



IBM Transparent Data Migration Facility for z/OS V5 and IBM z/OS Data Set Mobility Facility V3 data migration software now offered by IBM Systems and Technology Group

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At a glance

IBM® Transparent Data Migration Facility for z/OS® (TDMF® z/OS) and IBM z/OS Data Set Mobility Facility (zDMF) data migration software will be offered by IBM Systems and Technology Group. TDMF z/OS is ideal for migrating data onto your new IBM System Storage® system, including DS8870, without being limited by the storage vendor. For clients with critical data sets attached to z systems, zDMF can also be added for data set level migration projects.

Data migration services labor is available separately. Data migration services by IBM are highly recommended for TDMF z/OS. It is also highly recommended for zDMF as data set migration requires special planning.

TDMF z/OS and zDMF may be ordered independently for customers desiring ongoing use of the software by million service units (MSU). This will be available through Shopz.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

The IBM Storage Systems division now offers IBM TDMF z/OS and IBM zDMF data migration software.

The use of the TDMF z/OS solution enables nondisruptive, volume-based, heterogeneous storage migrations with continuous transparent access to all applications and data.

The use of the zDMF solution enables z/OS dataset level, heterogeneous storage migrations with continuous transparent access to all applications and data with minimal to no disruption.

IBM Services continue to remain available to assist you in performing the data migration planning and performance of your data migration projects.

TDMF z/OS 5.5.0 and zDMF 3.2.5 are the currently available versions.

Key prerequisites

None

Planned availability date

July 11, 2014

Description

IBM TDMF z/OS host-based data migration software allows you to migrate your storage data at the volume level from IBM or non-IBM storage while your applications remain online. For critical data sets, IBM zDMF host-based data migration software allows you to migrate your storage data at the data set level from IBM or non-IBM storage while your applications remain online. These products are ideal for use when moving data onto new storage systems.

The software is available for purchase based on the number of MSUs in your System z® environment.

Value Unit-based pricing

Value Unit pricing for eligible IBM System z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, MSU is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool website

<http://ibm.com/zseries/swprice/vuctool>

Note: The Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Program number

Program number	VRM	Program name
5655-TZ5	5.5.0	IBM Transparent Data Migration Facility for z/OS
5655-TZA	1.1.0	IBM Transparent Data Migration Facility for z/OS S&S
5655-ZZ3	3.2.5	IBM z/OS Data Set Mobility Facility
5655-ZZA	1.1.0	IBM z/OS Data Set Mobility Facility S&S

Product identification number

Program PID number	Subscription and Support PID number
5655-TZ5	5655-TZA
5655-ZZ3	5655-ZZA

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=214-290>

Offering Information

Product information is available via the Offering Information website

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

Publications

TDMF z/OS

Title	Order number
TDMF z/OS Installation Assurance Guide for V5R5	TDM-Z55IA-001
TDMF z/OS Installation and Reference Guide for V5R5	TDM-Z55IR-001
TDMF z/OS Messages and Codes for V5R5	TDM-Z55MC-001
TDMF z/OS v5.5 Release Notes	TDM-Z55RN-001

Publications are also available at

<http://www-950.ibm.com/services/dms/en/support/tdmf/zos/v5/documentation530.html>

zDMF

Title	Order number
zDMF Installation and Reference Guide for V3R2	ZDM-32IR-005

zDMF Message and Codes for V3R2	ZDM-Z32MC-003
zDMF Planning and Best Practices	ZDM-Z32PI-003
zDMF V3R2 Release Notes	ZDM-Z32RN-012

Publications are also available at

<http://www-950.ibm.com/services/dms/en/support/zdmf/v3/documentation325.html>

Technical information

Specified operating environment

Hardware requirements

Host running supported operating system and Storage attached to host directly or via SAN.

Software requirements

For all current storage systems and host environments supported, refer to the support website

<http://www-950.ibm.com/services/dms/en/support/>

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

Software must be run on a supported operating system as specified in the user documentation.

