

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, Big Integrate and Big Quality to Hortonworks.

The ViON Experience

Experience, Expertise, Solutions

- Decades serving government and commercial customers
- More than 40 years of data center infrastructure expertise
- Strategic OEM partnerships to offer the best technology in the market
- Industry-certified and cleared engineers
- U.S. based support center with cleared personnel
- 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.

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.

About ViON Corporation

ViON Corporation is a cloud service provider with over 40 years' experience designing and delivering enterprise data center solutions for government agencies and commercial businesses. The company provides a large portfolio of IT as-a-Service, including infrastructure, multi-cloud and artificial intelligence (AI) solutions. Focused on supporting the customer's IT modernization requirements, ViON's Enterprise Cloud is changing cloud management for the market, providing a streamlined platform to audit and control technology in an evolving multi-cloud world. The ViON Marketplace® allows customers to research, compare, procure and manage a full range of everything as-a-Service solutions from leading manufacturers via a single portal. ViON delivers an outstanding customer experience at every step with professional and managed services, backed by highly-trained, cleared resources. A veteran-owned company based in Herndon, Virginia, the company has field offices throughout the U.S. (vion.com).



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