

Decooda Liquid Data Platform

The Future of Big-Data Analytics



Liquid Design for Changing Big-Data Needs.

For some it may be the rapid query and analysis of large structured data. For others it may be the analysis and mining of large volumes of unstructured data. With a whole host of options to choose from, the landscape is steadily increasing in complexity.

The big-data solutions available today have either been purpose-built to address a specific big-data need or modified to support a domain for what it was not intended. You can see this very clearly as systems designed to analyze structured data are now creating hooks to the unstructured world. Likewise, you see systems designed for batch processing adding layers in order to support near real-time query response.

There is no doubt that systems should be adapted to support current needs and future opportunities but the big-data market has been a moving target. If you were to design a platform from the ground up knowing what we know now, the existing products may look nothing like they do today.

[Decooda's Liquid Data Platform](#) has been developed from the ground up in a modern language that exploits multi-core processors efficiently. Our event-based actor model is proven to scale above and beyond traditional threaded architectures providing optimization

and massive parallelism at the core foundational level. Big-data solutions created on top of the Decooda's Liquid Data Platform support massive parallel processing at the lowest level and provide massive scalability without limitation.

If you ask a dozen people
what "Big-Data" means,
you will very likely receive
a dozen different answers.

Decooda's Liquid Data Platform is a platform by which big-data solutions are created. At the heart of Decooda's platform is an extensible MPP architecture that is easily installed on a cluster of commodity boxes and highly extensible through the use of purpose built droplets. These re-usable droplets extend the functionality of the Decooda Liquid Data Platform and are automatically parallelized by the underlying architecture.

As we look forward, we see the development of the Decooda Liquid Workbench, enabling the rapid creation, and deployment of droplets to the "Decooda Droplet Exchange". Much like the app-store, the Droplet Exchange will allow end-users to license and utilize these domain specific droplets within their own Liquid Designs.



By taking the complexity out of big-data processing and by creating the Decooda Droplet Exchange, the use cases for the Decooda Liquid Data Platform are endless.

“As the community develops an ecosystem of plugins addressing specific domains, Decooda’s Liquid Data Platform will become the obvious choice by which complex big-data problems are solved.”

On the horizon is seamless integration with High Performance Graphics Processing Units (GPUs) that will turbo charge even the most demanding algorithms as well as a data accelerator to overcome well known challenges related to big-data I/O.

To support Decooda’s vision for social media analytics, we needed to develop our own real-time big data platform. ***With 2.5 quintillion bytes of data being created everyday the opportunity to develop advanced analytics is endless.*** We understand that in order to capitalize on future opportunities we needed to make an investment in our foundation today.

About Decooda

Decooda delivers the facts that inspire every level of an organization to embrace a culture of aligning to the needs of the customer to understand each customer's state-of-mind in real-time.



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