



# Selected IBM System x, BladeCenter, and PureFlex System server models now shipping with the Microsoft Windows Server 2012 Essentials Operating System

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## At a glance

Selected IBM® System x® , BladeCenter® , and PureFlex™ System server models can now be shipped with the Microsoft™ Windows™ Server 2012 Essentials Operating System.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: SE001).

## Overview

Selected IBM System x , BladeCenter , and PureFlex System server models can now be shipped with the Microsoft Windows Server 2012 Essentials Operating System.

Windows Server 2012 Essentials (the latest version of Windows Small Business Server Essentials) is a flexible, affordable, and easy-to-use server solution designed and priced for small businesses with up to 25 users and 50 devices that helps them reduce costs and increase productivity. Windows Server 2012 Essentials is an ideal first server, and it can also be used as the primary server in a multiserver environment for small businesses.

Windows Server 2012 Essentials enables small businesses to protect, centralize, organize, and access their applications and information from almost anywhere using virtually any device. Additionally, Essentials has the ability to grow as your business grows, providing an elastic solution that allows you to purchase and then perform an in-place conversion to Windows Server 2012 Standard if your business needs change over time.

Windows Server 2012 Essentials edition has the following licensing model:

- Server-based licensing model: Essentials can be installed on either one or two processor servers.
- CALs are not required for access: Essentials comes with 25 user accounts.

Orders for the Windows Server 2012 Essentials are accepted in conjunction with a valid hardware order.

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## Key prerequisites

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- Must be ordered with or for usage on System x hardware.
- Supported on System x and BladeCenter servers.
- The media kit contains Dual-Layer DVD optical media. It is recommended that a dual-layer capable DVD drive be configured with the server.

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## Planned availability date

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November 30, 2012

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## Description

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### **Windows Server 2012 Essentials**

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Windows Server 2012 Essentials (the latest version of Windows Small Business Server Essentials) is a flexible, affordable, and easy-to-use server solution designed and priced for small businesses with up to 25 users and 50 devices that helps them reduce costs and be more productive. Windows Server 2012 Essentials is an ideal first server, and it can also be used as the primary server in a multiserver environment for small businesses.

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### **Windows Server 2012 Essentials Server Operating System**

Windows Server 2012 product technologies provide the core of Windows Server 2012 Essentials. For more detailed information, visit the Windows Server 2012 website at

<http://www.microsoft.com/windowsserver2012>

Windows Server 2012 Essentials provides an end-to-end integrated setup that installs and configures many of the roles and features of Windows Server 2012 according to best practices configuration for small business environments. This provides clients with immediate value and productivity.

### **Windows Server 2012 Essentials data protection**

Windows Server 2012 Essentials leverages several new features available in Windows Server 2012 to provide greatly improved data protection capabilities. The new Storage Spaces feature allows customers to aggregate the physical storage capacity of disparate hard drives, dynamically add hard drives, and to create volumes with specified levels of resilience.

Windows Server 2012 Essentials can perform complete system backups and bare-metal restores of the server itself, as well as the client computers connected to the network with support for volumes larger than 2 terabytes. New with Windows Server 2012, the Microsoft Online Backup can be used to protect files and folders in a cloud-based storage service that is managed by Microsoft. Windows Server 2012 Essentials also centrally manages and configures the new File History feature of Windows 8 clients, helping users to recover from accidentally deleted or overwritten files without requiring administrator assistance.

### ***Windows Server 2012 Essentials Anywhere Access***

Remote Web Access provides a streamlined, touch-friendly browser experience for accessing applications and data from virtually anywhere users have an Internet connection using almost any device. Windows Server 2012 Essentials also provides an updated Windows Phone app and a new Metro app for Windows 8 clients, giving users to intuitively connect to, search across, and access files and folders on the server; files are also automatically cached for offline access and synchronized when a connection to the server becomes available.

