StackIQ Cluster Manager for Big Data

Organizations of all types are moving to deploy Hadoop and NoSQL solutions to gain a competitive edge. And the market has responded, offering a range of software solutions to choose from. But they all have one thing in common – they lack a comprehensive management suite. Some vendors offer no management, while others offer partial solutions. Today's enterprise data center operations require more than a partial solution to operate effectively. That's where we come in. StackIQ Cluster Manager provides an integrated solution that comes with everything needed to automate the deployment and management of Hadoop and NoSQL Clusters — from bare metal all the way to a working system.

WHAT IS STACKIQ CLUSTER MANAGER FOR BIG DATA?

StackIQ Cluster Manager brings enterprise-class cluster management to Big Data. It's designed from the ground up to deploy and manage large-scale cluster infrastructure. It combines StackIQ's industry-leading cluster management solution with our Hadoop management software providing everything you need to install, configure, and manage your Hadoop cluster — right from bare metal. StackIQ Cluster Manager makes it easier than ever to build a robust, production-grade, Big Data cluster that can reside in any enterprise data center.

KEY FEATURES

- Complete lifecycle management of the entire cluster — hardware, operating system, network, Hadoop and NoSQL software
- Supports popular Hadoop and NoSQL distributions
- Flexible, automated system configuration for all commodity hardware
- Script-free configuration and deployment
- Peer-to-peer Avalanche installer
- Disk and network management
- Extensibility via the "Rolls" framework
- Integration of Ganglia and Hadoop metrics

Reduced time to production —
Choose the software you want, 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 Cluster
Manager for Big Data provides all the
tools you need to keep the cluster
healthy and operating efficiently.
Competing products do not integrate
Hadoop management and cluster
configuration and deployment.
StackIQ Cluster Manager handles your
complete cluster environment from
a single pane of glass, providing our
users greater uptime, efficiency, and
performance.

Extensibility — Modular architecture lets
you customize your cluster to suit your
particular needs. Our 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 Cluster
Manager 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.

Choice — Choose your favorite
distribution from Hortonworks, MapR,
Cloudera, or Apache Hadoop —
StackIQ can handle them all.

SOLUTION COMPONENTS

With StackIQ Cluster Manager, you won't be left on your own to deal with any aspect
of your Big Data cluster. We include everything "in the box" to support the Hadoop or
NoSQL distribution of your choice.

- StackIQ Cluster Manager
- Apache Hadoop
- StackIQ Hadoop Manager
- CentOS Linux or Red Hat Enterprise Linux*

SUPPORT

An enterprise-grade solution needs enterprise-grade support. That's why StackIQ
Cluster Manager features full support for the management platform.

Standard Support Subscription — Standard Support assists organizations during the
proof-of-concept, staging, and deployment phases. Included are configuration and
installation questions, explanation of routine maintenance, diagnosis of system issues,
and any bug fixes or patches that may be necessary. Standard Support subscriptions
are intended for environments that are not mission-critical.

Enterprise Support Subscription — Enterprise Support includes all of the support
coverage from Standard Edition plus the ability to contact StackIQ Support via email
or phone, 24x7 with up to one-hour response times for mission critical production issues.

StackIQ