Performance considerations

The key performance influence to data migration software is the network speed and traffic level. These factors are outside the scope of the software.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement, at no additional charge. Read about the Electronic Support portfolio of tools

<http://ibm.com/electronicssupport>

Access the IBM Support Portal

<http://ibm.com/support>

Access the online Service Request tool

<http://ibm.com/support/servicerequest>

Planning information

Planning considerations are required for IBM zDMF via an IBM services engagement.

For additional information, visit

<http://www-935.ibm.com/services/us/en/it-services/migration-services-for-system-z-data.html>

Customer responsibilities

IBM recommends use of IBM Services to plan and perform your data migration. More information can be found at the following websites.

- For open systems
<http://www-935.ibm.com/services/us/en/it-services/migration-services-for-open-systems-a-ttached-to-totalstorage-disk-systems.html>
- For System z
<http://www-935.ibm.com/services/us/en/it-services/migration-services-for-system-z-data.html>

Packaging

This offering is delivered through the Internet. Physical media (tape) is available through ESW. This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT or on a License Information CD.

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

IBM recommends use of IBM Services to plan and perform your data migration. For more information, visit

<http://www-935.ibm.com/services/us/en/it-services/migration-services-for-system-z-data.html>

Ordering information

The IBM TDMF z/OS base product feature can be ordered by itself and with the optional feature enabled which includes:

- Distance Migration (TCP/IP)
- Offline Volume Access (OVA)
- Perpetual Point In Time copy (PPIT)

When ordering the optional feature, **both** the base product feature and the optional feature must be specified.

- Base product feature: IBM TDMF for z/OS V5.5.0
- Additional feature function set: TCP/IP, OVA, PPIT for TDMF z/OS

Charge metric

Program name	Part number or PID number	Charge metric
IBM Transparent Data Migration Facility for z/OS V5	5655-TZ5	Per Value Unit (MSU)
IBM z/OS Data Set Mobility Facility V3	5655-ZZ3	Per Value Unit (MSU)

License metric definition

Millions of service units (MSUs)

An MSU is defined as millions of Central Processing Unit (CPU) service units per hour; the measure of capacity used to describe the computing power of the hardware processors on which S/390® or System z software runs. Processor MSU values are determined by the hardware vendor, IBM or Software Compatible Vendors (SCVs)

For more detailed information about System z software pricing, visit

<https://www-03.ibm.com/systems/z/resources/swprice/zipla/index.html>

Value units

A Value Unit is the metric by which this software license entitlements are obtained. Value Unit entitlements are based on the quantity of a specific designated measurement, for example MSUs, Users Engines, Tape Drives, etc., for the given software. The appropriate number of entitlements must be obtained for the appropriate number of Value Units required for your environment as defined by the specific software terms. The Value Unit entitlements are specific to the software and may not be exchanged, interchanged, or aggregated with Value Unit entitlements of another software program.

The following programs in this announcement have Value Unit-Based pricing.

Program number	Program name	Value Unit exhibit
5655-TZ5	IBM Transparent Data Migration Facility for z/OS V5	VUE007
5655-ZZ3	IBM z/OS Data Set Mobility Facility V3	VUE007

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms

Value Unit exhibit VUE007

	MSUs minimum	MSUs maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Ordering example

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

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUs to value Units

	MSUs	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00

Total 1,500 343.50

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

Basic license

Translation from MSUs to Value Units

TDMF z/OS and zDMF (VUE007)

	MSUs	Value Units/MSU
Base	1-3	1
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.2

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: IBM Transparent Data Migration Facility for z/OS
Program PID: 5655-TZ5

Entitlement identifier	Description	License option/ Pricing metric
S017KD2	IBM TDMF for z/OS	Basic OTC, Value Units Basic OTC, per MSU-day TUC
S017KD1	TCP/IP, OVA, PPIT IBM TDMF	Basic OTC, Value Units Basic OTC, per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S017KD0	English	3590 Tape cartridge
S017KD4	English	3590 Tape cartridge

Distribution medium description	Medium	Feature number	Language
IBM TDMF for z/OS	Paper	6002	English
TCP/IP, OVA, PPIT IBM TDMF	Paper	6003	English

Subscription and Support PID: 5655-TZA

Entitlement identifier	Description	License option/ Pricing metric
S017KDD	IBM TDMF for z/OS S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

