

Solution Brief: Migration Services for Hortonworks[®] Data Platform

Migrating to HDP: As Simple as 1-2-3

IBM and Hortonworks' expanded partnership is delivering increased benefits for CIOs, CDOs, CDAOs and their respective organizations, extending data science and machine learning across the Apache Hadoop[®] ecosystem. IBM's adoption of Hortonworks Data Platform (HDP) for Hadoop Distribution is accelerating migrations from IBM BigInsights[®] to HDP. As a result, many IT organizations are challenged with transitioning between Hadoop versions.

While these migrations can be difficult, ViON[®]'s Big Data Team has proven experience migrating complex environments, minimizing and even eliminating downtime and disruption. A successful Hadoop cluster migration includes a minimum of three phases:



PLANNING



STRATEGY
DEFINITION



IMPLEMENTATION

We understand the impact migration will have on our customer's development, operations and business and create custom plans to support their unique requirements. Where downtime is permitted, removing existing Hadoop distributions can be easily accomplished. Where disruption is not an option, tools like IBM's Big Replicate allow the data transfer to take place while operations in both the old and new clusters continue as usual.

Solutions and Services You Can Rely On

The ViON team consists of seasoned architects, engineers, big data integrators and data analysts, as well as industry leading experts in Hadoop. Our team provides the capability to expand beyond the base platform and implement a completely customized solution when needed, and we can help migrate IBM applications like Big SQL, BigIntegrate and Big Quality to Hortonworks.

The ViON Experience

Experience, Expertise, Solutions

- Decades serving government and commercial customers
- Over 37 years of data center infrastructure expertise
- Strategic OEM partnerships to offer the most innovative technology in the market
- Industry certified and cleared engineers
- 24/7/365 support center, 100% cleared, 100% U.S.-Based
- Veteran-owned, privately held company

The Right Choice for HDP Migrations

The ViON team works with you to plan, design and implement the successful migration of your systems. Using proven processes and methodologies, we work to fully understand the technical and operational requirements for building and executing the right integration strategy for your environment.

ViON Migration Process:

- Review & Assessment
 - Examine the current cluster topology
 - Detail network and firewall configurations
 - Review existing Apache Hadoop installation, configurations and applications
 - Identify client-specific customizations and settings
- Planning
 - Define future state topology, host and/or database changes
 - Create HDP configurations
 - Establish detailed migration plan, including tasks, owners and dependencies
 - ViON can provide Disaster Recovery set-up service as well as in-place migration with no downtime, using Falcon (Open Source Service) or IBM Big Replicate (Licensed)
- Execution
 - Migration plan dry run walkthrough
 - Pilot migration
 - Production migration
 - Supporting environment(s) migration/integration
- Transition
 - Finalize relevant documentation or knowledge-transfer

ViON offers a portfolio of managed services for our DataAdapt platform that puts ViON Hadoop experts to work for day-to-day operations, remote monitoring, performance tuning and technical architecture support.

ViON has the experience and skills to ensure the security of your information while migrating your Hadoop distribution, minimizing disruption to your operation. We work with our customers to identify optimal times to perform cutover, such as scheduling migration activities during maintenance windows – overnight, on weekends or over holidays.

About ViON

Designing and implementing innovative solutions that meet dramatically changing IT requirements is ViON's mission. With over 37 years experience, we've grown from a small product reseller into a leading systems integrator. We focus on data management, so you can focus on your organization's success. We're on the leading edge of Information Security, Cyber Advanced Analytics and Cloud.

Contracting with ViON will give you peace of mind that your Hadoop distribution migration to HDP will be completed on time and within budget, while freeing up your staff to stay focused on your core business.

For more information, please contact our sales team at sales@vion.com or visit vion.com.



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