



# IBM InfoSphere Data Replication, Change Data Capture, and Change Data Delivery enable IBM Netezza appliances to be used as targets for applying data

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## At a glance

InfoSphere® Data Replication V10.1.2 packages updates for InfoSphere Data Replication, InfoSphere Change Data Capture, InfoSphere Change Data Delivery, and InfoSphere Change Data Delivery for Information Server into a single offering, giving you considerable flexibility in your choice of data replication technologies and solutions. These updates can help you:

- Load real-time information into a data warehouse or operational data store
- Expand usage of Netezza® appliances by utilizing them as a target for applying data
- Eliminate batch windows by providing continuous delivery of changed data into target systems
- Integrate real-time inventory and sales information with commercial sites
- Integrate product and customer data across multiple branches, outlets, and offices
- Maintain production systems running 24x7 for worldwide operations

## Overview

InfoSphere Data Replication V10.1.2 delivers new data replication capabilities for use in multiple enterprise data integration projects. These capabilities enhance the Change Data Capture and Q Replication technologies of IBM®.

### Enhancements to IBM Change Data Capture technology

- Netezza can now be a target for scalable, high-volume replication with transactional integrity to
  - Deliver changed data from DB2®, Oracle, Microsoft™ SQL Server, Sybase ASE, and IBM Informix® using either InfoSphere Data Replication or InfoSphere Change Data Capture
  - Deliver changed data from IMS™ using InfoSphere Classic Change Data Capture for IMS
  - Configure and monitor Netezza replication solutions using the Change Data Capture Management Console

- Capture data that was committed as part of XA transactions -- global transactions that may span multiple resources. This capability is available for DB2 and Oracle sources.
- Select optimization strategies to increase efficiency and parallelism when applying data to target databases. This can help achieve the high-volume replication required to address growing business needs.

### **Enhancements to IBM Q Replication technology**

- Enhancements to the original, full-site version of the Q Replication Dashboard
  - Extensions to the Alert Manager feature of the dashboard with new alert conditions for memory usage and large transactions.
  - Ability to set thresholds and notifications for Queue Depth alerts at a queue level.
  - Ability to invoke the IBM table comparison utility (asntdiff) when DB2 source databases are running with Windows™ XP.
- Time-delayed targets that can improve disaster recovery and high-availability solutions by buffering changed data on target systems before it is applied to target databases
  - Ability to replicate changed data from the source to the target system, with low latency and buffering in WebSphere® MQ.
  - If errors occur in source applications or during database maintenance and are not discovered until data is replicated, ability to stop the Q Apply program while the corrupted data is still buffered, thereby preventing corruption of the target database.
  - Alternatively, in situations where a source database outage occurs and no corruption exists, buffered data that can be applied to the target database. Once applied, the low-latency nature of the buffered data means that the target database will reflect virtually all of the changes made to the data source before the outage occurred.
- Ability to use the BINARY and VARBINARY data types of DB2 for z/OS® in Q Subscriptions.
- Support of consistent change data (CCD) and point-in-time tables as Q Replication sources.

In addition, InfoSphere Data Replication is now an offering for database migration. This offering can be used to migrate data from one version of a database to another, from one vendor's database to another, or from one hardware platform to another. It allows one-way replication from a single source database to a single target database, with replication of data definition language (DDL) limited to the addition or removal of table partitions when the source and target are both Oracle databases, and transformations during replication limited to migrations where the source is an Oracle database and the target is a DB2 database.

This release limits database migration to one of the following source and target combinations:

- An Oracle source database and an Oracle target database
- A DB2 for Linux™, UNIX™, or Windows source database and a DB2 for Linux, UNIX, or Windows target database
- A DB2 for System i® source database and a DB2 for System i target database
- An Oracle source database and a DB2 for Linux, UNIX, or Windows target database

To order, contact your IBM representative, an IBM Business Partner, or the Americas Call Centers at: 800-IBM-CALL Reference: YE001

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## Key prerequisites

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Refer to the [Hardware requirements](#) and [Software requirements](#) sections.

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## Planned availability date

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- December 16, 2011: Electronic availability
- January 13, 2012: Media availability

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## Description

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InfoSphere Data Replication provides a single offering for a wide variety of data replication solutions, ranging from continuous availability, active/active databases, and live reporting to database migration.

