



IBM Transactional Database Pattern and IBM Data Mart Pattern deliver affordable data management solutions for private cloud computing

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At a glance

Providing Database as a Service for your IT infrastructure just got easier with two IBM® database workload patterns and its hosting appliance, Workload Deployer. Transactional Database Pattern and Data Mart Pattern enable you to provision departmental OLTP database and data mart deployment to a private cloud by:

- Delivering best practices designed for repeated, consistent, and secure database deployment
- Automating database deployments with centralized security, deployment, and logging features
- Empowering the application group within IT to provision databases and data marts with minimal effort

Overview

Transactional Database Pattern supersedes Workload Pattern for DB2® Workgroup Server Edition. It delivers the transactional database service component for the Workload Deployer workload pattern portfolio. Workload patterns are stacks of IBM software tailored for a particular purpose designed to help reduce the total cost of ownership for many categories of applications. The Transactional Database Pattern offering provides a set of capabilities that are essential to the provisioning and management of transactional database infrastructure for datacentric applications in a secure, private cloud.

Transactional Database Pattern V1.1 broadens data workload services of its predecessor with Data Mart Pattern by delivering best practices for provisioning data marts and providing a affordable solutions to offer data marts environments on the cloud. Both Transactional Database Pattern and Data Mart Pattern now support deployment options for AIX® as well as Linux™ environments.

Optimized for the Workload Deployer appliance, Transactional Database Pattern and Data Mart Pattern deliver deployment solutions for provisioning databases and data marts respectively in the private cloud. The solutions can help Information Technology (IT) reduce operational complexity by enabling self-service features that empower the application group to provision transactional database and data marts for their applications and reporting needs. These two products can help IT to cost effectively deploy and manage database infrastructure by:

- Enabling self-service for the application group within IT to provision transactional databases simply and securely

- Reducing time required for administering transactional databases and data marts, so more resources can be devoted to developing new solutions and innovation

What is new in Transactional Database Pattern

- Database cloning
- Automated virtual machine deployment sizing templates on both Linux and AIX
- Automated database backup scheduling
- Enhanced diagnostic tools and integration with IBM Data Studio
- Affordable licensing for nonproduction environments

Data Mart Pattern shares all the characteristics and key features of Transactional Database Pattern and is tuned for the unique I/O throughput required of data mart workloads, including data compression capabilities and data movement tools. All designed to help you to move the business forward with the information needed without delay.

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

Key prerequisites

- IBM Workload Deployer V3.1
- IBM Workload Deployer Image for AIX, V1.0 running a supported hypervisor or
- IBM Workload Deployer Image for x86 V1.0 running a supported hypervisor

Planned availability date

November 18, 2011

- Electronic availability
- Media availability

Description

Transactional Database Pattern provides a set of capabilities that are essential to the provisioning and management of transactional database infrastructure for datacentric applications in a secure, private cloud. Through the simplified interface on the Workload Deployer appliance, the Operations Groups within IT can prescribe new Online Transaction Processing (OLTP) database deployments. The interface enables the efficient interchange of database demand and provisioning between users of Operations and Application groups within a private cloud.

Through automation of provisioning database infrastructure, IT can address the demand for new applications for the business rather than being consumed with repetitive tasks of typical database provisioning.

Data Mart Pattern is similar to the Transactional Database Pattern, but deploys data marts including configuring the unique memory and disk requirements for this type of workload. Data Mart Pattern includes data compression for improved performance in a shared disk environment typical to cloud data mart deployment.

The Data Mart Pattern that shares the simplified interface on the Workload Deployer appliance, IT can easily prescribe new data mart deployments. Again, IT can accommodate the demand for the business analysis rather than being consumed with repetitive tasks of typical data mart provisioning.

Once the Operations Group configures the transactional database or data mart workload in Workload Deployer, the Transactional Database Pattern and Data Mart Pattern are designed to allow the Application Group to confidently deploy a database to support these departmental OLTP applications or a data mart to support new business analysis within a few mouse clicks.

New in Version 1.1 is the ability to provision nonproduction transactional database and data mart environments. These deployments are seamlessly set up and configured on your hardware registered with Workload Deployer. These deployments are tracked from within Workload Deployer for the Operations Group.

Upon deployment, the database administrator (DBA) within Operations Group has peace of mind that the database or data mart is being deployed in a trusted fashion designed to perform well in the private virtual environment. Based on years of experience with client deployments, different methods are applied for transactional database and data mart requirements for the memory, disk, operating system configurations which are applied according to the workload.

The deployment best practices are also designed to secure the user access control for the transactional database, data mart and the operating system. The user is quickly presented the connection parameters once the database is launched and is available.

Transactional Database Pattern uses a simple approach enabling the operation group to support the majority of transactional database deployments within an enterprise. While this simplified approach precludes highly customized database requirements, it helps IT to deliver more value to the business with fewer resources without sacrificing quality and consistency for database deployments. Furthermore deployments using this practice help reduce time to value through with increased efficiencies between applications and operations groups.

