Transforming Business in Real Time Through Data-Driven Insights

Solution Brochure

In collaboration with MAPR

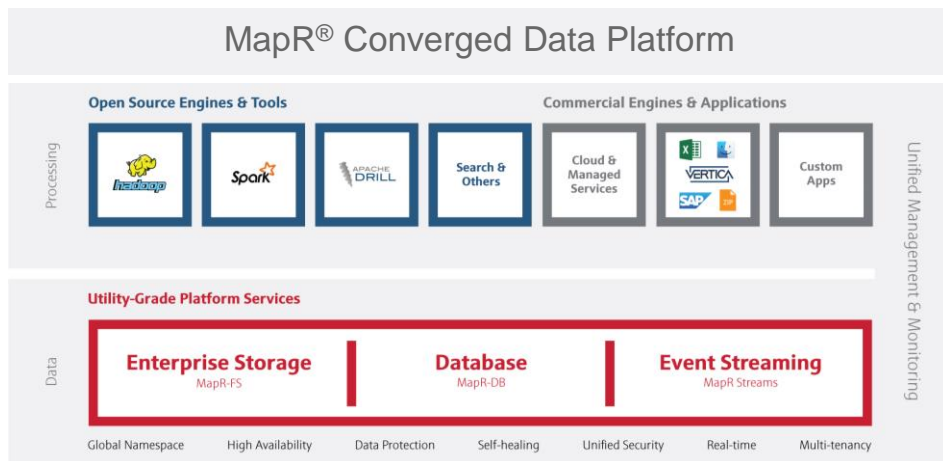# Data Is the Foundation of Digital Business

The strategic use of data is changing. Businesses now use data to make decisions in real time, course-correct faster, and maximize system automation. Organizations that successfully use their data will transform their business and lead their industries.

The problem is making sense of data; structured, semistructured, and unstructured data. Your business needs an analytics-ready infrastructure and a converged data management solution.

But Businesses Don't Harness All of Their Data

With the MapR Converged Data Platform, you'll combine 100% of your data to gain business insights and affect business as it happens.

Integrate the power of Hadoop and Cisco Spark™ with global event streaming, real-time database capabilities, and enterprise storage.

MapR® Converged Data Platform

Processing

Open Source Engines & Tools

hadoop | Spark | APACHE DRILL | Search & Others

Commercial Engines & Applications

Cloud & Managed Services | VERTICA SAP | Custom Apps

Data

Utility-Grade Platform Services

Enterprise Storage MapR-FS | **Database** MapR-DB | **Event Streaming** MapR Streams

Global Namespace | High Availability | Data Protection | Self-healing | Unified Security | Real-time | Multi-tenancy

Unified Management & Monitoring

Support Your Mission-Critical Workloads with Ease

Organizations with the most demanding production needs—including for fraud prevention, for better healthcare, for threat detection, and for improved customer experiences—run on Cisco UCS® with MapR.

Together, Cisco and MapR deliver

Unmatched Performance

Simplified Management

Superior Flexibility

Cisco UCS Integrated Infrastructure for Big Data + MapR Converged Data Platform

Unmatched Performance

Deploy the MapR and Cisco joint solution that is twice as fast as any other Hadoop solution.

1.5 TB of data sorted in under a minute by MapR[1]

12.5x performance increase in data center[2]

34% faster database performance than competitors[3]

Simplified Management

Take advantage of unified management for computing, networking, and storage.

60+ reporting metrics with Cisco UCS Manager[4]

84% reduction in server provisioning time[5]

61% reduction in management costs[6]

Superior Flexibility

Support many use cases and easily scale for any size of Hadoop cluster.

3- to 6-week deployment with Quick Start solutions[7]

320 servers running on a single data center rack[8]

5x ROI achievable through data analysis[9]

1. https://www.mapr.com/why-hadoop/why-mapr/enterprise-platform
2. http://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/big-data/mapr-quantum-ucs.pdf
3. Cisco UCS Performance Brief 2014
4. https://www.mapr.com/sites/default/files/mapr021_tech-brief_multi-tenancy_w_mapr.pdf
5. CITO Optimized Data Engineering White Paper 2014
6. AAG Cisco UCS and Platfora 2015
7. https://www.mapr.com/solutions/big-data-and-hadoop-quick-start-solutions
8. Cisco M-Series Modular Server Datasheet 2015
9. https://www.mapr.com/company

CISCO

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msa Management Science Associates, Inc.

Challenge: Manage growing data demands, increase customers' revenue with quicker insights, and reduce infrastructure costs.

Results

1TB
of data sorted across 8 nodes in 16 minutes

66%
reduction in server provisioning time

" **We knew that Cisco and MapR would be in lockstep…they are aligned with each other and our business.** "

Karl Herleman,
Vice President of Information Technology

QUANTIUM

Challenge Develop innovative services, perform rigorous analytics, and improve software and hardware capabilities.

Results

92%
reduction in query time with improved accuracy

30%
reduction in time spent managing data clusters

" **With the Cisco and MapR platform, Quantium has positioned itself to stay well ahead of our competitors for the foreseeable future.** "

Alex Shaw,
Head of Technology Operations

LIAISON®

Challenge Ensure high availability, maintain compliance with healthcare regulations, and increase server performance.
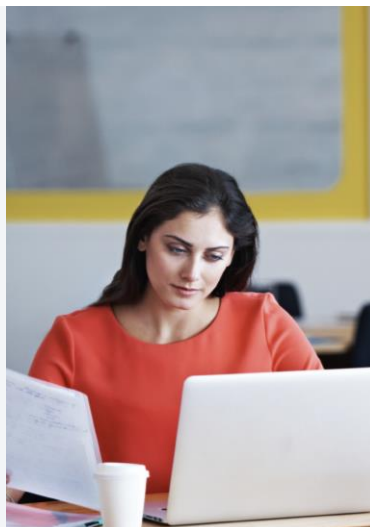
Results

80x
improvement in infrastructure performance

99.999%
uptime since solution deployment

" **We chose Cisco UCS because of its dense form factor…and MapR gives us iron-clad security for our multitenant cloud-based services.** "

Brad Anderson,
Vice President, Big Data Informatics

Thank you

For additional information, contact your Cisco sales rep or visit:
www.cisco.com/go/bigdata

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