Key features include:

- Full access to IBM data replication technologies on distributed platforms known as Change Data Capture, Q Replication, SQL Replication, and Data Event Publishing
- Scalable, high-volume, and low-latency replication with transactional integrity for a wide variety of heterogeneous source and target databases
- Log-based change data capture
- Replication between DB2 for z/OS and distributed databases such as DB2 for Linux, UNIX, Microsoft Windows, InfoSphere Warehouse, the IBM Smart Analytics Systems, Oracle, and Microsoft SQL Server, when combined with InfoSphere Data Replication for DB2 for z/OS, V10.1
- Replication between Information Management System for z/OS and distributed databases such as DB2 for Linux, UNIX, Microsoft Windows, InfoSphere Warehouse, the IBM Smart Analytics Systems, Oracle, and Microsoft SQL Server, when combined with InfoSphere Classic Change Data Capture for z/OS, V10.1
- Ability to be easily combined with Q Replication and SQL Replication included with DB2 for Linux, UNIX, Microsoft Windows, and InfoSphere Warehouse
- Easier feeding of changed data to extract, transform, and load (ETL) tools such as InfoSphere DataStage® and InfoSphere QualityStage™
- One-way and two-way data distribution solutions between a central master site and many remote locations
- Robust conflict detection and resolution to support data changes made to multiple databases
- Built-in compare and repair utilities for determining data differences between sources and targets
- Consolidation of data from many sources into a single target
- Live audit and consistent change data (CCD) tables for a comprehensive audit trail of source changes
- Transformation of changed data while replicating
- Historical data for tuning and service level agreement compliance
- GUIs and a full-featured command-line processor
- Web-based health and performance monitoring
- Netezza target apply support that helps provide scalable, high-volume replication with transactional integrity from a variety of heterogeneous sources to the Netezza appliance
- Distributed transaction processing (XA) transaction support
- Ability to select from a set of optimization strategies to increase efficiency and parallelism when applying to the target database

For details of recent enhancements to InfoSphere Data Replication, refer to individual announcements listed in the [Reference information](#) section.

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## Product positioning

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InfoSphere Data Replication V10.1.2 is integrated into the IBM Information Management software portfolio and is intended for:

- Customers who need accurate and frequent sales and customer reports to make better operational decisions regarding pricing, merchandising, and inventory management. This capability is enabled through consolidation of key business data from diverse operational systems into a centralized data warehouse in near real time.
- Companies that require more business agility through real-time change data capture.
- Enterprises that require more business visibility through granular data changes in real-time business intelligence.
- Organizations that require the ability to increase responsiveness to business events and capitalize on upcoming business opportunities through event detection.
- Retailers who want to sell in stores, over the web, and by phone, and who need consistent up-to-date information accessible to all three channels. For example, ensuring that wedding registry purchases do not get duplicated and that customers can inquire over the phone or on the web about product availability and the status of orders completed through other channels.
- Public companies that require consolidated financial reporting across a range of transactional systems in different regions, departments, or business units.
- Companies that need to migrate data from an incompatible ERP application of an acquired company into their own ERP application (or between incompatible versions of an ERP application).
- Shipping companies that enable customers to access real-time shipment information on their websites while significantly reducing the impact on their mission-critical logistics systems they use to help ensure efficient, continuous operations.
- Government agencies that provide public access to up-to-date information on criminal proceedings on the Internet, but cannot risk letting users directly access sensitive information on offenders.
- Financial Services companies that need to flow data from legacy financial systems on mainframes into systems on open platforms to support Internet-based communications, statement processing, and other applications more efficiently with minimal impact on key legacy systems.
- Health insurers who need to offload queries, reports, and backups to avoid impacting performance and user response times on claims processing systems that are essential for operations.

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## Reference information

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For further details, refer to the following announcements:

- Software Announcement [209-233](#), dated July 21, 2009
- Software Announcement [210-270](#), dated September 14, 2010
- Software Announcement [211-290](#), dated August 16, 2011
- Software Announcement [211-053](#), dated September 13, 2011

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## Availability of national languages

