Software Announcement
June 27, 2006

IBM Communications Server for Linux, V6.2.2 and IBM Communications Server for Linux on System z, V6.2.2 extend Linux support

Overview

Communications Server for Linux™ and Communication Server for Linux on System z™ can help meet your requirements for connecting diverse networks and consolidating communication workloads. With this product, workstation users and applications can communicate with other workstations and central computer applications, independent of the networking protocols used in each system. Communications Server can help with networks of all sizes, from small workgroups to large corporate headquarters.

Communications Server provides a wide variety of hardware and operating system support to allow networks to integrate more seamlessly while maintaining business-critical data running on your host. In this release, Linux support has been extended to Intel® 64-bit Linux and SUSE Linux Enterprise Server 10.

Also for this release, Communications Server has been enhanced to provide improved performance for handling many remote API client connections on a multiprocessor system. The enhancement allows better distribution of processor allocation for handling remote client connections, helping to provide increased transaction rates as the number of client connections grows in a network. The Communications Server can now handle more remote clients with improved performance.

Key prerequisites

- A server that is supported by one of the Linux distributions specified in the **Hardware requirements** section
- A Linux operating system specified in the **Software requirements** section
- A network interface card and connection

Planned availability dates

- July 7, 2006 (electronic software delivery)
- July 14, 2006 (media and documentation)

At a glance

Communications Server for Linux and Communications Server for Linux on System z can enable you to create an integrated enterprise-wide network that includes a mix of operating systems and computer hardware to connect business resources over wide geographic areas.

New functions include:

- Communications Server
  - Support for x86_64 Linux
  - SUSE Linux Enterprise Server 10 support
  - Remote API Client/Server performance enhancements
  - HTTPS connections support for security-enhanced Remote API client/server
  - TN Server and TN Redirector ports can now listen on specific interfaces
  - Support for SDLC and X.25 adapter interface on i686 Linux
- Remote API Client
  - Support for Windows™ x64 Remote API Client
  - Support for x86_64 Linux Remote API Client
  - HTTPS connection support for secure Remote API Client/Server

Description

Communications Server for Linux, V6.2.2 is a further evolution of the capabilities provided in V6.2 and V6.2.1. For details about features and functions, visit

http://ibm.com/software/network/commserver/

New functions in Communications Server for Linux and Communications Server for Linux on System z

Extended Linux distribution support

Communications Server for Linux and Communications Server for Linux on System z support server installations on Linux 2.6 kernel distributions from Red Hat and SUSE for both 32-bit and 64-bit Linux distributions. On the i686 and IBM System z™ platforms, Communications Server also supports server installations on the Linux 2.4 kernel distributions.

For Communications Server for Linux on Intel systems, the kernel can be an i686 or x86_64 architecture Linux distribution.

For installations on System p™ or POWER5™, the systems must be 2.6 Linux distributions and support ppc64 hardware.

Communications Server for Linux on System z can be installed on a 31-bit or 64-bit Linux kernel.

The client and server code is no longer supported on Red Hat Advanced Server 2.1.

Enhanced Remote API client support

Communications Server for Linux and Communications Server for Linux on System z support remote API clients that connect to the Linux server over TCP/IP. The clients can run SNA applications that use the commonly defined application interfaces for LUA, APPC, CPI-C, and NOF. The Remote API client supports AIX®, Windows, Windows x64, and Linux (i686, x86_64, ppc64, and System z).

Connections between the Linux servers and the Remote API clients can now be configured to use the HTTPS security protocol, which facilitates communications through firewalls. The Remote API clients can connect to a WebSphere® Application Server, which will handle the authentication and encryption using HTTPS. The WebSphere Application Server will then pass the client data via TCP/IP to Linux servers. This can provide security-enhanced and authenticated sessions for SNA application flows to the mainframe.

For this release, Communications Server can provide improved performance for handling many Remote API client connections on a multiprocessor system. This enhancement allows for a better distribution of processor allocation for handling remote client connections. This capability provides increased transaction rates as the number of client connections grows in a network. Communications Server can now handle more remote clients with improved performance.

Support for SDLC and X.25 adapter interface on Intel 32-bit platforms

Communications Server for Linux now supports SDLC and X.25 (QLLC) connectivity by providing a WAN adapter interface on Linux servers. This function requires a protocol device driver from the adapter vendor. IBM does not provide these adapters or device drivers. Refer to the Communications Server for Linux Support Web page for details regarding supported adapter vendors.

TN3270 and Telnet Redirector support for specific interfaces

The TN3270 Server and TN Redirector now include the ability to specify a particular local address on which the TN pass-through service will listen for client connections. This feature is optional; you can configure the service to support clients connecting on any local address, or restrict it to a specified address. This function allows for more specific connection definitions and supports more migration options as SNA resources are consolidated closer to the host mainframe.