Windows Server 2012 Essentials turns setting up virtual private networking (VPN) into a painless wizard-driven process of just a few clicks, and simplifies the management of VPN access for users. Client computers can leverage a VPN connection to remotely join the Essentials environment without the need to come into the office.

### ***Windows Server 2012 Essentials Health Monitoring***

Windows Server 2012 Essentials monitors its own health status and the status of client computers running Windows 7, Windows 8, and Mac OS X version 10.5, and above. Health status notifies you of issues or problems related to computer backups, server storage, low disk space, and more.

### ***Windows Server 2012 Essentials Workload Flexibility***

Windows Server 2012 Essentials has been designed to allow clients the flexibility to choose which applications and services run on-premises and which run in the cloud. In previous versions, Windows Small Business Server Standard included Exchange Server as a component product, which added expense and complexity for clients who wished to leverage cloud-based messaging and collaboration services.

With Windows Server 2012 Essentials, clients can take advantage of the same integrated management experience whether they choose to run an on-premises copy of Exchange Server, subscribe to a hosted Exchange service, or subscribe to Office 365.

### ***Windows Server 2012 Essentials Extensibility***

Windows Server 2012 Essentials builds on the extensibility model of Windows SBS 2011 Essentials, which allows other software vendors to add capabilities and features to the core product, and adds a new set of Web Services APIs. It also maintains compatibility with the existing software development kit (SDK) and Add-Ins created for Windows SBS 2011 Essentials.

### **Additional information**

All offers are subject to availability. IBM reserves the right to alter product offerings and specifications at any time without notice. IBM is not responsible for photographic or typographic errors.

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## **Product positioning**

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### ***Distributor and Reseller benefits***

- Great pricing: Take advantage of a great price to lower your product acquisition costs and increase margins.
- Convenience and flexibility: Enjoy convenience in ordering and stock flexibility.
- Add-on sales: Sell Software Assurance within 90 days and get more opportunities to sell value-added services.

### **Client benefits**

- Price advantage: Buying the System x , BladeCenter , and PureFlex System server and Windows operating system together with the ROK offers your clients better pricing than buying them separately.
- Convenient deployment: Ordering the ROK through a System x , BladeCenter , and PureFlex System server Reseller is the fastest and easiest way for your clients to deploy server software.
- Easy ordering: Ordering Microsoft Windows Server 2008 ROK together with the System x , BladeCenter , and PureFlex System server offers your clients simple, one-stop shopping convenience.

### **Windows Server 2012: Benefits of upgrading**

Windows Server 2012 Essentials offers an affordable first-server option and can be used as the primary infrastructure server in a multiserver environment. It is designed so that it can be easily deployed and managed by individuals within organizations where there are limited in-house IT skills.

It is optimized to let small businesses run applications on-premises or take advantage of the growing number of cloud-based applications and services.

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### **Program number**

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Program number	V.R.M	Program name
5731-w12	1.0.0	windows Server 2012

### **Product identification number**

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Program PID number	Maintenance 1 year PID number	Maintenance 3 year PID number
5731-w12	N/A	N/A

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### **Offering Information**

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Product information is available via the Offering Information website

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

### **Business Partner information**

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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=212-512>

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### **Publications**

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No hardcopy publications from IBM are shipped with this program.

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## Technical information

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### Specified operating environment

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#### **Hardware requirements**

Supported eServer™ xSeries®, System x®, BladeCenter or PureFlex System servers.

For the most up-to-date information regarding compatibility, visit

<http://www-03.ibm.com/servers/eserver/serverproven/compat/us/>

#### **Software requirements**

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

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#### **Packaging**

ESD When downloaded from a website, this program contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

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## Software Services

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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.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

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## Ordering information

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#### **Charge metric**

Program name	PID number	Charge metric
windows Server 2012	5731-w12	Per 1-2 Processor Server

#### **Server**

Server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. For the purpose of server-based licensing, licensee must obtain

entitlements for each server that is made available to the program, regardless of the number of processor cores and partitions in the server or the number of copies of the program on the server.