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Product description	Language	General availability date
InfoSphere Change Data Delivery for Netezza V6.5.2	Multilingual (Chinese-Simplified, Japanese, English)	January 13, 2012
InfoSphere Change Data Delivery for Information Server for Netezza V6.5.2	Multilingual (Chinese-Simplified, Japanese, English)	January 13, 2012
InfoSphere Data Replication for Netezza V10.1.2	Multilingual (French, Danish, Russian, Korean, Chinese-Simplified, Spanish, Norwegian Bokmal, German, Swedish, Japanese, Chinese-Traditional, English, Czech, Italian, Finnish, Polish)	January 13, 2012
InfoSphere Data Replication for Database Migration V10.1.2	Multilingual (French, Danish, Russian, Korean, Chinese-Simplified, Spanish, Norwegian Bokmal, German, Swedish, Japanese, Chinese-Traditional, English, Czech, Italian, Finnish, Polish)	January 13, 2012
InfoSphere Data Replication V10.1.2	Multilingual (French, Danish, Russian, Korean, Chinese-Simplified, Spanish, Norwegian Bokmal, German, Swedish, Japanese, Chinese-Traditional, English, Czech, Italian, Finnish, Polish)	January 13, 2012
InfoSphere Change Data Capture V6.5.2	Multilingual (Chinese-Simplified, Japanese, English)	January 13, 2012
InfoSphere Change Data Delivery V6.5.2	Multilingual (Chinese-Simplified, Japanese, English)	January 13, 2012

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## Program number

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Program number	VRM	Program name
5724-U70	6.5.2	IBM InfoSphere Change Data Capture
5724-Q36	8.7.0	IBM InfoSphere Information Server
5725-E30	10.1.2	IBM InfoSphere Data Replication

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## Education support

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### Education support

Available training offerings include client onsite training, public training at IBM facilities, and remote learning via FlexLearning. Through client onsite training, IBM delivers standard or customized training to meet the requirements of its clients.

IBM can also provide mobile academies for a rental fee to minimize clients' setup activities.

IBM public training simplifies the process by providing the complete environment for standard course deliveries and giving students the ability to learn without the distractions of everyday responsibilities. Public training is offered on a regular schedule worldwide. For more information on public instructor-led training, visit

<http://www.ibm.com/software/data/ips/services/learning.html>

The newly enhanced FlexLearning program enables clients to attend training on their own schedule at their own location. This program offers state-of-the-art technology to deliver highly valuable training at minimum cost. All current courses are approximately three hours in length and offer a valuable learn-by-doing, self-paced format.

For more information on any of the training offerings, contact

iiseduc@us.ibm.com

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## Offering Information

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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>

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## Publications

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The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

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## Technical information

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### **Specified operating environment**

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#### **Hardware requirements**

Hardware requirements depend on the technology used:

- For the change data capture technology can be found under **System Requirements** topic at <http://www-01.ibm.com/software/data/infosphere/change-data-capture/requirements.html>
- For the Q Replication and SQL Replication technologies can be found under System Requirements topic at <http://www-01.ibm.com/software/data/infosphere/replication-server/requirements.html>

## **Software requirements**

Software requirements depend on the technology used:

- For the change data capture technology can be found in the **System Requirements** section at <http://www-01.ibm.com/software/data/infosphere/change-data-capture/requirements.html>
- For the Q Replication and SQL Replication technologies can be found in the **System Requirements** section at <http://www-01.ibm.com/software/data/infosphere/replication-server/requirements.html>

For Q Replication, WebSphere MQ V6.0, or later, is required. A restricted-use license of WebSphere MQ V7.0 is included at no additional charge.

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.

## **Limitations**

For additional information, refer to the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

## **Planning information**

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### ***Installability***

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and technical support are provided by the Software Subscription and Support (also referred to as Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available.

### ***Packaging***

DVDs for the supported platforms.

## **Security, auditability, and control**

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These products use 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.

## Software Services

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Services from InfoSphere Professional Services complement the IBM Information Server platform and help you leverage the extensive technical skills and world-class methodologies based on years of accumulated knowledge and experience, gained through hundreds of successful implementations. The InfoSphere Professional Services team offers a wide range of services-related packages that are designed to help you achieve success in the design, implementation, and rollout of your information integration projects.

To learn more about InfoSphere Professional Services or contact a services representative, visit

<http://www-306.ibm.com/software/data/ips/services/professional.html>

We also extend our IBM Software Services reach through IBM Business Partners to provide an extensive world-class portfolio of capabilities. Together we provide the global reach, intellectual capital, industry insight, and technology leadership to support almost any critical business need.

To locate an IBM Business Partner, visit

<https://www-304.ibm.com/partnerworld/wps/bplocator/search.jsp>

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## Ordering information

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These products are only available via Passport Advantage. They are not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

[http://www.ibm.com/partnerworld/page/svp\\_authorized\\_portfolio](http://www.ibm.com/partnerworld/page/svp_authorized_portfolio)

To locate IBM Business Partners for a specific Software Value Plus portfolio, contact your IBM representative.