Product positioning

Communications Server is the solution for companies that want to:

- Consolidate SNA branch and TN3270 servers at the data center on the System z platform
- Remove SNA network infrastructure by allowing SNA applications to run unchanged over an IP network
- Allow SNA gateway services to run over an IP network
- Enable VM and VSE SNA applications to be reached through IP via Enterprise Extender
- Replace token-ring network and ESCON® channels with Ethernet network and gigabit OSA-Express hardware
- Enhance data security over the Internet/intranet while improving network availability

IBM United States Announcement Supplemental Information

June 27, 2006

Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

http://www.ibm.com/software/passportadvantage

Publications

No publications are shipped with these products.

Technical information

Hardware requirements

For a Linux™ server or client

For a System z™ server: A 31-bit or a 64-bit System z server supported by one of the Linux distributions listed in the **Software requirements** section. Use the "uname -m" Linux command to verify the CPU class. It must report "s390" to indicate a 31-bit environment or "s390x" to indicate a 64-bit environment.

For an Intel® Linux server (32-bit): A workstation with an Intel Pentium® II, or higher, processor (32-bit) supported by one of the Linux distributions listed in the **Software requirements** section. Use the "uname -m" command to verify the CPU class. It must report "i686" to indicate a Pentium II, or higher, system.

For a Linux server x86_64 (64-bit): A workstation with either AMD64 or Intel EM64T processors supported by Linux distributions listed in the **Software requirements** section. Use the "uname -m" command to verify the CPU class. It must report "x86_64" to indicate the proper type of system.

For an OpenPower™ or POWER5™ server or client: A 64-bit platform system supported by one of the Linux distributions listed in the **Software requirements** section. For OpenPower or POWER5, the "uname -m" command will verify the CPU class to be ppc64 to indicate a Linux platform that supports a System p™ server.

For a Windows™ 32-bit client

An Intel Pentium II, or higher, 32-bit system supported by one of the Microsoft™ operating systems listed in the **Software requirements** section.

For a Windows 64-bit client

An AMD64 or Intel EM64T system supported by one of the Microsoft Windows operating systems listed in the **Software requirements** section.

Software requirements

For a Linux server on System z

One of the following Linux operating systems:

- Red Hat Enterprise Linux 3, 4 for S/390®
- Red Hat Enterprise Linux 3, 4 for zSeries®
- SUSE Linux Enterprise Server 8, 9, or 10 for IBM Mainframes
- Linux Streams (LiS 2.18.0)

  LiS package can be obtained from

  ftp://ftp.gcom.com/pub/linux/src/LiS/LiS-2.18.0.tgz

For a Linux server on Intel (32-bit)

One of the following Linux operating systems:

- Red Hat Enterprise Linux 3, 4 for i386
- SUSE Linux Enterprise Server 8, 9, or 10 for i386
- Linux Streams (LiS 2.18.0)

  LiS package can be obtained from

  ftp://ftp.gcom.com/pub/linux/src/LiS/LiS-2.18.0.tgz

For a Linux server on x86_64 (64-bit)

One of the following Linux operating systems:

- Red Hat Enterprise Linux 4 for x86_64
- SUSE Linux Enterprise Server 9 or 10 for x86_64
- Linux Streams (LiS 2.18.0)

  LiS package can be obtained from

  ftp://ftp.gcom.com/pub/linux/src/LiS/LiS-2.18.0.tgz

For Linux on System p

One of the following Linux operating systems:

- Red Hat Enterprise Linux 4 for System p
- SUSE Linux Enterprise Server 9 or 10 for System p
- Linux Streams (LiS 2.18.0)

  LiS package can be obtained from

  ftp://ftp.gcom.com/pub/linux/src/LiS/LiS-2.18.0.tgz

For Windows 32-bit clients

One of the following operating systems:

- Microsoft Windows 2000 Professional, Server, Advanced Server

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.

- Microsoft Windows XP Professional
- Microsoft Windows Server 2003 Standard Edition, Enterprise Edition

For Windows 64-bit clients

One of the following operating systems:

- Microsoft Windows XP Professional x64 Edition
- Microsoft Windows Server 2003 x64 Edition

For a current, up-to-date status of technical requirements, refer to one of these

http://www.ibm.com/software/network/commserver/linux/sysreqs/

http://www.ibm.com/software/network/commserver/z_lin/sysreqs/

Planning information

Customer responsibilities: The customer is responsible for acquiring all prerequisite software and hardware associated with this program.

