An Overview of MapR's Converged Data Platform
&
Cost Effective Data Archiving and Reporting with Big Data Tools and the Cloud
February 14th 2017

Introduction to MapR Converged Data Platform (Karl Harrocks, MapR)

- MapR Converged Data Platform
  - MapRFS, MapR DB, MapR Streams – Solution Overview
  - Why MapR is Different – MapR was engineered for the data center with IT operations in mind. MapR enables big data apps using Hadoop, Spark, and more to serve business-critical needs that cannot afford to lose data, must run on a 24x7 basis, require immediate recovery from node and site failures – all with a smaller data center footprint. MapR supports these capabilities for the broadest set of data applications from batch analytics to interactive querying and real-time streaming.
- MapR Use Cases – In Production
  - Use Case #1 - Exploration and production optimization, identify new revenue yielding opportunities and maximize revenue from existing sources

  - Use Case #2 - Avoid oil well failure to reduce costly downtime, predictive analytics on oil well operations enabling proactive repairs prior to failure

  - Use Case #3 – Smart Meter Analytics, make more accurate operational decisions including smart meter data

Cost Effective Data Archiving and Reporting with Big Data Tools and the Cloud (Tim Morgan, Sullexis)

Learn how Sullexis helped a large oilfield services company rapidly archive structured and unstructured data from 5 different ERP systems into one unified view. Leveraging the client's existing BI tools for compliance, regulatory and operational reporting.

MapR Demo (JC Romanda, MapR)

Data Exploration and BI with Apache Drill

Apache Drill is an open source, low-latency query engine that delivers secure and interactive SQL analytics at petabyte scale. With the ability to discover schemas on-the-fly, Drill is a pioneer in delivering self-service data exploration capabilities on data stored in multiple formats in files or NoSQL databases.

In this demo, see how Drill on the MapR Converged Data Platform is extremely easy to get started and seamlessly connects with existing BI tools.

Bios

Karl Harrocks, is the Regional Sales Director for MapR in Houston. He has been in Information Technology for over 20 years. With a broad business and technology acumen, Karl has been helping companies' lower operational costs while delivering new critical business insights, working across multiple industries but with Line of Business focused solutions such as Non-Productive Time mitigation, E&P Optimization, Supply Chain Optimization, Inventory & Asset Management, Workforce Analytics, Office of Finance and Customer 360°.

Karl has been working nationally across the United States but resides in Houston since emigrating from the UK to Houston in 2009.

Tim Morgan, is the Managing Director of Sullexis, which he co-founded in January 2008. He is passionate about how organizations and individuals can use data to make better decisions, drive productivity and accelerate performance. While his forte is in understanding how data can be used to provide key insights across a number of different domain areas, Tim has significant upstream oil and gas experience. He has spent, consulted, planned and executed data solutions that cover a wide range of functional areas from Production Accounting/Allocation through to Finance, Procurement and Operations. This activity has taken him to Alaska, Brazil, the Caribbean, the Gulf of Mexico, Latin America and the North Sea.

Tim is a past Vice Chair of the American Petroleum Institute's Petroleum Industry Data Exchange (PIDX) committee, and a graduate in Electrical and Electronic Engineering from the Polytechnic of Wales.

JC Romanda
JC Romanda, is a Sr. Systems Engineer for MapR based in Houston with a focus on solutions for the Oil & Gas industry. He is passionate about helping organizations to use tech006Eology to make better and faster decisions with their data to optimize operations and drive efficiency. JC has extensive experience as a developer and architect building complex, mission-critical applications across various industries and as an IT services and system integrator, he has consulted and executed solutions for startups as well as numerous Global and Fortune 500 companies. His interest in IoT and Big Data began during his role as the Mobile Architect for Onboard Computing Systems at Waste Management while collecting and analyzing data for the North American fleet of 20,000 trucks.

JC has a degree in Mechanical Engineering from the University of Dayton.