IBM PureData System for Analytics N2002-002
designed to deliver fast performance for complex analytics in a lower cost entry solution

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At a glance

IBM PureData™ System for Analytics N2002-002 is a new cost effective, low entry point appliance, powered by Netezza® technology. It:

• Is a purpose-built, standards-based data warehouse and analytic appliance that architecturally integrates database, server, storage, and advanced analytic capabilities into a single, easy-to-manage system.
• Includes a massively parallel processing hardware design that is specifically for running complex analytics on very large data volumes at very high speeds.
• Is designed to deliver performance, scalability, intelligence, and simplicity that organizations need to dive deep into their data.
• Is designed to be deployed and managed easily, which can dramatically simplify organizational data warehouse and analytics infrastructures.
• Offers a new cost-effective, low entry point system.

Overview

IBM PureData System for Analytics N2002-002 is a new cost-effective, low entry point appliance, powered by Netezza technology. It is a high-performance, scalable, massively parallel system that helps you gain insight on your ever growing volumes of data, simpler and faster. Powered by Netezza technology, a patented solution for increasing the performance of analytics, this system is designed specifically to run complex analytics on very large data volumes, orders-of-magnitude faster than traditional custom systems (1).

IBM PureData System for Analytics N2002-002 is designed to deliver performance, scalability, intelligence, and simplicity to help meet the needs of your business. It is a low-cost option that requires minimal ongoing administration or tuning that helps you gain greater insight into your data.

IBM PureData System for Analytics N2002-002 is:

• Purpose-built: These data warehouse appliances are designed specifically to run complex analytics on very large data volumes at a very rapid rate.
• Simple to maintain: The appliance architecturally integrates database, server, and storage into a single system that is designed to be easy-to-manage, requiring little ongoing maintenance.
• Simple to deploy: As a true purpose-built appliance, it comes pretuned with the optimal architecture for advanced analytics, making it ready to go on day one.
• Simple to try: The IBM® PureExperience™ is an open proof-of-concept program that provides a more accessible way to experience high-performance data warehouse appliances onsite with real data.
• Of exceptional value: Designed for quick and easy deployment and minimal ongoing maintenance, the IBM PureData System for Analytics N2002-002 appliance allows you to deploy 10 to 100 times faster than traditional custom systems (1).

In addition, IBM PureData System for Analytics N2002-002 is designed to deliver:

• Improved resiliency and workload management tooling.
• Appliance simplicity that is easy to deploy and manage, that helps to dramatically simplify your data warehouse and analytic infrastructure.
• A ready-to-go offering with expert integration.
• A powerful platform to help manage the challenges of business intelligence and advanced analytics.
• Scalable performance with blazing fast complex analytics and business intelligence performance.
• Simplified analytic development with default parallelized analytics and modules; thus no need for parallel programming.
• Compatibility with most market-leading analytic and business intelligence tools and applications, and with infrastructure powered by Netezza technology.

(1) Based on reported results from IBM customers. "Traditional custom systems" refers to systems that are not professionally prebuilt, pretested, and optimized. Individual results may vary.

**Key prerequisites**

For details, refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

October 18, 2013

**Description**

Minimizing data movement, while processing it at physics speed, in parallel, and at massive scale, provides a huge opportunity for cost savings and efficiency in your data warehouse and analytic environments. An easy-to-use data warehouse appliance can help you achieve order-of-magnitude improvements over traditional custom systems (1).

IBM PureData System for Analytics N2002-002 is designed for rapid and deep analysis of large data volumes and requires minimal ongoing administration or tuning at a low total cost of ownership.

IBM PureData System for Analytics N2002-002 is designed to deliver high performance based on its unique asymmetric massively parallel processing architecture that combines open, IBM blade servers and disk storage with IBM patented data filtering that uses field programmable gate arrays. This combination is designed to deliver fast query performance on analytic workloads that can support tens of thousands of business intelligence and data warehouse users, sophisticated analytics at very high speed.