**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 entitlements for this program sufficient to cover the servers 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 entitlements for this program sufficient to cover the servers managed by program.

**Program delivery**

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Except where noted, configuration aids, either IBM Configurator for e-business or IBM Hardware Configurator, must be used for creation of valid software and hardware orders for the offerings in this announcement as well as other referenced and affiliated announcement offerings.

Billing for the operating systems will occur under the licensed program order number contained in this announcement.

The following license offerings can be ordered in conjunction with a new system order on which the selected operating system has been announced as an offering. Shipment of materials when ordered with a new system will be included with the system unit.

To order the programs listed below with a new system order, specify the type model number, order type description, one-time charge (OTC) feature, preinstall feature, or drop-in-the-box feature as indicated and listed in the tables below.

**Note:** A Hardware Installation Productivity Order (HIPO) must be placed if the operating system is part of a new system order. The feature numbers included on a HIPO order provide instructions and actions to the hardware and software Solution Provider and will be used to verify that the software orders for a given system unit solution exist and can be used for various logistical and business system measurements.

HIPO ordering information follows this section.

Type model number feature description	OTC billing feature number	Lang- uage feature number	Supply feature number	Pre- install feature number	Drop-in the-box feature number
5731-w12 windows Server 2012 Essentials Per 1-2 Processor Server					
English (factory installed)	0691	2924	6005	3522	3523
English (not preinstalled)	0691	2924	6005	N/A	3523

**Serialization feature code: 3444**

For order routing purposes, serialization feature code 3444 must be included on every operating system license program order.

**Hardware Installation Productivity Order (HIPO): 5372-SWX**

5372-SWX HIPO is mandatory for preinstall or shipments of program medium and publications associated with selected operating system offerings in this announcement. The translation table below is for reference purposes. The operating system type model numbers, with offered OTC features numbers, are cross

referenced to features that must be included on the 5372-SWX HIPO type model order for the purpose of completing valid (error-free) system solution orders.

#### 5372-SWX

Operating System	O/S	O/S	O/S	HIPO ID	HIPO 1 ID	HIPO Lang	HIPO Proc	HIPO P1	HIPO no P1	HIPO DIB
Type model Number	OTC	P1	DIB	ID	1 ID	Lang	Proc	P1	no P1	DIB
	feat	no P1	DIB	feat	feat	feat	feat	feat	feat	feat
Number	Num	feat	feat	feat	feat	feat	feat	feat	feat	feat

5731-w12 windows server 2012

Essentials

Factory installed

English 0691 3522 3523 7256 N/A 2924 N/A 9200 9205

Not preinstalled

English 0691 N/A 3523 7256 N/A 2924 N/A 9206 9205

### Customization options

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Select the appropriate feature numbers to customize your order with delivery options desired. These features can be specified on the initial or MES orders.

#### **Expedite shipments**

Feature	Description
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3445	Expedite
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Expedite shipments will be processed to receive 72-hour delivery from the time IBM Software Delivery and Fulfillment (SDF) receives the order.

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### Terms and conditions

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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.

#### **Licensing**

Supplier's license terms apply.

#### **Limited warranty**

Not warranted by IBM . Warranty, if any, provided by supplier.

#### **Volume orders**

Not applicable.

#### **Educational allowance**

Yes. 15% to qualified educational institutions.

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### Statement of good security practices

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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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## Prices

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For current prices, contact IBM at 888-Shop-IBM (746-7426) or visit

<http://www-03.ibm.com/systems/x/>

To locate the web price, search on the feature number in the Search field.

Type model number feature description	OTC Billing feature number
5731-w12 windows Server 2012 Essentials Per 1-2 Processor Server	0691

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## IBM Global Financing

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IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

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For more financing information, visit

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

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## Order now

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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)  
Internet: [callserv@ca.ibm.com](mailto:callserv@ca.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: SE001

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.

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