IBM CICS VSAM Transparency for z/OS, V1.1 enables data migration from VSAM files to DB2 tables

Overview
IBM CICS® VSAM Transparency (CICS VT) for z/OS®, V1.1 enables the migration of data from VSAM files to DB2® tables. It ensures continued access to the data in DB2, without modification to the CICS or batch VSAM application programs, and with only minor changes to CICS and batch configuration.

CICS VT is a set of conversion tools and a run-time management control component. The conversion tools include all the utilities required to convert VSAM key sequenced data sets (KSDS) and relative record data sets (RRDS) files to DB2, including Dynamic Load Library (DLL) generation and data migration. The run-time component intercepts the application program’s original and unaltered VSAM calls, processes them in DB2, and then returns the results to the calling program.

Key prerequisites
- OS/390® V2.10 or z/OS V1.1, or later
- CICS Transaction Server for OS/390, V1.3 (5655-147)
  or
- CICS Transaction Server for z/OS, V2 (5697-E93)

Planned availability date
March 26, 2004

At a glance
If you have CICS and batch applications with data in VSAM files and would like to move that data to DB2, but have been deterred by cost, time, and lack of resource, then you will be very interested in the new IBM CICS VSAM Transparency for z/OS, V1.1.

This product was created to meet customer demand for a CICS solution that unlocks business-critical data from VSAM to a full relational database, DB2. So why not take advantage of:
- Single source of production data
- Single database administrator (DBA) skill set required
- Migration of individual VSAM data when required
- New applications that can be fully DB2-based
- Investment preservation in legacy applications

For ordering, contact:
Your IBM representative, an IBM Business Partner, or the Americas Call Centers at 800-IBM-CALL

Reference: LE001
<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
</table>
| CICS VSAM Transparency for z/OS, V1.1 meets the CICS customer demand for a solution that will enable the unlocking of business-critical data from VSAM to a fully relational database, DB2. CICS VT is a product designed to:  
- Facilitate the migration of VSAM data on a file by file basis to DB2 tables  
- Provide a run-time environment to enable CICS or batch applications, without change, to access data in DB2 instead of VSAM CICS VT has an ISPF dialog interface and includes:  
- Full customization facilities  
- Data mapping, from VSAM structure to DB2 tables using the Auto Mapping feature with manual invention as required |

**Accessibility by people with disabilities**

CICS VSAM Transparency for z/OS, V1.1 is operated using the keyboard. The product displays standard 3270 panels which have been tested for use by people with visual impairment using the JAWS screen reader. The product documentation is provided in softcopy (PDF) format.

**Section 508 of the U.S. Rehabilitation Act**

CICS VSAM Transparency for z/OS is capable as of March 26, 2004, when used in accordance with IBM’s associated 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.

**Value Unit based pricing**

Value Unit based pricing will help to align the prices of these products to the principle of the PSLC pricing curve which provides for a lower price per MSU (millions of service units per hour) for larger capacities.

There is also be a price benefit when customers grow their capacity. Additional capacity will based on the number of Value Units (MSUs) the customer has already installed, for example, additional capacity will not be priced starting at the base with a higher price per unit but on the capacity that is already installed.

Note that Value Units of a given product cannot be exchanged/interchanged/aggregated with Value Units of another product.

**IPLA and Subscription and Support considerations**

IPLA licenses can be transferred from one machine to another within, but not limited to, an enterprise. The customer may aggregate the capacity for all the processors the product is operated on to achieve a more economic price. This will result in a single Proof of Entitlement. It is the customer’s responsibility to manage the distribution of Value Units within the limits of the entitlement of the product license.

Subscription and Support must cover the same capacity as the product license entitlement. Subscription and Support will be available in the country in which the agreement is made.

<table>
<thead>
<tr>
<th>Product positioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CICS VSAM Transparency for z/OS, V1.1 is a member of the CICS portfolio of tools. It is positioned to complement DB2 where CICS and batch users have already planned, or are considering to move, some of their existing VSAM files to DB2.</td>
</tr>
</tbody>
</table>

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IBM US
Announcement
Supplemental Information
February 17, 2004

Education support
No education course is available for this product. However, an online technical presentation and Q & As will be available after planned availability at
http://www.ibm.com/cics

Offering information
Product information will be available on day of announcement through the Offering Information Web site at
http://www.ibm.com/common/ssi

Publications
The IBM Publications Center
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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 50 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries free of charge.