**Highlights**

IBM PureData System for Analytics N2002-002 is designed to:
• Deliver a powerful platform for tackling the challenges of business intelligence and advanced analytics.
• Deliver scalable high performance of complex analytics and business intelligence.
• Include a flexible analytic environment that supports multiple languages (for example, C/C++, Java™, Python), frameworks (for example, MapReduce), and tools (for example, R (2), SAS).
• Enable simplified analytic development with ready-to-use parallelized analytics that does not require complex parallel programming.
• Deliver a library of more than 200 prebuilt, scalable, in-database analytic functions that execute analytics in parallel while taking away the complexity of parallel programming from developers, users, and database administrators.
• Include blade-based streaming architecture that incorporates commodity blades and storage combined with patented Netezza technology of data filtering by using field programmable gate arrays technology.
• Dramatically simplify your data warehouse and analytics infrastructure because the appliance is simple to deploy and manage.
• Allow compatibility with most market-leading analytic and business intelligence tools, applications, and infrastructure.
• Support industry-standard interfaces (SQL, ODBC, JDBC, OLE DB).
• Deliver enterprise-class reliability and availability.
• Require low power and cooling, all in a compact footprint.

New features are delivered with the same simplicity and ease of use that distinguishes IBM PureData System for Analytics products from the beginning, based on Netezza technology. IBM PureData System for Analytics N2002-002 is designed to deliver simplicity, ease of development and deployment, and delivers high performance automatically with no indexing or tuning required.

As an appliance, the integration of hardware, software, and storage is done for you, leading to shorter deployment cycles and exceptional time to value for business intelligence and analytic initiatives. The appliance is delivered ready-to-go for immediate data loading and query execution, and integrates with leading extract, transform, and load (ETL), business intelligence, and analytic applications through standard ODBC, JDBC, and OLE DB interfaces.

IBM PureData System for Analytics N2002-002 is architected for high availability from the ground up. All components are internally redundant for a robust, production-ready environment from the moment the appliance is plugged into your data center.

Compatible with IBM DB2® Analytics Accelerator for z/OS®

IBM DB2 Analytics Accelerator for z/OS, V3.1 and the newly announced IBM DB2 Analytics Accelerator for z/OS, V4.1 both support the new IBM PureData System for Analytics N2002, the earlier IBM PureData System for Analytics N2001, and previous generation IBM PureData System for Analytics N1001.

Additional information

For additional information about IBM PureData System for Analytics N2002, refer to http://www.ibm.com/puresystems

(1) Based on reported results from IBM customers, "traditional custom systems" refers to systems that are not professionally prebuilt, pretested, and optimized. Individual results may vary.

(2) IBM PureData System for Analytics N2002-002 maintains continued compatibility with Revolution R Enterprise, delivering 64-bit processing with high performance, enterprise readiness, and support for the R programming language. Revolution R Enterprise for IBM PureData System for Analytics is available for additional purchase from Revolution Analytics.
Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at


Reference information

For information about IBM DB2 Analytics Accelerator for z/OS, V4.1, refer to Software Announcement ZP13-0544, dated October 01, 2013.

Program number

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<tr>
<td>5725-N24</td>
<td>IBM PureData System for Analytics N2002-002</td>
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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

No publications are shipped with these programs.

Technical information

Specified operating environment

Hardware requirements

IBM PureData System for Analytics N2002-002 is an IBM PureData System for Analytics appliance.

There are no additional hardware requirements. IBM PureData System for Analytics N2002-002 is a purpose-built, standards-based data appliance that architecturally integrates database, server, and storage into a single, easy-to-manage system.

For additional information, visit

http://www-01.ibm.com/software/data/puredata/analytics/

Software requirements

IBM PureData System for Analytics N2002-002 requires IBM Netezza Platform Software V7.0.4, or later. Netezza Platform V7.0.4 delivers minor enhancements to SQL operators:

• NOT IN/NOT EXISTS
• Orphan column queries
• CASE WHEN expressions
This release is also certified to run with Red Hat Linux™ V6.4.

