IBM Informix Hypervisor Edition V11.70 delivers increased deployment flexibility for IBM PureApplication System and VMware ESX environments managed by IBM Workload Deployer

At a glance

IBM® Informix® Hypervisor Edition V11.70:

- Optimizes Informix Ultimate Edition V11.70 for deployment into virtualized environments
- Provides an Informix Hypervisor with deployed functionality on Red Hat Enterprise Linux™ Server for the IBM Enterprise Linux Server and AIX®

Overview

IBM Informix Hypervisor Edition V11.70 is a combination of IBM Informix Edition and an operating system optimized to run in server virtualization environments, enabling higher hardware utilization, while allowing you to spend less time on installation and configuration, and more time on strategic initiatives. Informix Hypervisor Edition helps you rapidly deploy Informix database servers and the associated operating system. Informix Edition V11.70 gives you more deployment options and enhanced management capabilities for server virtualization environments across different virtualization technologies.

Informix Hypervisor Edition supports businesses of every size and includes advanced management to help decrease costs and grow your business. Informix Edition helps enable you and your partners to build a strong foundation and reduce cost through:

- Capabilities to speed the deployment of new database server infrastructure
- Operational efficiency and reliability
- Integrated management that provides security and control

Informix Hypervisor V11.70 builds upon decades of leadership to offer enhanced database and administrator productivity, and improved security, installation, and maintenance.

The following offerings are available for the virtualization technologies managed by IBM PureApplication™ System and IBM Workload Deployer:

- IBM PureApplication System:
  - IBM Informix Hypervisor Edition V11.70 on Red Hat Enterprise Linux Server; Red Hat subscription not required.

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- VMware ESX environments managed by IBM Workload Deployer:
    - IBM Informix Hypervisor Edition on Red Hat Enterprise Linux ; Red Hat subscription not required.
    - IBM Informix Hypervisor Edition on AIX ; AIX subscription required.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections for details.

Planned availability date

December 11, 2012: Electronic availability

December 11, 2012: Media availability

Availability of Programs with encryption algorithm in France is subject to French government approval.

Cryptography in this product is limited to password encryption, authentication or digital signature.

Description

IBM Informix Hypervisor Edition V11.70, supports the deployment of Informix Ultimate Edition database server by IBM PureApplication System and VMware ESX environments managed IBM Workload Deployer.

Informix Hypervisor Edition V11.70 combines the Informix Ultimate Edition and supported operating systems, optimized for Red Hat Enterprise Linux Server and AIX . It can take the form of a single database server or a member of a cluster of database servers.

By deploying and running Informix Hypervisor Edition in virtualized environments, you can better utilize hardware, which may ultimately reduce hardware, power, cooling, and real estate costs. Increased hardware utilization allows a single machine to be partitioned into multiple smaller virtual machines, each of which can run an instance of Informix Hypervisor Edition.

Highlights:

- Designed for the private cloud with flexibility and simplicity that further leverages Informix clustering and flexible grid technology.
- Enabled and optimized for IBM PureApplication System with simplified management through a single console.
- Delivers key strengths of the Informix Ultimate Edition - performance, resilience, and scalability.
- Has Database Edition Management that enables interruption-free database rollout. Databases can be upgraded without incurring outages to your end users.
- Allows for service policy management to reduce the risk of downtime and make fine-grained resource allocation decisions based on observed demand and configured policy.

IBM PureApplication System and IBM Workload Deployer are cloud computing appliances that manage Informix products in a cloud environment. The Informix Hypervisor image and system pattern can be dispensed into a pool of virtualized resources running a supported hypervisor. The optimization for deployment speed and agility enables an entirely new usage paradigm for the Informix database server built around rapid setup and provisioning.

Flexible deployment options

Flexible deployment options for IBM Informix Hypervisor Edition are available on Red Hat Enterprise Linux Server on x86 and AIX operating systems.

IBM PureApplication System W1500 (PureApplication System) is an expert integrated system. It combines the flexibility of a general-purpose system and the simplicity of an appliance. Integrated expertise throughout the system fundamentally changes the economics of IT. PureApplication System comes integrated from the IBM factory, architected by IBM experts. Informix Hypervisor Edition is optimized for IBM PureApplication System and is available as an add-on system pattern.

IBM Workload Deployer appliance is a cloud computing appliance that manages IBM WebSphere® products in a cloud environment. It dispenses patterns of virtual images into a pool of virtualized resources running a supported hypervisor. The optimization for deployment speed and agility enables an entirely new usage paradigm for Informix Ultimate Edition built around rapid setup and teardown. Databases can be based upon a standardized deployment that is destroyed and reinstalled after each use.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM website

http://www.ibm.com/able/product_accessibility/index.html

Reference information

For more information about Informix Ultimate Edition V11.70, refer to Software Announcement ZP10-0472, dated October 12, 2010 .

