



Selected IBM Flex System and Power Systems offer new optional features

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At a glance

The following IBM® PureFlex™ System features deliver increased functionality:

- New adapters for the IBM Flex System™ Compute Nodes
- New Ethernet Switch and Interconnect Module for the IBM Flex System Chassis

Overview

New optional features are available for selected Flex System and Power Systems™ .

- The following feature is now available on the IBM Flex System x240 compute node:
 - IBM Flex System EN6132 2-port 40 Gb Ethernet Adapter (#EC31)
- The following features are now available on the IBM Flex System p24L Compute Node (1457-7FL), IBM Flex System p260 Compute Node (7895-22X/7895-23X), and the IBM Flex System p460 Compute Node (7895-42X):
 - IBM Flex System FC5052 2-port 16 Gb Fibre Channel Adapter (#EC23)
 - IBM Flex System FC5054 4-port 16 Gb FC Adapter (#EC2E)
- The following features are now available on the IBM Flex System Enterprise Chassis (7893-92X):
 - IBM Flex System EN6131 40 Gb Ethernet Switch (#ESW6)
 - IBM Flex System Fabric SI4093 Server Interconnect Module Upgrade 1 (#ESW8)
 - IBM Flex System Fabric SI4093 Server Interconnect Module Upgrade 2 (#ESW9)
 - IBM Flex System Fabric SI4093 Server Interconnect Module (#ESWA)
 - Flex System Enterprise Chassis Content Specify - 7954-24X (#ECS4)
 - Flex System Enterprise Chassis Content Specify - 7895-43X (#ECS9)
 - Flex System Enterprise Chassis Content Specify - 7916-27X (#ECSB)
 - Flex System Enterprise Chassis Content Specify - 7895-23A (#ECSD)
- The following features are now available on the IBM PureFlex System Enterprise Rack (7953-94X):
 - Rack Content Specify for 7316-TF3 - 1 EIA (#0233)
 - Rack Content Specify for 7042-CR6/CR7 (#0324)

New functionality is now available on the IBM Flex System :

- The IBM Flex System now supports the IBM Power® Hardware Management Console (HMC) and the IBM Integrated Virtualization Manager (IVM). The IBM Power Rack-mounted HMC brings the same, full function PowerVM® management available on POWER7® and POWER7+™ rack servers to the POWER7 and POWER7+ processor-based Flex System compute nodes. IVM is an easy-to-use, browser-based tool providing access to the entry set of PowerVM functions.
- The HMC function is available with HMC Version 7 Release 7.7.0 Service Pack 2. The IVM function is available with VIOS Version 2.2.2.3. Both solutions require Power Compute node firmware Version 7.7.3.

Note: The use of the IBM Power Hardware Management Console (HMC) and the IBM Integrated Virtualization Manager (IVM) are only supported as part of a Flex System configuration with Power compute nodes and cannot be used in the same configuration with IBM Flex System Management node.

Key prerequisites

Refer to the *Sales Manual* for individual feature requirements.

Planned availability date

- August 16, 2013: Features 0010 and 0011
- September 27, 2013: Features 1109 and 1136
- September 10, 2013: For all other features

Product number

Planned availability date: August 16, 2013

The following are newly announced features on the specific models of the IBM Power Systems 1164, 1455, 1457, 1611, 7042, 7779, 7809, 7863, 7891, 7893, 7895, 7953, 7955, 7989, 8202, 8205, 8231, 8233, 8236, 8246, 8248, 8268, 8406, 8408, 9109, 9117, 9119, and 9179 machine types:

New features

Description	MT	Model	Feature
One CSC Billing Unit	1164	95X	0010
	1455	24E	
	1455	48E	
	1455	48T	
	1455	64C	
	1455	64F	
	1611	16E	
	7042	CR7	
	7863	10X	
	7953	94X	
	7955	01M	
	8246	L1C	
	8246	L1D	
	8246	L1S	
	8246	L1T	
	8246	L2C	
	8246	L2D	
8246	L2S		
8246	L2T		
Ten CSC Billing Units	1164	95X	0011
	1455	24E	
	1455	48E	