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

Installability

IBM PureData System for Analytics N2002-002 includes IBM installation services.

Packaging

IBM PureData System for Analytics N2002-002 software is only available preinstalled on IBM PureData System for Analytics N2002 appliance hardware.

Security, auditability, and control

IBM PureData System for Analytics N2002-002 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.

Global Technology Services®

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit


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Product group: IBM Netezza

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Product category: PureData™ Systems

Models available for ordering

IBM PureData System for Analytics N2002-002 is an entry-level rack appliance with 8 terabytes of uncompressed user data capacity that includes single phase, 200-240V, North American (NA) 30A, and European (EU) 32A power cords.

Ordering information for Passport Advantage

The quantity to be specified for the Passport Advantage part numbers in the following table is per appliance install. To order for Passport Advantage, specify the desired part number and quantity.

<table>
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<tr>
<th>Description</th>
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<td>Appliance and Subscription and Support (S&amp;S) 12 Months</td>
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<td>Subsequent Appliance Business Critical Service Upgrade</td>
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Charge metric

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Appliance Install

Appliance Install is a unit of measure by which the program can be licensed. An Appliance Install is an installed copy of the program that is included on a single unit of supporting hardware. Licensee must obtain an entitlement for each Appliance Install of the program.

Install

Install is a unit of measure by which the program can be licensed. An Install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each Install of the program.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.
This product is only available via Passport Advantage. It is not available as shrinkwrap.

**Licensing**

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

**Agreement for Acquisition of Software Maintenance**

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM International Program License Agreement and the Appliance Service Attachment to Passport Advantage, which provides for support with ongoing access to releases and versions of the program.

**License Information form number**

L-AMKN-9B9K4Q.

The program’s License Information is available for review on the IBM Software License Agreement website


**Limited warranty applies**

Yes

**Limited warranty**

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

http://www.ibm.com/support/handbook

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

**Program technical support**

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support...
beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

**Other terms**

**Volume orders (IVO)**
No

**IBM International Passport Advantage Agreement**

**Passport Advantage applies**
Yes, and through the Passport Advantage website at

    http://www.ibm.com/software/passportadvantage

**Usage restriction**
Yes. Usage is limited to the quantity of appliance installs licensed.

For additional information, refer to the IBM Software License Agreement website


**Software Subscription and Support (Software Maintenance)**

**Appliance Maintenance and Subscription and Support Service**

**Period and renewal**

The initial service period for IBM machine components is the warranty period specified in a transaction document for the IBM machine component of the appliance. Warranty Services are not renewable. When the customer obtains Appliance Maintenance and Subscription and Support Service for an appliance, the initial service period for the Appliance Maintenance and Subscription and Support Service will be treated as if it is a renewal of a previous Service Period for i) the IBM machine component of the appliance and ii) the Software Subscription and Support for the program component of an appliance.

Appliance Maintenance and Subscription and Support Service are provided at the same level of service, if available, to which the customer was entitled during the warranty period or that the customer selected for a Warranty Service upgrade. The initial service period for Appliance Maintenance and Subscription and Support Service ends on i) the last day of the corresponding month in the following year, unless the warranty period ends on the last day of the month, in which case the service period ends on the last day of the month, 12 months from the date on which the warranty period ends for the machine component or ii) the customer's anniversary date, if applicable, for a service period of less than 12 full months for a prorated charge, thereby aligning the service period for Appliance Maintenance and Subscription and Support Service with the anniversary.

Consult the IBM Appliance Support Handbook for further details on Appliance Service and upgrade options

    http://www.ibm.com/software/appliance/support

Alternative maintenance options are available on a special bid basis from your IBM representative or Business Partner.

**Variable charges apply**

No
Educational allowance available

Education allowance does not apply.

Education software allowance does not apply.

Special education prices are available for qualified customers through Passport Advantage.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

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Passport Advantage

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http://www.ibm.com/software/passportadvantage

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IBM PureData System for Analytics N2002-002

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