## Product information

Licensed function title	Product group	Product category
IBM InfoSphere Change Data Capture	Change Data Capture	InfoSphere Change Data Capture
IBM InfoSphere Change Data Capture for Non Production	Change Data Capture	InfoSphere Change Data Capture
IBM InfoSphere Change Data Delivery	Change Data Capture	InfoSphere Change Data Capture
IBM InfoSphere Change Data Delivery for Information Server	Information Integration Solutions	IBM Information Server
IBM InfoSphere Change Data Delivery for Information Server for Netezza	Information Integration Solutions	IBM Information Server
IBM InfoSphere Change Data Delivery for Information Server for Non-Prod	Information Integration Solutions	IBM Information Server
IBM InfoSphere Change Data Delivery for Netezza	Change Data Capture	InfoSphere Change Data Capture
IBM InfoSphere Change Data Delivery for Non-Production Environments	Change Data Capture	InfoSphere Change Data Capture



IBM InfoSphere Data Replication for Database Migration	IBM Information Integration	IBM Information Integration
IBM InfoSphere Data Replication for Netezza	IBM Information Integration	IBM Information Integration
InfoSphere Data Replication	IBM Information Integration	IBM Information Integration
InfoSphere Data Replication for Non-Production Environments	IBM Information Integration	IBM Information Integration

Program name	PID number	Charge unit description
IBM InfoSphere Change Data Capture	5724-U70	Per Processor Value Unit (PVU)
IBM InfoSphere Change Data Capture	5724-U70	Per PVU for Linux on System z
IBM InfoSphere Change Data Capture for Non Production	5724-U70	Per PVU
IBM InfoSphere Change Data Capture for Non Production	5724-U70	Per PVU for Linux on System z
IBM InfoSphere Change Data Delivery	5724-U70	Per PVU
IBM InfoSphere Change Data Delivery	5724-U70	Per PVU for Linux on System z
IBM InfoSphere Change Data Delivery for Information Server	5724-Q36	Per PVU
IBM InfoSphere Change Data Delivery for Information Server	5724-Q36	Per PVU for Linux on System z
IBM InfoSphere Change Data Delivery for Information Server for Netezza	5724-Q36	Per Managed Server
IBM InfoSphere Change Data Delivery for Information Server for Netezza	5724-Q36	Per Managed Server for Linux on System z
IBM InfoSphere Change Data Delivery for Information Server for Non-Prod	5724-Q36	Per PVU Value Unit (PVU)
IBM InfoSphere Change Data Delivery for Information Server for Non-Prod	5724-Q36	Per PVU for Linux on System z
IBM InfoSphere Change Data Delivery for Netezza	5724-U70	Per Managed Server
IBM InfoSphere Change Data Delivery for Netezza	5724-U70	Per Managed Server for Linux on System z
IBM InfoSphere Change Data Delivery for Non-Production Environments	5724-U70	Per PVU
IBM InfoSphere Change Data Delivery for Non-Production Environments	5724-U70	Per PVU for Linux on System z
IBM InfoSphere Data Replication for Database Migration	5725-E30	FTL per Install
IBM InfoSphere Data Replication for Database Migration	5725-E30	FTL per Install for Linux on System z
IBM InfoSphere Data Replication for Netezza	5725-E30	Per Managed Server
IBM InfoSphere Data Replication for Netezza	5725-E30	Per Managed Server for Linux on System z
IBM InfoSphere Data Replication	5725-E30	Per PVU
IBM InfoSphere Data Replication	5725-E30	Per PVU for Linux on System z
IBM InfoSphere Data Replication for Non-Production Environments	5725-E30	Per PVU
IBM InfoSphere Data Replication for Non-Production Environments	5725-E30	Per PVU for Linux on System z

### Charge metrics definitions

#### 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.

## Processor Value Unit (PVU)

Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU Table by Processor Value, Brand, Type and Model Number at [http://www.ibm.com/software/lotus/passportadvantage/pvu\\_licensing\\_for\\_customers.html](http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html)) and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the program using either Full Capacity licensing or Virtualization Capacity (Sub-Capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (see webpage below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores\* in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at

[http://www.ibm.com/software/lotus/passportadvantage/Counting\\_Software\\_licenses\\_using\\_specific\\_virtualization\\_technologies.html](http://www.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html)

\* An Activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

**Note:** Some programs may require licenses for the program AND what is being managed. In that case, the following applies: In addition to the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

**Note:** Some programs may be licensed on a managed basis ONLY. In that case, the following applies: Instead of the entitlements required for the program directly, Licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

**Note:** A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies: Rather than obtaining entitlements for the activated processor cores available to the program, Licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the Referenced program as if the program itself were executing everywhere the Referenced program was executing, independent of the basis on which the Referenced program is licensed.

