelligence into applications
- Hard to integrate machine learning into production applications
- Complicated to stitch together a mix of different technologies that weren't designed for active analytics

The solution is an active analytics platform. The Kinetica Active Analytics Platform lets you combine and analyze billions of live and historical data points continuously and automatically, to shape your decisions instantly

The Active Analytics Platform for the Extreme Data Economy

The Fourth Industrial Revolution is predicated on data. Success depends on recognizing data as the most valuable corporate asset. From smart cities to autonomous vehicles, logistics to retail, finance to healthcare, organizations that build smart, analytical applications to make data-driven decisions instantly shape markets, threaten incumbents, and drive new business models centered around data. The Kinetica Active Analytics platform dramatically simplifies the architecture to deliver essential smart analytical applications at massive scale.

Traditional approaches to analytics (passive analytics) were designed before the rise of the Internet of Things (IoT), artificial intelligence, and location intelligence. Businesses are left with assorted analytics technologies that struggle to align and apply advanced analytical techniques effectively. The cloud-ready platform unites the key elements of active analytics: historical analytics, streaming analytics, graph analytics, location intelligence, and machine learning-powered analytics. Enterprises use the platform to build smart analytical applications that assess and act on data instantaneously.

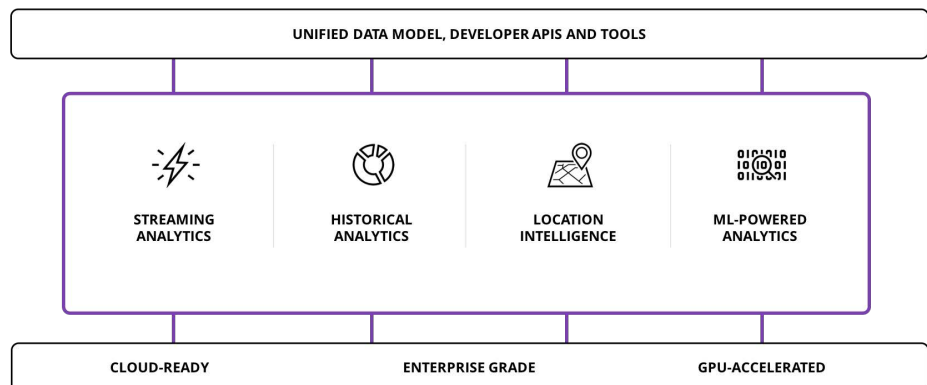
The Kinetica Active Analytics Platform runs on servers equipped with NVIDIA GPUs as well as NVIDIA DGX systems. With Kinetica you can combine and analyze billions of live and historical data points continuously and automatically, to shape your decisions instantly.

NVIDIA GPU-accelerated analytics and interactive visualization solutions provide deeper insights, enable dynamic correlation, and deliver predictive outcomes at superhuman speed, accuracy, and scale.

GPU Cloud - Accelerated Innovation for Analytics and High-Performance Computing

NVIDIA GPU Cloud (NGC) is a GPU-accelerated cloud platform optimized for analytics and high-performance computing by managing a catalog of fully integrated and optimized containers that take full advantage of NVIDIA GPUs on-premises or in the cloud. NGC provides researchers and data scientists with simple access to a comprehensive catalog of GPU-optimized software tools. The Kinetica Active Analytics Platform is available for download from NGC.

KINETICA ACTIVE ANALYTICS PLATFORM



The Kinetica Active Analytics Platform

A unified platform for streaming and historical analytics, location intelligence, and machine learning so you can build smart analytical applications that leverage data for real-time insight.

GPU-Accelerated Database

At its core is a distributed, in-memory GPU-accelerated database that utilizes the full processing power of CPUs and GPUs to analyze massive, complex datasets with millisecond response times.

Location Intelligence

Leveraging the power of GPUs, Kinetica is especially well suited for location intelligence, bringing your geospatial and business data together under one roof. The platform is designed from the ground up to deliver interactive geospatial analysis at unprecedented scale, blending your streaming and historical location-enabled business data on-demand.

Machine Learning-Powered Analytics

With a “Bring Your Own Algorithm” approach, organizations can embed machine learning and advanced algorithms into their active analytical applications without the headache of complex data engineering, migrating data between disparate systems.

Cloud-Ready

The platform’s cloud-ready architecture delivers high availability, push button deployments, cloud elasticity, and auto scaling across public and private cloud infrastructure.

Smart Applications

With Kinetica, developers have all of the tools they can leverage in a single platform to meet all of their project requirements.

Best-in-Class Innovation Ecosystem

Kinetica partners with with leaders in GPUs, hardware, cloud, machine learning, and visualization to enable you to build active analytical applications that power your business.

Recommended Hardware



NVIDIA GPU processors can be used on industry-standard servers including those from IBM, Dell, HPE, and Cisco.



For more information on the Kinetica Active Analytics Platform, visit kinetica.com

Kinetica and the Kinetica logo are trademarks of Kinetica and its subsidiaries in the United States and other countries. Other marks and brands may be claimed as the property of others. The product plans, specifications, and descriptions herein are provided for information only and subject to change without notice, and are provided without warranty of any kind, express or implied. Copyright © 2019 Kinetica