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The Publications Notification System (PNS) enables subscribers to set up profiles of interest by order number/product number. PNS subscribers automatically receive notifications by e-mail of all new publications defined in their profiles. These may then be downloaded via the Publications Center. The site is available in English and Canadian French.

The following hardcopy publication is shipped with this product:

<table>
<thead>
<tr>
<th>Title</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CICS® VSAM Transparency for z/OS — Program Directory</td>
<td>GI10-2581</td>
</tr>
</tbody>
</table>

The following publication is available only in PDF format, softcopy:

<table>
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<tr>
<th>Title</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CICS VSAM Transparency for z/OS — User’s Guide</td>
<td>SC34-6343</td>
</tr>
</tbody>
</table>

All publications are available in PDF format. This is only provided by download from the IBM Publications Center Web site at
http://www.ibm.com/shop/publications/order
If the User’s Guide is required in hardcopy, it can be printed from the PDF file.

Technical information

Specified operating environment

Hardware requirements: CICS VSAM Transparency for z/OS, V1.1 runs on any S/390® or IBM® @server zSeries® machine on which the applicable CICS Transaction Server will run.

Software requirements

CICS VSAM Transparency for z/OS requires:
- OS/390® V2.10 or z/OS V1.1, and later
- CICS Transaction Server for OS/390, V1.3 (5655-147),
or
- CICS Transaction Server for z/OS, V2 (5697-E93)

Planning information

Packaging
- IBM International Program License Agreement in multilingual booklet (Z125-3301)
- License Information for CICS VSAM Transparency for z/OS, V1.1 (SC34-6344) in multiple languages
- Proof of Entitlement
- Program Directory for CICS VSAM Transparency for z/OS, V1.1, (GI10-2581)
- 3480 1/2-inch tape cartridge, containing a Customized Offering (CBPDO or ServerPac) delivery of all components of the product

Security, auditability, and control

CICS VSAM Transparency for z/OS, V1.1 uses the security and auditability features of the base CICS Transaction Server for OS/390 or CICS Transaction Server for z/OS and DB2® with which it is operating.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.
CICS VSAM Transparency for z/OS, V1.1 is a mainframe product licensed by the International Program License Agreement. It has a single charge unit, based on Value Units.

**New licensees:** The CFSW configurator stand-alone path for 5697-I76 will be updated to support price proposals on February 17, 2004. For 5697-I76, media is only shipped via Customized Offerings (ServerPac, SystemPac®, and CBPDO). CFSW configuration and order entry capability will commence with CBPDO on March 23, 2004.

**Value Unit exhibit VUE007**

<table>
<thead>
<tr>
<th>MSUs minimum</th>
<th>MSUs maximum</th>
<th>Value units/MSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tier A</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46</td>
<td>175</td>
</tr>
<tr>
<td>Tier C</td>
<td>176</td>
<td>315</td>
</tr>
<tr>
<td>Tier D</td>
<td>316</td>
<td>+</td>
</tr>
</tbody>
</table>

**Value Units for non-MSU-based S/390 processors:**

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Value Units/machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP3000 H30</td>
<td>6</td>
</tr>
<tr>
<td>MP3000 H50</td>
<td>8</td>
</tr>
<tr>
<td>MP3000 H70</td>
<td>12</td>
</tr>
<tr>
<td>ESL Models</td>
<td>2</td>
</tr>
</tbody>
</table>

**Ordering example:** The total number of Value Units is calculated according to the following example.

If the customer has installed 1,500 MSUs, the applicable Value would be:

**Translation from MSUs to Value Units**

<table>
<thead>
<tr>
<th>MSUs</th>
<th>Value Units/MSU</th>
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<tr>
<td>Base</td>
<td>3</td>
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<tr>
<td>Tier A</td>
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<td>0.45</td>
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<tr>
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<td>130</td>
<td>0.36</td>
</tr>
<tr>
<td>Tier C</td>
<td>140</td>
<td>0.27</td>
</tr>
<tr>
<td>Tier D</td>
<td>1,185</td>
<td>0.20</td>
</tr>
</tbody>
</table>

Total 1,500 343.50

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

**Example:** In the above ordering example, for the product running on a machine with 1,500 MSUs requiring 344 Value Units, order feature number 0001, quantity 94, and feature number 0002, quantity 1.