**Note:** Express and Workgroup programs may be licensed with maximum use terms. In that case, the following applies: The maximum authorized use terms and conditions for PVU licensed IBM Express and Middleware programs can be found in the IBM Express and Middleware Licensing Guide.

## Managed Server

Managed Server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. Licensee must obtain Managed Server entitlements for each server managed by the program.

## Passport Advantage program licenses

### IBM InfoSphere Information Server

Part description	Part number
IBM InfoSphere Change Data Delivery for Information Server for Netezza	
IBM InfoSphere CDD IS Netezza Per Managed Server Annual SW S&S Rnw1	E0DFHLL
IBM InfoSphere CDD IS Netezza Per Managed Server Lic + SW S&S 12 Mo	D0NMFL
IBM InfoSphere CDD IS Netezza Per Managed Server SW S&S Reinststate 12 Mo	D0NMGL
IBM InfoSphere Change Data Delivery for Information Server	
IBM InfoSphere CDD for IS Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E08SBLL
IBM InfoSphere CDD for IS Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0D15LL
IBM InfoSphere CDD for IS Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0D16LL
IBM InfoSphere Change Data Delivery for Information Server for Non-Production Environments	
IBM InfoSphere CDD for IS NP Env Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E08SDLL
IBM InfoSphere CDD for IS NP Env Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0D19LL
IBM InfoSphere CDD for IS NP Env Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0D1ALL

### InfoSphere Change Data Capture

IBM InfoSphere Change Data Capture	
IBM InfoSphere CDC Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E04S9LL
IBM InfoSphere CDC Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0406LL
IBM InfoSphere CDC Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0407LL
IBM InfoSphere Change Data Capture for Non Production Environments	
IBM InfoSphere CDC NP Env Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E04SALL
IBM InfoSphere CDC NP Env Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0408LL
IBM InfoSphere CDC NP Env Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0409LL
IBM InfoSphere Change Data Delivery for Netezza	
IBM InfoSphere CDD Netezza Per Managed Server Annual SW S&S Rnw1	E0DFBLL
IBM InfoSphere CDD Netezza Per Managed Server Lic + SW S&S 12 Mo	D0NM3LL
IBM InfoSphere CDD Netezza Per Managed Server SW S&S Reinststate 12 Mo	D0NM4LL
IBM InfoSphere Change Data Delivery	
IBM InfoSphere CDD Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E07UDLL
IBM InfoSphere CDD Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0B6ZLL
IBM InfoSphere CDD Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0B70LL
IBM InfoSphere Change Data Delivery for Non-Production Environments	
IBM InfoSphere CDD for NP Env Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E07UFLL
IBM InfoSphere CDD for NP Env Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0B73LL
IBM InfoSphere CDD for NP Env Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0B74LL

### InfoSphere Data Replication

IBM InfoSphere Data Replication for Netezza	
IBM InfoSphere Data Rep Netezza Per Managed Server Annual SW S&S Rnw1	E0DFLL
IBM InfoSphere Data Rep Netezza Per Managed Server Lic + SW S&S 12 Mo	D0NMBLL

IBM InfoSphere Data Rep Netezza Per Managed Server SW S&S Reinststate 12 Mo	D0NMCLL
IBM InfoSphere Data Replication for Database Migration	
IBM InfoSphere Data Replication for Database Migration FTL per Install Initl FT Lic + S&S 12 Mo	D0NNILL
IBM InfoSphere Data Replication for Database Migration FTL per Install Subsq FT Lic + S&S 12 Mo	E0DG0LL
InfoSphere Data Replication	
IBM InfoSphere Data Replication Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E0CPULL
IBM InfoSphere Data Replication Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0L34LL
IBM InfoSphere Data Replication Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0L35LL
InfoSphere Data Replication for Non-Production Environments	
IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E0CPNLL
IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0L2NLL
IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D0L2PLL

