IBM dashDB provides data warehousing and analytics service in the cloud

At a glance

IBM(R) dashDB(TM) data warehousing and analytics service allows you to focus on the business, not the business of data warehousing:

- Scalable and clusterable node-based analytics warehouse
- Fully managed in the cloud
- Next-generation, in-memory capabilities
- A design that includes in-database analytics and R support
- Stand-alone or Cloudant(R) Integrated for analytics on any data
- Ability to deploy in minutes with appliance simplicity in the cloud
- Ability to accelerate deployment of analytics and data warehousing with rapid cloud provisioning
- Try-before-you-buy design with free tier offering and multiple plans to meet data needs from gigabytes to terabytes
- High-speed analytics that are made possible with next-generation, in-memory and columnar capabilities with BLU Acceleration
- Ability to gain greater insight with IBM Netezza(R) Analytic algorithms built-in
- Deployment of analytics for Cloudant JSON data at the touch of a button
- Load-and-go simplicity for operational efficiency and ease of use

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Reference: YE001

Overview

dashDB is the IBM data warehousing and analytics service in the cloud. This new innovation leverages the advanced, IBM in-memory capabilities that are pioneered in BLU Acceleration and advanced, in-database, predictive analytics capabilities, which are introduced in PureData(R) System for Analytics (Netezza).

A fully managed service
dashDB keeps data warehousing infrastructure out of your way so you can focus on the business, not the business of data warehousing. A fully managed solution in the cloud, it offers:

- The ability to build more with rapid provisioning and no infrastructure investment
- Built-in performance, no tuning, and embedded simplicity to let organizations grow more without the need to scale infrastructure and staff
- In-database analytic capabilities that let organizations know more about their business and their data

**Multiple deployment options**

dashDB is available as a stand-alone offering, as well as a tightly integrated analytics service with Cloudant. It allows powerful, standard business intelligence (BI) utilities and predictive algorithms to be used with Cloudant JSON data stores.

**Robust partner ecosystem**

dashDB is compatible with advanced tooling like Watson™ Analytics, R, and IBM DataWorks, as well as a wide range of third-party business intelligence and Extract Transformation Load tools.

**Ability to unlock your data and know more quickly**

dashDB is designed to help you unlock the potential of your data by providing a solution that delivers on the promise of speed, simplicity, and agility, without sacrificing security and reliability.

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**Key prerequisites**

- No hardware is required. The solution is deployed in the cloud.
- A reliable Internet connectivity is required.
- Speed of connection required depends on anticipated data movement from on-premises to the cloud and vice versa.
- Use of complementary business intelligence, analytics, and Extract Transformation Load tools is recommended.

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**Planned availability date**

June 29, 2015

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**Description**

**Build more, with rapid cloud provisioning**

Traditional data warehouse environments require significant human and capital resources to keep them running. And that can adversely affect the ability to respond to changing business priorities and demands. dashDB provides a new, agile cloud way of doing things that can augment and modernize your existing data warehouse environment by providing greater flexibility and responsiveness. Because dashDB works with the same tools and apps you already have on-premises, you can easily extend your data warehouse and analytic environment from ground to cloud.

**Grow more, with appliance simplicity in the cloud**

The load-and-go architecture of dashDB requires no tuning. This allows you to focus on the data, the life blood of your business. Today’s data warehouses need to constantly adapt to be able to respond to ad-hoc, train-of-thought queries. dashDB
requires no indexes or other performance tuning crutches for ultimate flexibility. Based on the columnar, in-memory capabilities of BLU Acceleration, dashDB lets you focus on your analytic business applications in a fully managed environment.

**Do more, with advanced built-in in-database analytics**

dashDB includes built-in, IBM Netezza in-database analytic algorithms so you can start to gain insight from your data immediately. Predictive algorithms and geospatial extensions provide the framework for advanced data visualization and analytics - all without moving the data into a separate analytics environment.

**Include deployment models for a wide range of needs**

dashDB can be deployed as a stand-alone offering or as a component of a cloud-based, composable business offering. This premium offering model makes it easy to try dashDB and see if it is right for you. If you need higher-capacity, dedicated infrastructure environments, the enterprise plan may have you covered.

If you are a Cloudant user who is looking to do analytics on your Cloudant JSON data, you can deploy dashDB directly from the Cloudant administrative UI and automatically synchronize your JSON data into a structured, relational form. You can use standard business intelligence and analytics tools to gain insight, or even bring in data from external sources to complete your analysis. dashDB is the only in-memory analytic database that is tightly optimized for use with Cloudant.

**The hybrid cloud**

dashDB supports hybrid data infrastructures within an enterprise, allowing database users to utilize the same tools and applications for their on-premises data warehouse with dashDB in the cloud. Moving data from the ground-based on-premises systems to cloud infrastructure in dashDB makes it easy to move data between the two technologies and extend your data warehouse to the cloud.

**Who should use dashDB ?**

dashDB is ideal for anyone looking for greater agility and enterprise analytic capabilities with appliance simplicity in the cloud. This could include database administrators, data scientists, line of business directors, or anyone needing to deploy analytics at the push of a button.

If data is the new natural resource, analytics helps get value from it.

**Product positioning**

dashDB joins Watson Analytics and DataWorks portfolio as a core part of the IBM cloud-based analytics initiatives. DataWorks enables the fluid data layer that allows data to move easily from one environment to another (with built-in quality and cleansing), and Watson Analytics provides the cognitive visualization of that data. dashDB is the high-performance, analytically structured data store that enables high-performance queries and analytics.

dashDB is part of the IBM Watson TM Foundations (also known as big data platform). It complements technologies such as DB2® with BLU Acceleration, the PureData System for Analytics (Netezza), Big Insights™ (Hadoop), InfoSphere® Streams, and other big data components.

dashDB provides a managed, cloud-based infrastructure for data warehousing and analytics.
Program number

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Offering Information

Product information is available via the Offering Information website
http://www.ibm.com/common/ssi

Also, visit the Passport Advantage® website
http://www.ibm.com/software/passportadvantage

Publications

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IBM dashDB

dashDB information can be found at
http://www.dashdb.com

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Technical information

**Specified operating environment**

*Hardware requirements*

None.

*Software requirements*

- Supported browser (Firefox, Chrome, Safari, and Internet Explorer)
- High-speed Internet connection to public Internet
- Supported BI and analytic tools (optional)
- Supported ETL tool (optional)

The program’s specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

**Planning information**

*Packaging*

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*Security, auditability, and control*

IBM dashDB uses the security and auditability features of the host hardware or software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

**Ordering information**

This product is available only via Passport Advantage. It is not available as shrinkwrap.

Product Group: Information Management

Product: IBM dashDB (5725-U38)

Product Category: DB2

**Passport Advantage**

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