**Ordering z/OS through the Internet**

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where it is not available yet, contact your IBM representative (or Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at


The products in this announcement have one charge unit — Value Units.

Value Units for IBM 9672 Processors will be based upon the full capacity of these systems. This is applicable to all S/390-based systems that are measured on MSU capacity. Information on MSU capacities can be found in the “IBM System/370™, System/390® and zSeries Machine Exhibits”, Z125-3901.

Value Units for zSeries will be based upon full MSU capacity as defined in the Machine Exhibits.

There will be a tool available that provides support for transforming the MSU-based capacities of S/390 systems to new Value Units by calculating the applicable number of Value Units for a given number of MSUs.

**Basic license:** To order, specify the program number, feature number 9001 for asset registration, and the one-time charge (OTC) feature number. Also specify the feature number of the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

**Ordering example:** The total number of Value Units is calculated according to the following example.

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**Translation from MSUs to Value Units**

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When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

**Example:** In the above ordering example, for the product running on a machine with 1,500 MSUs requiring 344 Value Units, order feature number 0001, quantity 94, and feature number 0002, quantity 1.
Note: The products in this announcement are available with IBM Software On Off Capacity on Demand (OCoD).

For additional information on OCoD, refer to Software Announcement 203-202, dated August 12, 2003.

OTC = One-time charge
CoDTUC = Capacity on Demand Temporary Use Charge

Subscription and Support
To receive voice technical support via telephone during normal business hours, and upgrades at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the support program number (in this case, 5697-177) and feature number 9001 for asset registration. IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Support (IAAS). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone during normal business hours.
- Entitles customers to product upgrades at no additional charge. Note that the customer is not entitled for new products.

Once Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by the customer.

Limited warranty applies: Yes

Warranty: This program has warranty for a minimum of one year from acquisition from IBM or authorized Business Partner. The warranty provided to the customer, for at least one year from acquisition, is access to databases (read Web sites) for program information, FAQs, including any known fixes to defects, which the customer can download or obtain otherwise and install at their leisure.

Program technical support: Technical support of a program product will be available for a minimum of three 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, releases, and versions of the program. Customers 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 Business Partner. This extension may be available for a fee.

Program support: Enhanced support, called Subscription and Support, includes telephone assistance (voice support for defects during normal business hours) as well as access to updates, releases, and versions of the program as long as support is in effect. The customer will be notified of discontinuance of support with 12 months notice.

Money-back guarantee: If for any reason you are dissatisfied with the program, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund. This applies only to your first acquisition of the program.

Copy and use on home/portable computer: No

Volume orders (IVO): No

Passport Advantage® applies: No

Software Maintenance 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 newly announced 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 SoftwareXcel offering, refer to our Web site at

http://www.ibm.com/services/sl/products

For additional information on the revised IBM Operational Support Services, refer to Services Announcement 601-023, dated July 10, 2001.

IBM Operational Support Services — SoftwareXcel: Yes

AIX® /UNIX® Upgrade Protection applies: No

Entitled upgrade for current AIX/UNIX Upgrade Protection licensees: No

iSeries™ Software Subscription applies: No

Variable charges apply: No

Educational allowance available: Yes, 15% education allowance applies to qualified education institution customers.

Sub-capacity charges terms and conditions

IBM @server zSeries software charges at less than full machine capacity for eligible tools apply when z/OS is running in z/Architecture™ (64 bit) mode on a zSeries 900, no other MVS™-based operating system is licensed to that server, and the required information is provided by the customer in accordance with the applicable terms.

