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.

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, and 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 MapR¹
- **12.5x** performance increase in data center²
- **34%** faster database performance than competitors³

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

- **60+** reporting metrics with Cisco UCS Manager⁴
- **84%** reduction in server provisioning time⁵
- **61%** reduction in management costs⁶

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

- **3- to 6-week** deployment with Quick Start solutions⁷
- **320 servers** running on a single data center rack⁸
- **5x ROI** achievable through data analysis⁹

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3. Cisco UCS Performance Brief 2014
5. CITO Optimized Data Engineering White Paper 2014
6. AAdz Cisco UCS and Platfora 2015
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, Quantum 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](http://www.cisco.com/go/bigdata)

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