### Passport Advantage trade-up licenses

#### InfoSphere Data Replication

Precursor product	Trade-up product	Trade-up part number
InfoSphere Data Replication		
IBM InfoSphere Change Data Capture	IS Data Replication PVU from IS Change Data Capture PVU Trade Up Lic+SW	D0L38LL
IBM InfoSphere Data Event Publisher	IS Data Replication PVU from IS Data Event Pub PVU Trade Up Lic + SW S&S 12	D0L37LL
IBM InfoSphere Replication Server	IS Data Replication PVU from IS Replication Svr PVU Trade Up Lic +	D0L36LL
InfoSphere Data Replication for Non-Production Environments		
IBM InfoSphere Change Data Capture	IS Data Rep Non-Prod PVU frm IS CDC Non-Prod PVU Trade Up Lic +	D0L2SLL
IBM InfoSphere Replication Server Developer Edition	IS Data Rep Non-Prod PVU frm IS Rep Svr Dev Ed AU Trade Up Lic +	D0L2QLL
IBM InfoSphere Data Event Publisher Developer Edition	IS Data Rep Non-Prod PVU from IS Data Evnt Pub Dev Ed AU Trade Up Lic +	D0L2RLL

#### Passport Advantage supply

Program name/description	Part number
InfoSphere Change Data Delivery for Netezza V6.5.2	
InfoSphere Change Data Delivery for Netezza v6.5.2 Multiplatform Multilingual	BY061ML
InfoSphere Change Data Delivery for Information Server for Netezza V6.5.2	
InfoSphere Change Data Delivery for Information Server for Netezza v6.5.2 Multiplatform Multilingual	BY066ML
InfoSphere Data Replication for Netezza V10.1.2	
InfoSphere Data Replication for Netezza V10.1.2 Multiplatform Multilingual	BY062ML
InfoSphere Data Replication for Non Production Environments V10.1.2	

InfoSphere Data Replication 10.1.2 Multiplatform Multilingual	BB18FML
InfoSphere Change Data Capture V6.5.2	
InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML
InfoSphere Change Data Capture for Non Production Environments V6.5.2	
InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML
InfoSphere Change Data Delivery V6.5.2	
InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML
InfoSphere Change Data Delivery for Non Production Environments V6.5.2	
InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML
InfoSphere Data Replication for Database Migration V10.1.2	
InfoSphere Data Replication for Database Migration v10.1.2 Multiplatform Multilingual	BB1A5ML
InfoSphere Change Data Delivery for Information Server v6.5.2	
InfoSphere Information Server V8.7 Multiplatform Multilingual	BY05PML
InfoSphere Change Data Delivery for Information Server for Non Production Environments v6.5.2	
InfoSphere Information Server V8.7 Multiplatform Multilingual	BY05PML

### **Passport Advantage customer: Media pack entitlement details**

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Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

#### **InfoSphere Change Data Capture V6.5.2**

Entitled maintenance offerings description	Media packs description	Part number
InfoSphere Change Data Capture Non Production Processor Value Unit	InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML
InfoSphere Change Data Capture Processor Value Unit	InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML
InfoSphere Changed Data Capture Processor Value Unit for Linux on System z®	InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML
InfoSphere Changed Data Capture for Non-Production Environments Processor Value Unit for Linux on System z	InfoSphere Change Data Capture v6.5.2 Multiplatform Multilingual	BY05KML

## InfoSphere Data Replication NP V10.1.2

InfoSphere Data Replication for Non-Production Linux on System z Processor Value Unit	InfoSphere Data Replication 10.1.2 Multiplatform Multilingual	BB18FML
InfoSphere Data Replication for Non-Production Processor Value Unit	InfoSphere Data Replication 10.1.2 Multiplatform Multilingual	BB18FML

## InfoSphere Data Replication for Database Migration V10.1.2

InfoSphere Data Replication for Database Migration Linux on System z Processor Value Unit	InfoSphere Data Replication for Database Migration 10.1.2 Multiplatform Multilingual	BB1A5ML
InfoSphere Data Replication for Database Migration Processor Value Unit	InfoSphere Data Replication for Database Migration 10.1.2 Multiplatform Multilingual	BB1A5ML

## InfoSphere Change Data Delivery V6.5.2

IBM InfoSphere Change Data Delivery for Non-Production Environments per Processor Value Unit	InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML
IBM InfoSphere Change Data Delivery for Non-Production Environments per Processor Value Unit for Linux on System z	InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML
IBM InfoSphere Change Data Delivery per Processor Value Unit	InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML
IBM InfoSphere Change Data Delivery per Processor Value Unit for Linux on System z	InfoSphere Change Data Delivery v6.5.2 Multiplatform Multilingual	BY05LML