S017KDC	TCP/IP, OVA, PPIT TDMF S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
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Orderable supply ID	Language	Distribution medium
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S017KD9	English	Hardcopy publications
S017KDB	English	Hardcopy publications

Distribution medium description	Medium	Feature number	Language
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IBM TDMF for z/OS S&S	Paper	6002	English
TCP/IP, OVA, PPIT TDMF S&S	Paper	6003	English

Program name: IBM z/OS Data Set Mobility Facility
Program PID: 5655-ZZ3

Entitlement identifier	Description	License option/ Pricing metric
S017KDS	IBM zDMF	Basic OTC, Value Units Basic OTC, per MSU-day TUC

Orderable supply ID	Language	Distribution medium
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S017KDR	English	3590 Tape cartridge
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Distribution medium description	Medium	Feature number	Language
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IBM zDMF	Paper	6002	English
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Subscription and Support PID: 5655-ZZA

Entitlement identifier	Description	License option/ Pricing metric
S017KDH	IBM zDMF S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Language	Distribution medium
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S017KDG	English	Hardcopy publications
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Distribution medium description	Medium	Feature number	Language
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IBM zDMF S&S	Paper	6002	English
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Subscription and Support (S&S)

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The license includes one year of S&S. S&S renewal in one year increments is automatic unless specifically cancelled.

The capacity of S&S (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge.

Note: You are not entitled to new products.

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

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390 and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

Customized Offerings

Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the Shopz help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the product ServerPac, visit the Help section on the Shopz website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

For additional information on the Product ServerPac option, refer to Software Announcement [212-272](#), dated July 31, 2012.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability.

Terms and conditions

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.

Licensing

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.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that 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.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information number

Program name	Program number	License Information
IBM Transparent Data Migration Facility z/OS V5	5655-TZ5	LC27-4744-00
IBM z/OS Data Set Mobility Facility V3	5655-ZZ3	LC27-4745-00

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

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program support

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

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 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

No

Software Subscription and Support applies

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Handbook at

<http://www.ibm.com/support/handbook>

Software Subscription and Support does not include detailed implementation or migration assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

IBM Operational Support Services - SoftwareXcel

Yes

System i® Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Sub-capacity terms and conditions

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity.

Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if Applicable
5655-TZ5	IBM Transparent Data Migration Facility for z/OS	Full machine based	NA
5655-ZZ3	IBM z/OS Data Set Mobility Facility	Full machine based	NA

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

Information on charges is available at

<http://www.ibm.com/support>

Choose the option entitled Purchase/upgrade tools.

Program name: IBM Transparent Data Migration Facility for z/OS
Program PID: 5655-TZ5

Entitlement identifier	Description	License option/ Pricing metric
S017KD2	IBM TDMF for z/OS	Basic OTC, Value Units Basic OTC, per MSU-day TUC
S017KD1	TCP/IP, OVA, PPIT IBM TDMF	Basic OTC, Value Units

Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-TZA

Entitlement identifier	Description	License option/ Pricing metric
S017KDD	IBM TDMF for z/OS S&S	Basic ASC, Value Units SW S&S No charge Decline S&S Per MSU SW S&S Registration
S017KDC	TCP/IP, OVA, PPIT TDMF S&S	Basic ASC, Value Units SW S&S No charge Decline S&S Per MSU SW S&S Registration

Program name: IBM z/OS Data Set Mobility Facility
Program PID: 5655-ZZ3

Entitlement identifier	Description	License option/ Pricing metric
S017KDS	IBM zDMF	Basic OTC, Value Units Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-ZZA

Entitlement identifier	Description	License option/ Pricing metric
S017KDH	IBM zDMF S&S	Basic ASC, Value Units SW S&S No charge Decline S&S Per MSU SW S&S Registration

Order now

To order, contact the Americas Call Centers or your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)
For IBM representative: callserv@ca.ibm.com
For IBM Business Partner: pwcs@us.ibm.com
Mail: IBM Teleweb Customer Support
ibm.com® Sales Execution Center, Americas North
3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada
L3R 2Z1

Reference: YE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

Trademarks

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<http://www.ibm.com/legal/us/en/>

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

<http://www.ibm.com/planetwide/us/>