Also, new in Version 1.1, Transactional Database Pattern and Data Mart Pattern now support database cloning enabling IT to clone database deployments. IT now can capture changes to the database and data mart deployment through cloning which is common with an iterative development environment. Also new in Transactional Database Pattern and Data Mart Pattern now provides a means to automate database backups as well as provide scheduling options for database backups to Tivoli® Storage Manager facilities.

Transactional Database Pattern and Data Mart Pattern improve on the deployment sizing enabling IT to increase the usage of the cloud environment. Also, new in Version 1.1, IBM AIX-based PowerVM™ are now supported for your private cloud in conjunction with existing Linux-based environments.

Workload Deployer V3.1

Workload Deployer manages Data Mart Pattern and Transactional Database Pattern with the same infrastructure support as offered for "topology patterns" built on Hypervisor Edition images. Specifically, Workload Deployer offers license management capability, including the ability to set thresholds designed to prevent individual users from putting a department over their license entitlement position.

Transactional Database Pattern supersedes Workload Pattern for DB2 Workgroup Server Edition. For details, refer to Software Announcement [211-254](#), dated June 7, 2011.

For more information on Workload Deployer, refer to Hardware Announcement [111-202](#), dated October 4, 2011.

Workload Deployer Image for AIX V1.0¹ running a supported hypervisor or Workload Deployer Image for x86 V1.0² running a supported hypervisor.

¹ For more information about Workload Deployer Image for AIX V1.0, refer to Software Announcement [211-414](#), dated October 4, 2011.

- 2** For more information about Workload Deployer Image for x86 V1.0, refer to Software Announcement [211-140](#), dated April 5, 2011.

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

Section 508 of the US Rehabilitation Act

Transactional Database Pattern and Data Mart Pattern are capable as of November 18, 2011, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following website

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

Program number

Program number	VRM	Program name
5725-F48	1.1.0	Data Mart Pattern
5725-F36	1.1.0	Transactional Database Pattern

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 System x® servers supporting VMware ESX V4.1, V4.0 U1, or later or V3.5 U5, or later

Software requirements

- Workload Deployer V3.1
- VMware ESX V4.1, V4.0 U1, or later, or V3.5 U5, or later
- Workload Deployer Image for X86 V1.0

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

Both Data Martpattern and Transactional Database Pattern are preloaded on the Workload Deployer V3.1.

Packaging

Transactional Database Pattern

- Transactional Database Pattern - Quick Start and Activation CD
- Transactional Database Pattern DVD
- Data Studio - Quick Start CD
- Data Studio full client DVDs
- Data Studio web console DVDs

Data Mart pattern

- Data Mart Pattern - Quick Start and Activation CD
- Data Mart Pattern DVD
- InfoSphere® Warehouse Client DVD
- Data Studio - Quick Start CD
- Data Studio full client DVDs
- Data Studio web console DVDs

Security, auditability, and control

Transactional Database Pattern uses the security and auditability features of the host hardware or software.

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

Ordering information

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

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

For more information about IBM Software ValueNet, visit

http://www-01.ibm.com/software/lotus/passportadvantage/IBM_SW_ValueNet.html

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Product information

Licensed function title	Product group	Product category
IBM Data Mart Pattern	IBM Database 2	DB2
IBM Transactional Database Pattern	IBM Database 2	DB2
Program name	PID number	Charge unit description
IBM Data Mart Pattern	5725-F48	Per Virtual Server
IBM Transactional Database Pattern	5725-F36	Per Virtual Server

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.

Passport Advantage program licenses

Data Mart Pattern

Part description	Part number
IBM Data Mart Pattern	
IBM Data Mart Pattern Per Virtual Server Annual SW S&S Rnw1	E0CXDLL
IBM Data Mart Pattern Per Virtual Server Lic + SW S&S 12 Mo	D0LJGLL
IBM Data Mart Pattern Per Virtual Server SW S&S Reinstate 12 Mo	D0LJHLL

Transactional Database Pattern

IBM Transactional Database Pattern	
IBM Transactional Database Pattern Per Virtual Server Annual SW S&S Rnw1	E0CXCLL
IBM Transactional Database Pattern Per Virtual Server Lic + SW S&S 12 Mo	D0LJELL
IBM Transactional Database Pattern Per Virtual Servr SW S&S Reinstate 12 Mo	D0LJFLL

Passport Advantage supply

Program name/description	Part number
Transactional DB Pattern V1.1.0 IBM Transactional Database Pattern V1.1	BB190ML

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.

Transactional DB Pattern V1.1.0

Entitled maintenance offerings description	Media packs description	Part number
Transactional Database Pattern Virtual Server	IBM Transactional Database Pattern V1.1	BB190ML

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License Information form number

Program name	Program number	Form number
Data Mart Pattern	5725-F48	L-VACA-8KFU9L
Transactional Database Pattern	5725-F36	L-VACA-8KFMQ5

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

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

Limited warranty applies

Yes

Money-back guarantee

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.

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Volume orders (IVO)

No

Passport Advantage applies

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IBM Operational Support Services - SoftwareXcel

No

System i Software Maintenance applies

No

Educational allowance available

Not applicable.

Prices

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