	1455	48T	
	1455	64C	
	1455	64F	
	1611	16E	
	7042	CR7	
	7863	10X	
	7953	94X	
	7955	01M	
	8246	L1C	
	8246	L1D	
	8246	L1S	
	8246	L1T	
	8246	L2C	
	8246	L2D	
	8246	L2S	
	8246	L2T	
Custom Service Specify, Rochester Minn, USA	1455	24E	1140
Custom Service Specify, Shenzhen, China	1455	24E	ECSC
	1455	48E	
	1455	48T	
	1455	64C	
	1455	64F	
	1611	16E	

Planned availability date: August 23, 2013

The following are newly announced features on the specific models of the IBM Power Systems 1455, 1611, 7042, 7779, 7809, 7891, 7989, 8202, 8205, 8231, 8233, 8236, 8246, 8248, 8268, 8406, 8408, 9109, 9117, 9119, and 9179 machine types:

New features

Description	MT	Model	Feature
Rack Content Specify: 7316-TF3 -- 1 EIA	7953	94X	0233
Rack Content Specify for 7042-CR6/CR7	7953	94X	0324
AIX Solution Edition for IBM PureFlex System	7895	23X	EU22

Planned availability date: September 10, 2013

The following are newly announced features on the specific models of the IBM Power Systems 1455, 1611, 7042, 7779, 7809, 7891, 7989, 8202, 8205, 8231, 8233, 8236, 8246, 8248, 8268, 8406, 8408, 9109, 9117, 9119, and 9179 machine types:

New features

Description	MT	Model	Feature
IBM Flex System FC5052 2-port 16Gb Fibre Channel Adapter	1457	7FL	EC23
	7895	22X	
	7895	23X	
	7895	42X	
IBM Flex System FC5054 4-port 16Gb FC Adapter	1457	7FL	EC2E
	7895	22X	
	7895	23X	
	7895	42X	
IBM Flex System EN6132 2-port 40Gb Ethernet Adapter	7863	10X	EC31
Flex System Enterprise Chassis Content Specify - 7954-24X	7893	92X	ECS4
Flex System Enterprise Chassis Content Specify - 7895-43X	7893	92X	ECS9
Flex System Enterprise Chassis Content Specify - 7916-27X	7893	92X	ECSB
Flex System Enterprise Chassis Content Specify - 7895-23A	7893	92X	ECSD
Custom Service Specify, Mexico	1164	95X	ECSM
	1455	24E	

	1455	48E	
	1455	48T	
	1455	64C	
	1455	64F	
	1457	7FL	
	1611	16E	
	7042	CR7	
	7779	BCS	
	7809	H22	
	7863	10X	
	7891	73X	
	7893	92X	
	7895	23X	
	7895	42X	
	7953	94X	
	7955	01M	
	7989	BCH	
	8202	E4C	
	8202	E4D	
	8205	E6C	
	8205	E6D	
	8231	E1C	
	8231	E1D	
	8231	E2C	
	8231	E2D	
	8233	E8B	
	8236	E8C	
	8246	L1C	
	8246	L1D	
	8246	L1S	
	8246	L1T	
	8246	L2C	
	8246	L2D	
	8246	L2S	
	8246	L2T	
	8248	L4T	
	8268	E1D	
	8406	70Y	
	8406	71Y	
	8408	E8D	
	9109	RMD	
	9117	MMC	
	9117	MMD	
	9119	FHB	
	9179	MHC	
	9179	MHD	
IBM Flex System EN6131 40Gb Ethernet Switch	7893	92X	ESW6
IBM Flex System Fabric SI4093 Server			
Interconnect Module Upgrade 1	7893	92X	ESW8
IBM Flex System Fabric SI4093 Server			
Interconnect Module Upgrade 2	7893	92X	ESW9
IBM Flex System Fabric SI4093 Server			
Interconnect Module	7893	92X	ESWA

