StackIQ Boss Integrated with MapR Gives You Everything That’s Needed to Deploy and Manage Hadoop

Apache™ Hadoop® provides a way to capture, organize, store, search, share, analyze, and compute data from disparate sources across a large cluster of commodity servers. Hadoop is designed to scale up from dozens to thousands of servers, each one offering local computation and storage. MapR Technologies has advanced the Hadoop state-of-the-art with major enhancements that overcome the significant limitations of other Hadoop distributions, making Hadoop more enterprise-grade in its operation, performance, scalability, and reliability, as well as in its ease of integration into the enterprise.

StackIQ Boss manages the day-to-day operation of the entire software stack running on the clusters. It provides heterogeneous hardware support, bare metal OS provisioning, programmatic disk and network management, and an interactive Hadoop management system. In other words, StackIQ Boss manages all of the software that sits between bare metal and a cluster application like Hadoop. Cluster configuration parameters are kept in a dynamic database, which is used for machine configuration, software deployment using a unique BitTorrent-like Avalanche peer-to-peer installer, management, and monitoring.

StackIQ Boss, in combination with MapR, offers the most efficient and easiest way to get your Hadoop cluster up and running. This powerful combination ensures that your big data project will be deployed faster and with greater success.

StackIQ at a Glance
Today, companies of all sizes analyze vast quantities of data with Hadoop to obtain better forecasting, clearer competitive analysis, and many other benefits. StackIQ has developed a Pallet for MapR, which is a module that connects StackIQ Boss to the MapR Distribution for Hadoop. The StackIQ Pallet for MapR combines groundbreaking, unified big data platform with the industry-leading infrastructure management solution from StackIQ to create an enterprise-grade Hadoop solution that includes everything you need to install, configure, deploy, and manage your Hadoop cluster—right from bare metal.

Key Features
- Integrated lifecycle management of the entire cluster—not just the Hadoop layer
- Flexible, automated system configuration for all commodity hardware
- Script-free configuration and deployment
- Peer-to-peer Avalanche installer
- Disk and network management
- Extensibility via Pallet framework
- Includes all MapR modules, including MapR-FS, MapReduce, Pig™, Hive™, HBase™, ZooKeeper, and more.
- Integration of Ganglia and Hadoop metrics
- System Utilization Dashboard
- Asset Management Dashboard
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With StackIQ Boss and MapR, you won’t be left on your own to deal with any aspect of your Hadoop cluster. Everything is included, from the operating system to the full suite of services from MapR:

What’s Included

StackIQ Boss

MapR Distribution including Hadoop

CentOS Linux or Red Hat Enterprise Linux*

Installation and configuration consulting services

*Available separately from Red Hat, Inc.

About StackIQ

StackIQ helps customers build, run, and manage large distributed systems and private cloud infrastructure with a complete automation platform. To date, the company has helped over 150 organizations automate over 1 Million Linux servers thereby removing over 560 years worth of manual installation and configuration tasks. Learn more about us at www.StackIQ.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 brings unprecedented dependability, ease-of-use and world-record speed to Hadoop, NoSQL, database and streaming applications in one unified distribution for Hadoop. MapR is used by more than 700 customers across financial services, government, healthcare, internet, manufacturing, media, retail and telecommunications as well as by leading Global 2000 and Web 2.0 companies. Amazon, Cisco, Google, Teradata and HP are part of the broad MapR partner ecosystem. Investors include Google Capital, Lightspeed Venture Partners, Mayfield Fund, NEA, Qualcomm Ventures and Redpoint Ventures. MapR is based in San Jose, CA. Connect with MapR on Facebook, LinkedIn, and Twitter.

StackIQ Benefits

Build Scale-Free Applications

Reduced times to production. Set key parameters, then sit back and let the parallel Avalanche installer build your Hadoop cluster right from bare metal. There is no faster way to go from pallet to production.

Ease of operation. StackIQ Boss provides all the tools you need to keep the cluster healthy and operating efficiently.

Best of breed. The integration between StackIQ Boss and MapR allows users to leverage best-of-breed tools at each layer of the stack, providing users greater uptime, efficiency and performance.

Extensibility. Modular architecture lets you customize your cluster to suit your particular needs. The StackIQ platform allows for the management of any application in your big data environment through the Open Source Rocks framework. A wide variety of software components are readily available or you can build your own.

Reduced time to scale. When it’s time to scale out your cluster, StackIQ Boss makes it easy. Since the deployment and management engines were designed for scale, expanding your cluster or creating new ones at other locations is straightforward. No scripts to edit. No configuration guesswork.

Try MapR Today!

Get the MapR Sandbox for Hadoop, a fully functional Hadoop cluster running on a virtual machine. Visit mapr.com/sandbox