Packaging: Communications Server for Linux on zSeries ships with the following:

- IBM International Program License Agreement (IPLA)
- IBM IPLA Pointer Sheet
- Product CD

Security, auditability, and control

Communications Server for Linux on zSeries does not include any security and auditability features.

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

Software Services

IBM 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 unmatched portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support any critical business need.

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

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

To locate an IBM Business Partner, visit

http://www.ibm.com/software/solutions/isv

Ordering information

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

Product information

Licensed function title	Product group	Product category
IBM Communications Server for Linux	IBM Communications Server	Communications Server
IBM Communications Server for Linux on System z	IBM Communications Server	Communications Server

Program name	PID number	Charge unit description
IBM Communications Server for Linux	5724-I33	Concurrent User(s)
IBM Communications Server for Linux on System z	5724-I34	Processor(s)
IBM Communications Server for Linux on System z	5724-I34	SubCapacity Processor
IBM Communications Server for Linux on System z	5724-I34	Concurrent User(s)
IBM Communications Server for Linux on System z	5724-I34	Processor Day

Charge metrics definitions

Processor: A processor (commonly called a *CPU* or *core*) is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic or logic unit. With multi-core technology, each core is considered a processor. With full capacity licensing, a proof of entitlement (POE) must be acquired for all activated processors on the server available to the program or a component of the program.

Sub-capacity processor: A processor is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic or logic unit. With multi-core technology, each core is considered a processor. With sub-capacity licensing, a POE must be acquired for all activated processors in partitions (utilizing eligible partitioning technologies) on the server available to the program or a component of the program.

Concurrent user: A concurrent user is one and only one individual within or outside your enterprise. The number of POEs required is for the highest number of users simultaneously accessing the program or any program components either directly or indirectly (via a multiplexing program, device, or application server) through any means on behalf of the user.

Passport Advantage program licenses

Communications Server for Linux

Part description	Part number
IBM Communications Server for Linux	
Comm Svr Linux 6.2 Concurrent User(s) License & SW Maintenance 12 Months	D53SDLL
Comm Svr Linux 6.2 Concurrent User(s) License & SW Maintenance 12 Months	D53SBLL
Comm Svr Linux 6.2 Concurrent User(s) SW Maintenance Annual Renewal	E01A4LL
Comm Svr Linux 6.2 Concurrent User(s) SW Maintenance Reinstatement 12 Mont	D53SCLL

Communications Server for Linux on zSeries

Part description	Part number
IBM Communications Server for Linux on System z	
CommSvr Linux Sys z Concurrent User(s) License & SW Maintenance 12 Months	D53S8LL
CommSvr Linux Sys z Concurrent User(s) License & SW Maintenance 12 Months	D53SALL
CommSvr Linux Sys z Concurrent User(s) SW Maintenance Annual Renewal	E01A3LL
CommSvr Linux Sys z Concurrent User(s) SW Maintenance Reinstatement 12 Mon	D53S9LL
CommSvr Linux Sys z Processor(s) License & SW Maintenance 12 Months	D58HRLL
CommSvr Linux Sys z Processor(s) SW Maintenance Annual Renewal	E02KTLL
CommSvr Linux Sys z Processor(s) SW Maintenance Reinstatement 12 Months	D58HSLL

Passport Advantage supply

Program name/description	Part number
Comm Svr Linux V6.2.2	
Media Pack Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V6.2.2	BM03RML
CommSvr Linux zSeries V6.2.2	
Media Pack Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for zSeries Enterprise Servers (Mainframes) CD-ROM Digital Disk — ISO 9660 Standard V6.2.2	BM03SML

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.

CommSvr Linux zSeries V6.2.2

Entitled maintenance offerings description	Media packs description	Part number
Communications Server for Linux Sys z Processor	CommSvr Linux zSeries Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for zSeries Enterprise Servers (Mainframes) CD-ROM Digital Disk — ISO 9660 Standard	BM03SML
Communications Server for Linux Sys z Subcapacity Processor	CommSvr Linux zSeries Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for zSeries Enterprise Servers (Mainframes) CD-ROM Digital Disk — ISO 9660 Standard	BM03SML
IBM Communications Server Linux Sys z Per Concurrent User	CommSvr Linux zSeries Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for zSeries Enterprise Servers (Mainframes) CD-ROM Digital Disk — ISO 9660 Standard	BM03SML

Comm Svr Linux V6.2.2

Entitled maintenance offerings description	Media packs description	Part number
IBM Communications Server for Linux Per User	Comm Svr Linux Multilingual(English International, French, Korean, Chinese — Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese — Traditional) Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM03RML

Sub-capacity

IBM Communications Server for Linux on System z

Part description	Part number
CommSvr Linux Sys z SubCapacity Processor License & SW Maintenance 12 Mont	D58HPLL
CommSvr Linux Sys z SubCapacity Processor SW Maintenance Annual Renewal	E02KSLL
CommSvr Linux Sys z SubCapacity Processor SW Maintenance Reinstatement 12	D58HQLL

Sub-capacity for selected middleware products

Sub-capacity licensing on a per-processor or per-value-unit basis is available for selected middleware products. To offer sub-capacity licensing, IBM software products implement IBM Tivoli® License Manager within their offerings so that customers can monitor and report quarterly to IBM on their use of the programs on a continuous basis.

