IBM Netezza Replication Services is designed to enable asynchronous replication between IBM Netezza 1000 series appliances for disaster recovery

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At a glance

This software solution is designed to enable asynchronous replication between IBM® Netezza® 1000 series appliances for disaster recovery. It is intended to provide near real-time asynchronous replication from master to subordinate. This enables distribution of data to remote data centers for data availability in the event of a disaster.

Overview

IBM Netezza Replication Services V1.1.0, is software solution designed to enable asynchronous replication between IBM Netezza 1000 series appliances. It is intended to deliver near real-time asynchronous replication from master to subordinate. It distributes data to remote data centers for data availability in the event of a disaster.

Features

Homogenous replication
This offering is the only available IBM solution for replicating changed data from an IBM Netezza appliance to another IBM Netezza appliance.

High Availability (HA)
A subordinate node is available for client applications to switch to for reads when a node fails.

Parallelism and Higher Scale (HS)
A subordinate node is available for client applications to connect to (based on criteria such as locality). The total number of clients that can be supported by a replicated system is greater than the number supported by a single node.

SQL-based replication
Replication captures, transmits, and replays SQL statements and bulk loads. The transmission of the original SQL update statements is intended to dramatically reduce bandwidth requirements between wide-area-network-connected appliances when compared to existing solutions, such as incremental backup-ftp-restore solutions which transmit the table row data changed by an update.
**Database selectivity**

Allow users to specify the subset of the database to replicate.

**Key prerequisites**

For details, refer to the Technical information section.

**Planned availability date**

September 21, 2012

**Program number**

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<th>Program number</th>
<th>VRM</th>
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<td>110</td>
<td>IBM Netezza Replication Services</td>
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**Product identification number**

Program PID number

5725-H87

**Offering Information**

Product information is available via the Offering Information website

http://www.ibm.com/common/ssi

**Publications**

No hardcopy publications are shipped with this program.

**Technical information**

**Specified operating environment**

**Hardware requirements**

- IBM Netezza 1000 Series Appliance
- Available 10GB Ethernet ports on each Netezza appliance, for both primary and standby hosts.
- A Persistent Transport System (PTS) per replication node. The following are the minimum hardware and system requirements for the PTS:
  - A server and storage array per replication node. Following are the base hardware for the server. For complete specifications, contact Your IBM representative and request a copy of the Site Preparation and Specifications: IBM Netezza Replication Services document.
  - x3650 Server with RHEL 5.7. For complete specifications, contact Your IBM representative and request a copy of the Site Preparation and Specifications: IBM Netezza Replication Services document.
  - DS3524 Storage array. For complete specifications, contact a Sales Specialist and request a copy of the “Site Preparation and Specifications: IBM Netezza Replication Services” document.
Software requirements
The program’s specifications and specified operating environment information may be found in documentation that accompanies 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

Lifecycle Notice
The IBM Netezza Replication Services software may only be used on an IBM Netezza 1000 Appliance. The lifecycle of the Appliance on which the IBM Netezza Replication Services software is installed applies to the IBM Netezza Replication Services software as well.

Planning information

Packaging
None

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

Consult your IBM representative.

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

Charge metric

<table>
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<td>IBM Netezza Replication</td>
<td>5725-H87</td>
<td>PVU</td>
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Processor Value Unit (PVU)

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 the website below) 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. The PVU table can be found at


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 (refer to the web page 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

* 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.

Notes

- 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.
- 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.
- 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.

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

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

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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.

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License Information form number
L-RMAA-8VES6E

Limited warranty applies
Yes

Money-back guarantee
If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)
No

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

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

Software Subscription and Support applies
No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

http://www.ibm.com/services/sl/products
**System i Software Maintenance applies**
No

**Variable charges apply**
No

**Educational allowance available**
Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

**ESAP available**
Yes, to qualified customers.

**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**

For all local charges, contact your IBM representative.

**Announcement countries**

All European, Middle Eastern, and African countries except

- Iran
- Sudan
- Syria

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