



Partner Brief

## A Complete Solution to Deploy and Manage Hadoop



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 the StackIQ Roll for Hortonworks, which is a module that connects StackIQ Cluster Manager

to Apache Ambari and Hortonworks' Hadoop distribution. This combines Hortonworks Data Platform with the industry-leading infrastructure management solution from StackIQ to create a Hadoop solution for the enterprise. It includes everything you need to install, configure, deploy, and manage your Hadoop cluster — right from bare metal.

StackIQ Cluster Manager 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. In other words, StackIQ Cluster Manager 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.

Combined StackIQ Cluster Manager and Hortonworks Data Platform are powerful tools that offer the most efficient and easiest way to get your Hadoop cluster up and running. This combination means you can be sure that your Big Data project will be deployed faster and with greater success.

## Features of Combined Solution

**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**

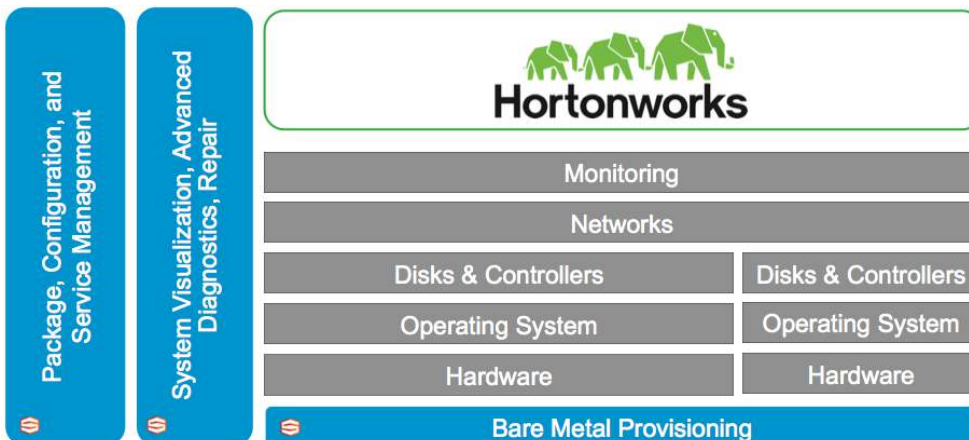
**Extensibility via “Rolls” framework**

**Includes all Hortonworks Data Platform modules**

**Integration of Ganglia and Hadoop metrics**

**System Utilization Dashboard**

**Asset Management Dashboard**



## Benefits of Combined Solution

- **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**

The StackIQ management software provides all the tools you need to keep the cluster healthy and operating efficiently. StackIQ Cluster Manager manages the complete cluster environment from a single pane of glass.

- **Best of breed**

The integration between StackIQ Cluster Manager and Hortonworks Data Platform allows users to leverage best-of-breed tools at each layer of the stack, providing our users greater uptime, efficiency and performance.

- **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

*"We are proud to be a Hortonworks Certified Technology partner," said Tim McIntire, CEO and Co-Founder, StackIQ.*  
*"Hortonworks Data Platform combined with our cluster management software make the job of maintaining a robust, enterprise-grade Hadoop cluster more efficient than ever."*

## StackIQ - a Certified Technology Partner

StackIQ is a Certified Technology Partner on Hortonworks Data Platform (HDP). The Hortonworks Certified Technology Program reviews and certifies technologies for architectural best practices, validated against a comprehensive suite of integration test cases, benchmarked for scale under varied workloads and comprehensively documented.

## For additional questions, contact:



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### About Hortonworks

Hortonworks develops, distributes and supports the only 100-percent open source distribution of Apache Hadoop explicitly architected, built and tested for enterprise-grade deployments.



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