Sub-capacity charges for an eligible tool is based on the z/OS product defined capacity. To obtain charges at less than full machine capacity for eligible tools, the customer is required to:

- Determine the MSUs needed for each machine on which the tools will run. Only machines on which the customer has implemented sub-capacity Workstation License Charges (WLC) according to the above terms and conditions, are eligible for charges at less than full machine capacity for the tools.
- Use the product defined capacity for z/OS (as specified on the Sub-Capacity Reports submitted to IBM for sub-capacity WLC) as the sub-capacity (MSUs) for each tool.
- Submit any additional MSUs and/or Value Units required for each product along with the current entitlement in Value Units for each product.

Sub-capacity charges for tools

To be eligible for sub-capacity charges for tools, the machine on which the tools are running must be eligible for WLC sub-capacity charges terms and conditions. The customer must have signed the Attachment for zSeries Workload License Charges-Pre-ILM, Z125-6516, and submitted at least one Sub-Capacity Report to IBM as defined in the attachment.

With sub-capacity charges, the charge for an eligible tool is based on the z/OS product defined capacity. To obtain charges at less than full machine capacity for each eligible tool for each machine, the customer should:

- Determine the MSUs needed for the machine on which the tools will run. In a data sharing environment, determine the aggregate MSUs needed on the machine where the tools run. Use the product defined capacity (MSUs) for z/OS (as specified on the Sub-Capacity Reports submitted to IBM for sub-capacity WLC) as the sub-capacity (MSUs) for each Tool.
- Submit any additional MSUs and/or Value Units required for each product along with the current entitlement in Value Units for each tool.
- If the use of sub-capacity pricing terms for tools results in a reduced requirement for Value Units, thus freeing up entitlements, customers can reallocate the entitlement difference by distributing the Value Units across a larger or different set of systems, or reserve them for future growth. There will be no refunds for these freed up Value Units. Subscription and Support volumes and entitlements for existing contracts will continue to be at the same levels as the acquired licenses.

Management of the Value Unit entitlements continues to be a customer responsibility. If one of the following occur on a machine to which tools are licensed, the customer must determine if additional Value Units and Subscription and Support need to be ordered for those tools to cover the increase:

- The z/OS defined capacity is increased.
- The requirements for WLC sub-capacity charges are no longer met.

On/Off Capacity on Demand

To be eligible for On/Off Capacity on Demand pricing, customers must be enabled for temporary capacity on the corresponding hardware, and the required contract — Z125-6611, Attachment for Customer Initiated Upgrade and IBM @server On/Off Capacity on Demand — must be signed prior to use.

<table>
<thead>
<tr>
<th>Description</th>
<th>Program number</th>
<th>OTC feature number</th>
<th>OTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CICS VSAM Transparency for z/OS, V1</td>
<td>5697-I76</td>
<td>0001</td>
<td>3,500</td>
</tr>
<tr>
<td>Per Value Unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per 250 Value Units</td>
<td>0002</td>
<td>875,000</td>
<td></td>
</tr>
<tr>
<td>MSU Day Authorizations:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per 1 MSU/day On CoDTUC</td>
<td>0003</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Off CoDTUC</td>
<td>0004</td>
<td>3,500</td>
<td></td>
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<tr>
<td>Per 250 MSU/days</td>
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<td></td>
<td></td>
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<tr>
<td>On Off CoDTUC</td>
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</table>

OTC = One-Time Charge
CoDTUC = Capacity on Demand Temporary Use Charge
## Subscription and Support

<table>
<thead>
<tr>
<th>Description</th>
<th>Program number</th>
<th>Annual support charge feature number</th>
<th>Annual charge</th>
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<tbody>
<tr>
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<td>$ 525</td>
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<td>Per Value Unit</td>
<td></td>
<td></td>
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<tr>
<td>Per 250 Value Units</td>
<td>0002</td>
<td>131,250</td>
<td></td>
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<tr>
<td>Decline SW</td>
<td>0003</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Subscription and Support, No Charge Per MSU/day (no charge)</td>
<td>0006</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Registration Per 250 MSU/days (no charge)</td>
<td>0007</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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  Canada M3B 3R1

Reference: LE001

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