Planned availability date: September 27, 2013

The following are newly announced features on the specific models of the IBM Power Systems 8205 machine type:

New features

Description	MT	Model	Feature
IBM Ethernet Switch J48E	8205	E6D	1109
Integrated Storage Controller w/ 24 - 600GB drives	8205	E6D	1136

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=113-125>

Publications

No publications are shipped with the announced products.

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For details on education offerings related to specific products, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

Technical information

Specified operating environment

Physical specifications

For physical specifications of these features, refer to the machine type/model in the *Sales Manual*.

Hardware requirements

For hardware requirements of these features, refer to the model 7895-22X, 7895-23X, 7895-42X, 1457-7FL, 7893-92X, or 7953-94X in the *Sales Manual*.

Software requirements

For operating system requirements, refer to operating system level required in the feature descriptions of the machine type/model in the *Sales Manual*.

Planning information

Cable orders

No cables required.

Security, auditability, and control

This product uses the security and auditability features of host software and application software.

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

Terms and conditions

MES discount applicable

Equal to the volume commitment discount.

Field installable feature

Yes

Warranty period

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature that replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature are the same as those for the machine in which it is installed.

Customer setup

Yes

Machine code

Same license terms and conditions as base machine

Prices

The following are newly announced features on the specific models of the IBM Power Systems 1164, 1455, 1457, 1611, 7042, 7779, 7809, 7863, 7891, 7893, 7895, 7953, 7955, 7989, 8202, 8205, 8231, 8233, 8236, 8246, 8248, 8268, 8406, 8408, 9109, 9117, 9119, and 9179 machine types:

Description Machine Type 1164	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU MES
One CSC Billing Unit	95X	0010	Both	Yes No
Ten CSC Billing Units	95X	0011	Both	Yes No
Custom Serv. Specify, Mexico	95X	ECSM	Both	Yes No

Description Machine Type 1455	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU MES
One CSC Billing Unit	24E	0010	Both	Yes No
	48E		Both	Yes No
	48T		Both	Yes No
	64C		Both	Yes No
	64F		Both	Yes No
Ten CSC Billing Units	24E	0011	Both	Yes No
	48E		Both	Yes No
	48T		Both	Yes No
	64C		Both	Yes No
	64F		Both	Yes No
Custom Serv. Specify, Shen	24E	ECSC	Both	Yes No
	48E		Both	Yes No
	48T		Both	Yes No
	64C		Both	Yes No
	64F		Both	Yes No
Custom Serv. Specify, Mexico	24E	ECSM	Both	Yes No
	48E		Both	Yes No
	48T		Both	Yes No
	64C		Both	Yes No
	64F		Both	Yes No

Description Machine Type 1457	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU MES
FC5052 2-port 16Gb FC Adapter	7FL	EC23	Both	Yes No
FC5054 4-port 16Gb FC Adapter	7FL	EC2E	Both	Yes No
Custom Serv. Specify, Mexico	7FL	ECSM	Both	Yes No

Description Machine Type 1611	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU MES
One CSC Billing Unit				

Ten CSC Billing Units	16E	0010	Both	Yes	No
Custom Serv. Specify, Shen	16E	0011	Both	Yes	No
Custom Serv. Specify, Mexico	16E	ECSC	Both	Yes	No
	16E	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
One CSC Billing Unit	CR7	0010	Both	Yes	No
Ten CSC Billing Units	CR7	0011	Both	Yes	No
Custom Serv. Specify, Mexico	CR7	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
Custom Serv. Specify, Mexico	BCS	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
Custom Serv. Specify, Mexico	H22	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
One CSC Billing Unit	10X	0010	Both	Yes	No
Ten CSC Billing Units	10X	0011	Both	Yes	No
EN6132 2-Port 40Gb Ethernet Ad	10X	EC31	Both	Yes	No
Custom Serv. Specify, Mexico	10X	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
Custom Serv. Specify, Mexico	73X	ECSM	Both	Yes	No