For more information about IBM PureApplication System, refer to Software Announcement ZP12-0151, dated April 11, 2012 .

For more information on IBM Workload Deployer V3.1, refer to Hardware Announcement ZG11-0315, dated October 04, 2011 .

Program number

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Program      VRM                     Program name
number

5725-H01    11.70.0                  BM Informix Hypervisor
                                      Edition for Red Hat
                                      Enterprise Linux Server
5725-H00    11.70.0                  IBM Informix Hypervisor
                                      Edition for AIX
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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 hardcopy publications are shipped with these products.

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 U.S.) 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.

Technical information

Specified operating environment

Hardware requirements

IBM Informix Hypervisor Edition V11.70 on Red Hat Enterprise Linux Server requires one of the following:

- IBM PureApplication System. For requirements for the IBM PureApplication System, refer to Software Announcement ZP12-0151, dated April 11, 2012 .
- IBM Workload Deployer V3.1. For requirements for IBM Workload Deployer V3.1, refer to Hardware Announcement ZG11-0315, dated October 04, 2011 .

IBM Informix Hypervisor Edition V11.70 on AIX requires the following:

- IBM Workload Deployer V3.1. For requirements for IBM Workload Deployer, refer to Hardware Announcement ZG11-0315, dated October 04, 2011 .

Current licenses for AIX, purchased as part of the Power Systems hardware and PowerVM setup, are required to use IBM Informix Hypervisor Edition V11.70 on VMware ESX environments managed by the IBM Workload Deployer.

Software requirements

Informix Hypervisor Edition V11.70 deployed using IBM Workload Deployer V3.1 requires:

- VMware ESX V4.0 or V4.1

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

Direct customer support

- IBM supports each Informix Hypervisor Edition for the lifecycle of the corresponding Informix Ultimate product version. All Informix Hypervisor Edition V11.70 offerings will have the same end-of-support date as Informix Ultimate Edition V11.70.
- Informix Hypervisor Edition requires you to have a separate license and support entitlement for the operating system. The operating system included in the

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Informix Hypervisor Edition offering is restricted to support of the virtualized product edition.

- 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.

IBM will provide support for the Red Hat Enterprise Linux Server component included in Informix Hypervisor Edition under the following conditions:

- The Red Hat Enterprise Linux Server component is used only in conjunction with Informix Hypervisor Edition.
- The version of Red Hat Enterprise Linux Server is a version supported by Red Hat.

IBM may ask customers to move up to the latest Red Hat Enterprise Linux Server support level. IBM , in turn, will upgrade the version of the underlying Red Hat Enterprise Linux Server during the Informix Hypervisor Edition support lifecycle to maintain the operating system support. Customers with active Passport Advantage subscription and support are entitled to this upgrade.

Packaging

Informix Hypervisor Edition includes Informix Ultimate Edition V11.70 with optionally selectable products that operate with the Red Hat Enterprise Linux Server and PowerVM® .

The software delivered on physical media is packaged as follows:

- IBM Informix Hypervisor Edition V11.70 for Red Hat Enterprise Linux Server is shipped on two DVDs containing a System Pattern and Hypervisor Image, respectively.
- IBM Informix Hypervisor Edition V11.70 for AIX is shipped on two DVDs containing a System Pattern and Hypervisor Image, respectively.

For the convenience of licensees, IBM Informix Hypervisor Edition V11.70 for Red Hat Enterprise Linux Server program is accompanied by the Red Hat Enterprise Linux Server program, which is a third-party operating system. The operating system is not part of the IBM program, and is licensed directly by the operating system provider (for example, Red Hat Inc.) to licensees. IBM is not a party to the license between the licensees and the third-party operating system provider, and includes the third-party operating system " **as is** ", without representation or warranty, express or implied, including any implied warranty of merchantability, fitness for a particular purpose or noninfringement.

The applicable IBM International Program License Agreement (IPLA) and the separate Red Hat operating system license agreement will be presented for acceptance at download or at the time of installation of the program and then stored in a LICENSE.TXT file or similar directory.

Program technical support

IBM supports each Informix Hypervisor Edition for the lifecycle of the corresponding Informix Ultimate Edition product version. All Informix Hypervisor Editions will have the same end-of-support date as the Informix Ultimate Edition product. You are eligible to obtain technical support for the Informix Hypervisor Edition, 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.

Informix Hypervisor Edition V11.70 on Red Hat Enterprise Linux Server

IBM will provide support for the Red Hat Enterprise Linux Server component included in Informix Hypervisor Edition under the following conditions:

- The Red Hat Enterprise Linux Server component is used in conjunction with the Informix Hypervisor Edition.
- The version of Red Hat Enterprise Linux Server is supported by Red Hat.

