MapR + Teradata =
Best-In-Class Big Data Analytics

At-a-Glance

Teradata is the world's largest company focused on analytic data solutions through integrated data warehousing, big data analytics, and business applications.

Product Snapshot

- Appliances and platform family
- Enterprise data warehousing
- Advanced data management on Hadoop
- Active intelligence
- Integrated analytics

Solution Highlights

Enterprise-Grade

- Fully-automated high availability
- Meets enterprise SLAs with snapshots, disaster recovery, and rolling upgrades

Interoperability

- Full read/write file-system
- Full POSIX NFS—open APIs
- ODBC and JDBC interoperability

True Multi-Tenancy

- Volumes, quotas
- Data and job placement control

Security

- Kerberos, non-Kerberos, LDAP and PAM standards
- H/W accelerated encryption

Performance

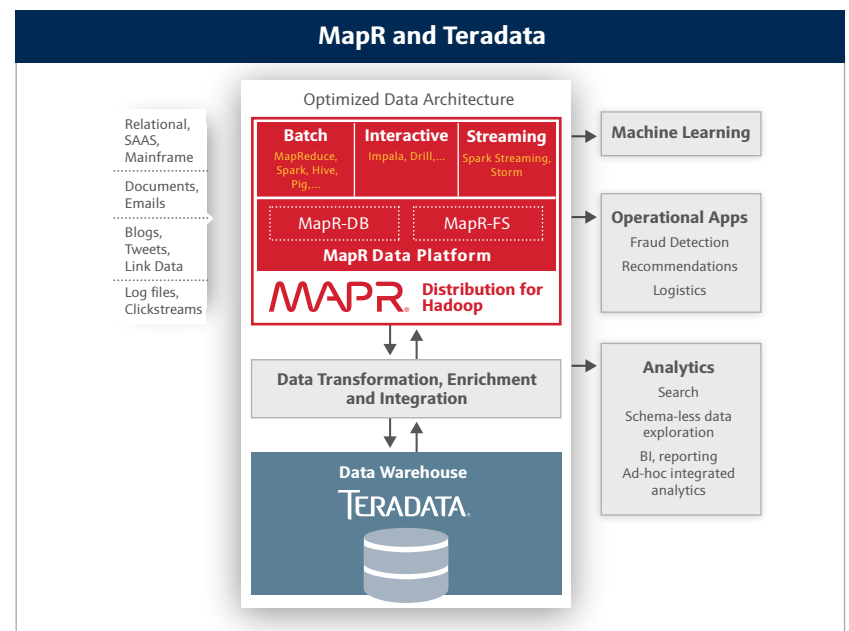- World-record performance for Hadoop
- Fastest In-Hadoop NoSQL DB

Scalability

- Support >1 trillion files and tables
- Largest financial services and retail customer deployments with 2000 nodes

Big Data Analytics and Operations with Massive Scalability

Hadoop and the data warehouse are complementary when the right products for right use-case are chosen. A careful selection of the right products for the appropriate use cases can ensure "best-in-class" results.

MapR and Teradata have partnered to deliver the top-ranked, enterprise-grade Hadoop distribution with the industry-leading data warehouse platform to address business-critical use cases. MapR shares a best-of-breed view on workload-specific systems, and fully supports the Teradata Unified Data Architecture (UDA). The joint solution provides an optimized approach to data warehousing and analytics. According to Gartner, "The hype around replacing the data warehouse gives way to the more sensible strategy of augmenting it … The influence of the logical data warehouse has created a situation in which multiple repository strategies are now expected."[1]

Robust Architecture

The MapR Distribution including Apache Hadoop provides enterprise-grade, reliable data staging, processing, and flexible programming/analytics along with SQL on schema-less data. Teradata delivers best-in-class SQL support and performance, user concurrency, fine-grained security, data quality and governance.

Working in unison, Teradata and MapR enable an optimized data architecture that lets you move raw data in Hadoop using NFS, with no special APIs required. You can explore data instantly in Hadoop with Apache Drill, find new insights, and then load into Teradata for enterprise reporting and BI with standard SQL and high user concurrency. In addition, MapR provides unique in-Hadoop NoSQL database capabilities for operational analytics such as fraud detection and prevention, event processing, and real-time customer targeting.

MapR and Teradata

Best-in-Class Performance and Scalability

MapR and Teradata bring together the power of two "best-in-class" enterprise-grade architecture solutions. MapR provides 2-7x higher performance than other Hadoop distributions. And, with its built-in 24x7 high availability, data protection, disaster recovery, and resilience, MapR provides the only truly enterprise-grade Hadoop distribution for Teradata customers. MapR brings many unique features to Teradata customers:

Features	Commodity Apache Hadoop deployment with Teradata	Integrated MapR Hadoop deployment with Teradata
Single multi-tenant Hadoop cluster for multiple groups	○	●
Data protection (consistent snapshots, mirroring, DR)	○	●
Ubiquitous high availability	○	●
Maintain same SLAs for Hadoop as enterprise data warehouse	○	●
Support operational and analytical workloads in system	○	●

The joint solution provides the ingestion of high-speed streaming data, without complex layers of data management and storage limitations. In addition, Teradata Loom®, a solution for effective data and metadata management on MapR Hadoop, empowers business analysts, data scientists, and data engineers to work interactively with data in the MapR Distribution for Hadoop to prepare it for advanced analytics.

About Teradata

Teradata Corporation (NYSE: TDC) is a global leader in analytic data platforms, marketing and analytic applications, and consulting services. Teradata helps organizations collect, integrate, and analyze all of their data so they can know more about their customers and business and do more of what's really important. Visit teradata.com

About MapR

MapR delivers on the promise of Hadoop with a proven, enterprise-grade platform that supports a broad set of mission-critical and real-time production uses. MapR is used by more than 500 customers across financial services, government, healthcare, manufacturing, media, retail and telecommunications as well as by leading Global 2000 and Web 2.0 companies. Investors include Google Capital, Lightspeed Venture Partners, Mayfield Fund, NEA, Qualcomm Ventures and Redpoint Ventures.

Why Teradata on MapR is Unique

Teradata Benefits

More Choices, More Options Putting the right data in the right hands at the right time means higher profits.

Innovative and Powerful Technology We are continually redefining and extending the possibilities of data warehousing.

Enterprise Approach Consolidate disparate data sources for a single, integrated view of the truth.

Experience and Focus Teradata is the global leader of Data warehousing and advanced integrated analytics.

MapR Benefits

Proven Production Readiness Meet stringent SLAs in production deployments with HA, disaster recovery, security, multi-tenancy, and consistent snapshot capabilities.

Top-Ranked Hadoop Distribution Give end users the responsiveness they need with the distribution for Hadoop that provides the highest throughput and lowest latency.

Unified Big Data Capabilities Handle all types of analytical and operational workloads in a single cluster.

Try MapR Today!
Get the MapR Sandbox for Hadoop. A fully functional Hadoop cluster running on a virtual machine. Visit www.mapr.com/sandbox