RAPIDLY DEVELOP, SECURE AND DEPLOY BIG DATA APPLICATIONS

Data streaming in from billions of sources can provide predictive insights into customers, business risks and operational efficiencies. But how can you cost-effectively analyze data from information silos and securely share analytics across your enterprise?

Traditional IT infrastructure lacks the ability to efficiently and securely mine huge volumes of data from multiple sources and in different formats.

To address this challenge, organizations would have to make large, time-intensive upfront investments in software, infrastructure and data science expertise. Other major obstacles include securing the data and ensuring compliance with a rapidly increasing number of government regulations.

FULLY MANAGED AND INTEGRATED PLATFORM

CSC Big Data Platform as a Service™ (BDPaaS) helps enterprises leap over these hurdles and get value from their data much more quickly. With BDPaaS, enterprises can rapidly develop, secure and deploy next-generation big data and analytics applications with a centralized, subscription-based platform that uses leading analytics tools, infrastructure and software.

Deployed in the cloud or in your own data center, CSC BDPaaS enables you to quickly implement a proven configuration of open-source technologies — so you can begin deriving value from your data in fewer than 30 days.

BDPaaS is a fully integrated, scalable bundle that includes big data software, infrastructure, tools and managed services, all billed as part of a unified monthly subscription.

The software includes integrated support for Cloudera, Hortonworks, DataStax, Spark, Pentaho, Qlik, Tableau, R, Python, and more.

CSC BDPaaS simplifies the operational complexity that causes many other open-source big data solutions to fail. And its built-in, multilayer security gives you the peace of mind to extend applications throughout your organization.

MINIMAL-RISK STRATEGY — QUICK RESULTS

BDPaaS can help your organization:

- **Increase Success Rates.** Its purpose-built architecture and self-contained, self-healing and high-availability features allow installers to spin up new clusters of big data software in a matter of hours, automatically configure components and quickly test and verify the results.

**BENEFITS**

- Launch next-gen applications with any combination of ad-hoc, batch and real-time analytics
- Configure software in hours and get insights from data within 30 days
- Integrate structured and unstructured data from any source and in any format
- Ensure multilayer security that manages access down to each data object
- Fully comply with all regulatory requirements, including PCI, HIPAA and ITAR
- Reduce costs with open-source approach and consumption-based pricing
Derive Faster Time to Value. Our flexible service supports quick-start proofs of concept as well as advanced analytic applications. CSC’s approach to implementing a big data application takes weeks, not months — enabling you to integrate structured and unstructured data from any source and in any format to quickly analyze and draw actionable insights.

Reduce Costs Through Open-Source Applications. CSC is a technology-independent provider that has been involved with Hadoop since its creation. With BDPaaS, you can access CSC’s proven reference architectures and best-of-breed solutions that integrate industry-leading open-source technologies.

Protect Data with Multilayer Enterprise Security. BDPaaS dramatically simplifies the challenge of securing your data. You can quickly set role-based access and complex policies to secure not only the application layer, but also individual data objects and cells. Data is encrypted in transit and can be accessed only by authorized users, based on their security clearance level.

Ensure Full Compliance. BDPaaS centralizes the ability to track and audit data management, ensuring that your organization can fully comply with all regulatory requirements such as PCI, HIPAA and ITAR.

Enable Rapid Big Data Application Development. BDPaaS enables your developers to quickly develop, test and deploy applications with any combination of ad-hoc, batch and real-time analytics.

Deliver Real-Time Visibility. The command-and-control dashboard links projects and lets you continuously roll out apps. It gives you real-time visibility into the performance metrics of projects, enabling you to take control of your infrastructure, project configuration, user access and data flows.

Provide Flexible Deployment Options. CSC offers a choice of deployment options to suit different use cases and data protection requirements:

- Public Cloud — Amazon Web Services
- Virtual Private Cloud — CSC data center
- Enterprise Private Cloud — your own or CSC’s data center
- Dedicated Cluster — Dedicated hardware service hosted in your own or CSC’s data center

WHY CSC?

CSC’s big data and analytics expertise can help you assess your needs and apply analytic techniques to reveal new insights for your business. CSC provides:

Extensive Big Data Expertise and Experience. CSC has been working with Hadoop, Cassandra and Mongo since 2011 and has implemented and managed more than 150 big data clusters.

The Only PCI DSS and HIPAA Compliance Certified SI Solution. CSC is the first and only global solutions integrator to meet stringent PCI DSS and HIPAA certification standards with an open-source big data solution.

Integrated Security and Audit Monitoring. Every BDPaaS solution provides comprehensive security activity and audit capabilities out of the box, and can be fully configured with the latest security features.

Real-Time, Streaming and In-Memory Capabilities. CSC offers the broadest set of big data capabilities in the industry, including deep expertise in installing, managing and developing big and fast data analytics.

Take the Next Step Toward Success

To learn more about CSC BDPaaS or to schedule a demonstration, visit [csc.com/BDplatform](http://csc.com/BDplatform) or contact us at [csc.com/contact_us](http://csc.com/contact_us).