IBM may ask customers to move up to the latest Red Hat Enterprise Linux Server support level. IBM , in turn, will upgrade the version of the underlying Red Hat Enterprise Linux Server during the Informix Hypervisor Edition support lifecycle to maintain the operating system support. Customers with active Passport Advantage subscription and support are entitled to this upgrade.

Security, auditability, and control

IBM Informix Hypervisor Edition for Red Hat Enterprise Linux Server 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

http://www-306.ibm.com/software/support/pa.html

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http://www.ibm.com/partnerworld/wps/bplocator/

Product information

Licensed function title	Product group	Product category
IBM Informix Hypervisor Edition for AIX	IBM Informix Servers	Informix Editions
IBM Informix Hypervisor Edition	IBM Informix	Informix

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    for Red Hat Enterprise Linux      Servers         Editions
    Server

    Program name                      PID              Charge unit
                                      number           description

    IBM Informix Hypervisor Edition for   5725-H00     Per Processor
     AIX                                                 Value Unit (PVU)
    IBM Informix Hypervisor Edition for   5725-H01     Per Processor
     Red Hat Enterprise Linux Server                    Value Unit (PVU)
```

Charge metrics definitions

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

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 (refer to the 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

* 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 program licenses

IBM Informix Hyper Ed for Red Hat Ent Lnx Srv

Part description	Part number
IBM Informix Hypervisor Edition for Red Hat Linux Server	
Ifmx Hyper Ed f RH Ent LxSrv Processor Value Unit Annual SW S&S Rnwl	E0E0RLL
Ifmx Hyper Ed f RH Ent LxSrv Processor Value Unit Lic + SW S&S 12 Mo	D0QBSLL
Ifmx Hyper Ed f RH Ent LxSrv Processor Value Unit SW S&S Reinstate 12 Mo	D0QBTLL

IBM Informix Hypervisor Edition for AIX

Part description	Part number
IBM Informix Hypervisor Edition for AIX	
Infmx Hypervisor Ed for AIX Processor Value Unit Annual SW S&S Rnwl	E0E0QLL
Infmx Hypervisor Ed for AIX Processor Value Unit Lic + SW S&S 12 Mo	D0QBPLL
Infmx Hypervisor Ed for AIX Processor Value Unit SW S&S Reinstate 12 Mo	D0QBQLL

Passport Advantage trade-up licenses

IBM Informix Hyper Ed for Red Hat Ent Lnx Srv

Precursor product	Trade-up product	Trade-up part number
IBM Informix Hypervisor Edition for Red Hat Enterprise Linux Server		
IBM Informix Ultimate Edition CPU Option	Ifmx Hyper Ed f RH Ent LxSrv Per Processor Value Unit (PVU) Trade Up Lic +	D0QBULL

IBM Informix Hypervisor Edition for AIX

Precursor product	Trade-up product	Trade-up part number
IBM Informix Hypervisor Edition for AIX		
IBM Informix Ultimate Edition CPU Option	Infmx Hypervisor Ed for AIX Per Processor Value Unit (PVU) Trade Up Lic +	D0QBRLL

Passport Advantage supply

Program name/description	Part number
Ifmx Hyper Ed f RH Ent LxSrv V11.70.0	
IBM Informix Hypervisor Edition 11.70 for RHEL Server English Media Pack	BB1DGEN
Infmx Hypervisor Ed for AIX V11.70.0	
IBM Informix Hypervisor Edition 11.70 for AIX English Media Pack	BB1DHEN

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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.

Infmx Hypervisor Ed for AIX V11.70.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Informix Hypervisor Edition for AIX Per Processor Value Unit	IBM Informix Hypervisor Edition 11.70 for AIX English Media Pack	BB1DHEN

Ifmx Hyper Ed f RH Ent LxSrv V11.70.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Informix Hypervisor Edition for Red Hat Enterprise Linux Server Per Processor Value Unit	IBM Informix Hypervisor Edition 11.70 for RHEL Server English Media Pack	BB1DGEN

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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.

License Information form numbers

Program name	Program number	Form number
IBM Informix Hyper Ed for Red Hat Ent Lnx Srv	5725-H01	L-DDAY-8SLU7C
IBM Informix Hypervisor Edition for AIX	5725-H00	L-DDAY-8UYUF3

The program's License Information will be available for review on the IBM Software License Agreement website

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

Limited warranty applies

Yes

Limited warranty

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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 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 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.

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For clarification, note that 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 for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

International Passport Agreement

Volume orders (IVO)

No

Passport Advantage applies

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System i Software Maintenance applies

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 .

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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.

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