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Lambda Transformations proposes an Integrated Analytics Platform with MicroServices and Big Data ecosystem.

October 17, 2017 | Vasista Polali, Founder & Head of Engineering.

Our partners:

HORTONWORKS®

With the Motto "Big data for all!" We make your data work at Rocket Speeds with Mission Control precision.

"Why do we need a Big Data architecture ,when we don't generate a lot of data?" This a typical question posed to organizations like us by potential clients and for sure, often debated internally by the proposers and the opposers of the idea.Well,In Big data size should not always matter.3 V's or Velocity, Variety and Volume are the cornerstones of any Big data system, which are also mutually exclusive. As long as any organization has a need to fulfill any one of the properties, there is a need for it to adapt Big Data and launch itself into the Digital age that has caught on.

We at Lambda Transformations believe in integrating the best of all worlds. Micro services is such an other concept that Lambda Transformations believes has a lot of potential and has the vision of integrating the best of both the worlds of Big Data and Micro services to build a customized-cutting edge platform that would give our clients a decisive edge over it's competitors.
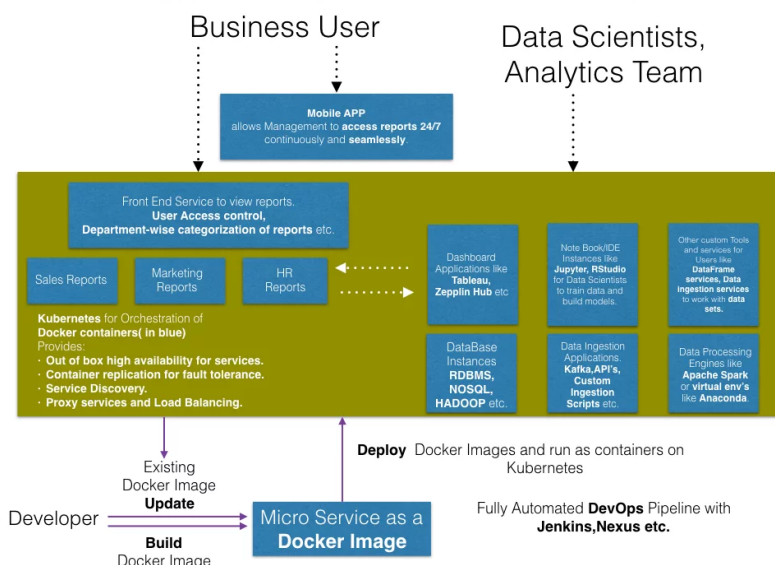
Following is a customized architecture for your organization to build an Integrated Analytics MicroServices and Big data ecosystem Platform using Docker and Kubernetes or any other similar containerized environments, what ever your preference may be.
LambdaTransformations has the expertise, experience and dedication towards its clients to help achieve your goals and move towards DevOps and a truly Integrated Enterprise level architecture that is robust in design ,inexpensive to develop, easy to scale and maintain, and also one which provides exponential ROI at the same time.
The software domain is currently over crowded with terminologies and concepts, each promising to do something different ,or do the same thing in a different way.But even in this congested arena one Paradigm that is making Software strategists take notice and gaining momentum is Micro Services. Essentially, Microservice architecture is a method of developing software applications as a suite of independently deployable, small, modular services in which each service runs a unique process and communicates through a well-defined, lightweight mechanism to serve a business goal.

An Integrated Analytics Platform with Micro Services.

Imagine, making all your services fault tolerant, highly available , platform independent, no more "works on my machine" problems, and at the same time scale up and down without a seconds

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down-time.On top of of this, it is all open source and can be executed in project delivery speeds hitherto unimaginable seamlessly and without any disruption to the current operations.
Yes, thats a dream come true.Enterprises are using Docker, Rocket, Kubernetes, Apache Mesos etc. to build agile software delivery pipelines to ship new features faster, more securely and with confidence for both Linux, and Windows Server apps.
Docker is the world's leading software container platform.All of your applications will run in individual containers with their own runtime environment and dependencies packaged together.Built once, it can be run in any environment, no more "works on my machine" problems. Operators can use these containers to run and manage apps side-by-side in isolated containers to get better compute density.Running in isolated containers means problems in a part of the service will not crash the entire application and render it unavailable.
Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications.It groups containers that make up an application into logical units for easy management and service discovery.For enhancements all that developers have to do is rebuild the image with the latest code and voila! the changes take affect almost instantly across all instances of your service.

We at LambdaTransformations feel this model to be a good fit for you and look forward to partner with you to build a robust platform that will make your analytics cutting edge.

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