## IBM InfoSphere Information Server V8.7.0

IBM InfoSphere Change Data Delivery for Information Server Processor Value Unit	IBM InfoSphere Information Server v8.7 Multiplatform Multilingual	BY05PML
IBM InfoSphere Change Data Delivery for Information Server Processor Value Unit Linux on System z	IBM InfoSphere Information Server v8.7 Multiplatform Multilingual	BY05PML
IBM InfoSphere Change Data Delivery for Information Server for Non-Production Environments Processor Value Unit	IBM InfoSphere Information Server v8.7 Multiplatform Multilingual	BY05PML
IBM InfoSphere Change Data Delivery for Information Server for Non-Production Environments Processor Value Unit Linux on System z	IBM InfoSphere Information Server v8.7 Multiplatform Multilingual	BY05PML

## InfoSphere Change Data Delivery for Netezza V6.5.2

InfoSphere Change Data Delivery for Netezza Linux on System z per Managed Server	InfoSphere Change Data Delivery v6.5.2 for Netezza Multiplatform Multilingual	BY061ML
InfoSphere Change Data Delivery for Netezza per Managed Server	InfoSphere Change Data Delivery v6.5.2 for Netezza Multiplatform Multilingual	BY061ML

## InfoSphere Data Replication for Netezza V10.1.2

InfoSphere Data Replication for Netezza Linux on System z per Managed Server	InfoSphere Data Replication 10.1.2 for Netezza Multiplatform Multilingual	BY062ML
InfoSphere Data Replication for Netezza per Managed Server	InfoSphere Data Replication 10.1.2 for Netezza Multiplatform Multilingual	BY062ML

## InfoSphere Change Data Delivery for Information Server for Netezza V6.5.2

InfoSphere Change Data Delivery for Information Server for Netezza per Managed Server	InfoSphere Change Data Delivery for Information Server for Netezza v6.5.2 Multiplatform Multilingual	BY066ML
InfoSphere Change Data Delivery for Information Server for Netezza Linux on System z per Managed Server	InfoSphere Change Data Delivery for Information Server for Netezza v6.5.2 Multiplatform Multilingual	BY066ML

## Cross-platform products

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### ***Cross-platform products for use on System z***

Order the part numbers that follow when the product is used for either the development of code that will be deployed on System z servers or when the product will be communicating or transferring data between a distributed server and a System z server. Otherwise order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement

### ***Cross-platform product for use on System z IFL engines***

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z IFL engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

## IBM InfoSphere Information Server

Part description	Part number
IBM InfoSphere Change Data Delivery for Information Server for Netezza	
IBM InfoSphere CDD IS Netezza Per Managed Server for Linux on System z Annual SW S&S RnwI	E0DFILL
IBM InfoSphere CDD IS Netezza Per Managed Server for Linux on System z Lic + SW S&S 12 Mo	D0NMHLL
IBM InfoSphere CDD IS Netezza Per Managed Server for Linux on System z SW S&S Reinstate 12 Mo	D0NMILL

IBM InfoSphere Change Data Delivery for Information Server  
 IBM InfoSphere CDD for IS Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E08SCLL  
 IBM InfoSphere CDD for IS Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0D17LL  
 IBM InfoSphere CDD for IS Per Processor Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0D18LL  
 IBM InfoSphere Change Data Delivery for Information Server for Non-Production Environments  
 IBM InfoSphere CDD for IS NP Env Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E08SELL  
 IBM InfoSphere CDD for IS NP Env Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0D1BLL  
 IBM InfoSphere CDD for IS NP Env Per Processor Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0D1CLL

### InfoSphere Change Data Capture

IBM InfoSphere Change Data Capture  
 IBM InfoSphere CDC Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E07BLLL  
 IBM InfoSphere CDC Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0A0XLL  
 IBM InfoSphere CDC Per Processor Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0A0YLL  
 IBM InfoSphere Change Data Capture for Non Production Environments  
 IBM InfoSphere CDC NP Env Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E07BMLL  
 IBM InfoSphere CDC NP Env Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0A0ZLL  
 IBM InfoSphere CDC NP Env Per Processor Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0A10LL  
 IBM InfoSphere Change Data Delivery for Netezza  
 IBM InfoSphere CDD Netezza Per Managed Server for Linux on System z Annual SW S&S Rnw1 E0DFCLL  
 IBM InfoSphere CDD Netezza Per Managed Server for Linux on System z Lic + SW S&S 12 Mo DONM5LL  
 IBM InfoSphere CDD Netezza Per Managed Server for Linux on System z SW S&S Reinstate 12 Mo DONM6LL  
 IBM InfoSphere Change Data Delivery  
 IBM InfoSphere CDD Per Process Value Unit for Linux on System z Annual SW S&S Rnw1 E07UELL  
 IBM InfoSphere CDD Per Process Value Unit for Linux on System z Lic + SW S&S 12 Mo D0B71LL  
 IBM InfoSphere CDD Per Process Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0B72LL  
 IBM InfoSphere Change Data Delivery for Non-Production Environments  
 IBM InfoSphere CDD for NP Env Per Process Value Unit for Linux on System z Annual SW S&S Rnw1 E07UGLL  
 IBM InfoSphere CDD for NP Env Per Process Value Unit for Linux on System z Lic + SW S&S 12 Mo D0B75LL  
 IBM InfoSphere CDD for NP Env Per Process Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0B76LL