More information can be found on the Passport Advantage Web site

http://www.ibm.com/software/passportadvantage

Eligibility requirements for sub-capacity licensing

To be eligible for sub-capacity licensing terms on this product, you must agree to install and configure IBM Tivoli License Manager for IBM Software, in accordance with the IBM Tivoli License Manager publications, and to enable the collection of program use data on all eligible machines subject to sub-capacity terms.

For those machines running programs with sub-capacity licensing terms, you must use IBM Tivoli License Manager for IBM Software to monitor program use and submit to IBM an IBM Use Report each calendar quarter. Multiple copies of IBM Tivoli License Manager for IBM Software or IBM Tivoli License Manager are not required. You can use more copies if you need them to support your operational environment, but only one copy is required to monitor all your sub-capacity licensed products.

Additionally, if this is the first product you have licensed under sub-capacity terms, you must agree to the terms of an attachment to your Passport Advantage or Passport Advantage Express contract and submit a new Passport Advantage enrollment form. First-time sub-capacity clients also have an opportunity to ensure a primary business contact is established for their contracts.

For more information on required and entitled license capacity, license requirements, and reporting, refer to Software Announcement 205-093, dated April 19, 2005.

If you order this product under sub-capacity terms, IBM Tivoli License Manager for IBM Software will be made available to you if you do not already have one. You must install and configure this tool for your sub-capacity products. Alternately, you can use Tivoli License Manager. Once the license manager software is installed, you will be required to register online (IBM may need to contact you in order to finalize the registration process). You must monitor program use on a continuous basis with an IBM Tivoli License Manager for IBM Software and submit IBM Use Reports to IBM on a calendar quarterly basis.

IBM Tivoli License Manager for IBM Software is documented in the following customer publications, which are available from IBM Publications Center at

http://www.elink.ibmlink.ibm.com/public/applications/publications/cgibin/pbi.cgi?

Publication	Form
Planning, Installation, and Configuration	SC32-1431
Administration	SC32-1430
Problem Determination	SC32-9102
Data Dictionary	SC32-1432
Release Notes	SC32-1429

For IBM Tivoli License Manager configuration guidance and instructions for specific products (including this product) acquired with sub-capacity terms, refer to

http://www.lotus.com/sub-capacity

The Web site will give you information about how to set up the product for detection by IBM Tivoli License Manager, any required maintenance, and any required steps that are unique to this product.

On/Off Capacity on Demand

IBM Communications Server for Linux on System z

Part description	Part number
CommSvr Linux Sys z Processor Day Per Use-DAY, On Off Capacity on demand T	D58HZLL

Terms and conditions

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

Agreement: IBM International Program License Agreement and License Information document. 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
Communications Server for Linux V6.2.2	5724-I33	L-LCOX-6MQM4X
Communications Server for Linux on System z9 and zSeries V6.2.2	5724-I34	L-LCOX-6MQMET

On or near the planned availability date, the LI will be available for review on the IBM Software License Agreement Web site

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

Limited warranty: Yes

Money-back guarantee: If for any reason you are dissatisfied with the program and you are the original licensee, 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.

For programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program.

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 the customer.

Copy and use on home/portable computer

Product name	Copy and use on home/portable computer?
Communications Server for Linux	Yes
Communications Server for Linux on zSeries	Yes

Volume orders (IVO): No

Passport Advantage applies: Yes, and through the Passport Advantage Web site at

http://www.ibm.com/software/passportadvantage

IBM Operational Support Services — SoftwareXcel: No

iSeries™ Software Maintenance applies: No

Educational allowance available: Not applicable

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 — Z125-6907, Amendment for iSeries and pSeries® Temporary Capacity On Demand — Software — must be signed prior to use.

Prices

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner. Additional information is also available at

http://www.ibm.com/software/passportadvantage

Business Partner information

If you are an IBM Business Partner — Distributor for Workstation Software acquiring products from IBM, you may link directly to Business Partner pricing information. An ID and password are required (use IBM ID).

https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller/amer/channelannouncement

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