Enterprises worldwide are using Hadoop as the foundation for their big data architectures and the amount of data collected continues to grow. However data is only as useful as the available applications. Applications sift through the volumes of information to extract meaningful insights that help increase monetization.

Creating applications for big data can be challenging and requires many different components. Developers have a steep learning curve as they try to learn all the different frameworks associated with data collecting, processing and storage.

Cask Data Application Platform (CDAP) provides an integrated platform that makes it easy to create all the elements of Big Data applications: collecting, processing, storing and querying data. Data can be collected and stored in both structured and unstructured forms, processed in real-time and in batch, and result can be made available for retrieval, visualization and further analysis.

### Features and Benefits

<table>
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<tr>
<th>Applications in Production Quickly</th>
<th>Full Suite of Tools for Management and Operations</th>
<th>Full Life-Cycle Support</th>
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<tr>
<td>Cask’s CDAP product provides a framework that integrates the Hadoop ecosystem components and provides easy to use APIs to developers. Application development is accelerated and time to production is reduced.</td>
<td>Cask CDAP is designed specifically to monitor applications and scale with data processing needs: increase capacity with a click of a button without taking applications offline.</td>
<td>Cask provides application support to developers through the entire cycle of development, debugging, testing and production deployment.</td>
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</table>
Cask in the Modern Data Architecture

Advantages of the Combined Solution

- Framework that provides support for Hadoop environments and integrates the components of the Hadoop ecosystem (YARN, MapReduce etc)
- Abstracted framework that accelerates the development of applications
- Development tools for testing and debugging applications
- Empower developers to create successful big data applications easily

Cask provides an application framework that is ready to use for Hadoop environments.

Cask is a Certified Technology Partner

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.

Hortonworks. We do Hadoop.

Hortonworks is a leading commercial vendor of Apache Hadoop, the open source platform for storing, managing and analyzing Big Data. Hortonworks Data Platform, our distribution of Apache Hadoop, provides an open and stable foundation for enterprises and a growing ecosystem to build and deploy Big Data solutions.

Hortonworks is the trusted source for information on Hadoop, and together with the Apache community, Hortonworks is making Hadoop an enterprise data platform. Hortonworks provides unmatched technical support, training and certification programs for enterprises, systems integrators and technology vendors.

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