### InfoSphere Data Replication

IBM InfoSphere Data Replication for Netezza  
 IBM InfoSphere Data Rep1 Netezza Per Managed Server for Linux on System z Annual SW S&S Rnw1 E0DFGLL  
 IBM InfoSphere Data Rep1 Netezza Per Managed Server for Linux on System z Lic + SW S&S 12 Mo DONMDLL  
 IBM InfoSphere Data Rep1 Netezza Per Managed Server for Linux on System z SW S&S Reinstate 12 Mo DONMELL  
 IBM InfoSphere Data Replication for Database Migration  
 IBM InfoSphere Data Replication for Database Migration FTL per Install for Linux on System z Initl FT Lic+S&S DONNJLL  
 IBM InfoSphere Data Replication for Database Migration FTL per Install for Linux on System z Subsq FT Lic+S&S E0DG1LL  
 IBM InfoSphere Data Replication  
 IBM InfoSphere Data Replication Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E0CPPLL  
 IBM InfoSphere Data Replication Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0L2TLL  
 IBM InfoSphere Data Replication Per Processor Value Unit for Linux on System z SW S&S Reinstate 12 Mo D0L2ULL



InfoSphere Data Replication for Non-Production Environments  
 IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit for Linux on System z Annual SW S&S Rnw1 E0CPMLL  
 IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit for Linux on System z Lic + SW S&S 12 Mo D0L2ILL  
 IBM InfoSphere Data Replication Non-Prod Env Per Processor Value Unit for Linux on System z SW S&S Reinststate 12 Mo D0L2JLL

## Trade-up licenses for Cross-platform products

### InfoSphere Data Replication

Precursor product	Trade-up product	Part number
InfoSphere Data Replication IBM InfoSphere Change Data Capture	IS Data Rep PVU Lnx z frm IS CDC PVU Lnx z Trade Up Lic + SW S&S 12 Mo	D0L2XLL
IBM InfoSphere Data Event Publisher Developer Edition	IS Data Rep PVU Lnx z frm IS Data Evnt Pub PVU Lnx z Trade Up Lic + SW S&	D0L2WLL
IBM InfoSphere Replication Server Developer Edition	IS Data Rep PVU Lnx z frm IS Rep Svr PVU Lnx z Trade Up Lic + SW S&	D0L2VLL
InfoSphere Data Replication for Non-Production Environments IBM InfoSphere Change Data Capture	IS Data Rep Non-Prod Lnx z PVU frm IS CDC Non-Prod Lnx z PVU Lic + SW S&	D0L2MLL
IBM InfoSphere Data Event Publisher Developer Edition	IS Data Rep Non-Prod Lnx z PVU frm IS Data Evnt Pub DE Lnx z AU Lic + SW S&	D0L2LLL
IBM InfoSphere Replication Server Developer Edition	IS Data Rep Non-Prod Lnx z PVU frm IS Rep Svr Dev Ed AU Lnx z Lic + SW S&	D0L2KLL

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IBM InfoSphere Change Data Delivery for Netezza for Information Server	5724-Q36	L-GMET-8MTQS3
InfoSphere Change Data Delivery for Netezza	5724-U70	L-GMET-8MTQJD

InfoSphere Change Data Delivery	5724-U70	L-GMET-8LWQFU
InfoSphere Change Data Capture	5724-U70	L-GMET-8LWQED
InfoSphere Data Replication for Netezza	5725-E30	L-GMET-8MTQ2K
InfoSphere Data Replication for Database Migration	5725-E30	L-GMET-8LWPZ5
InfoSphere Data Replication	5725-E30	L-GMET-8LWQ8U

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### **System i Software Maintenance applies**

No

### **Educational allowance available**

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## Prices

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