Description Machine Type	Model Number	Feature Number	Initial/ MES/ Both/ Support	RP CSU	MES
Content Specify - 7954-24X	92X	ECS4	Initial	N/A	No
Content Specify - 7895-43X					

Content Specify - 7916-27X	92X	ECS9	Initial	N/A	No
Content Specify - 7895-23A	92X	ECSB	Initial	N/A	No
Custom Serv. Specify, Mexico	92X	ECSA	Initial	N/A	No
EN6131 40Gb Ethernet Switch	92X	ECSM	Both	Yes	No
Fabric SI4093 Upgrade 1	92X	ESW6	Both	Yes	No
Fabric SI4093 Upgrade 2	92X	ESW8	Both	Yes	No
Fabric SI4093 Interconnect Mod	92X	ESW9	Both	Yes	No
	92X	ESWA	Both	Yes	No

Description	Model	Feature	Initial/ MES/ Both/ Support	RP	
Machine Type	7895	Number	Number	CSU	MES
FC5052 2-port 16Gb FC Adapter	22X	EC23	Both	Yes	No
	23X		Both	Yes	No
	42X		Both	Yes	No
FC5054 4-port 16Gb FC Adapter	22X	EC2E	Both	Yes	No
	23X		Both	Yes	No
	42X		Both	Yes	No
Custom Serv. Specify, Mexico	23X	ECSM	Both	Yes	No
	42X		Both	Yes	No

Description	Model	Feature	Initial/ MES/ Both/ Support	RP	
Machine Type	7953	Number	Number	CSU	MES
One CSC Billing Unit	94X	0010	Both	Yes	No
Ten CSC Billing Units	94X	0011	Both	Yes	No
Rack Cont.Spcf:7316-TF3-1EIA	94X	0233	Initial	N/A	No
Rack Specify: 7042-CR6/CR7	94X	0324	Initial	N/A	No
Custom Serv. Specify, Mexico	94X	ECSM	Both	Yes	No

Description	Model	Feature	Initial/ MES/ Both/ Support	RP	
Machine Type	7955	Number	Number	CSU	MES
One CSC Billing Unit	01M	0010	Both	Yes	No
Ten CSC Billing Units	01M	0011	Both	Yes	No
Custom Serv. Specify, Mexico	01M	ECSM	Both	Yes	No

Description	Model	Feature	Initial/ MES/ Both/ Support	RP	
Machine Type	7989	Number	Number	CSU	MES
Custom Serv. Specify, Mexico	BCH	ECSM	Both	Yes	No

Initial/

Description Machine Type 8202	Model Number	Feature Number	MES/ Both/ Support	RP CSU	MES
Custom Serv. Specify,	Mexico E4C E4D	ECSM	Both Both	Yes Yes	No No
Initial/ MES/					
Description Machine Type 8205	Model Number	Feature Number	Both/ Support	RP CSU	MES
Custom Serv. Specify,	Mexico E6C E6D	ECSM	Both Both	Yes Yes	No No
Initial/ MES/					
Description Machine Type 8231	Model Number	Feature Number	Both/ Support	RP CSU	MES
Custom Serv. Specify,	Mexico E1C E1D E2C E2D	ECSM	Both Both Both Both	Yes Yes Yes Yes	No No No No
Initial/ MES/					
Description Machine Type 8233	Model Number	Feature Number	Both/ Support	RP CSU	MES
Custom Serv. Specify,	Mexico E8B	ECSM	Both	Yes	No
Initial/ MES/					
Description Machine Type 8236	Model Number	Feature Number	Both/ Support	RP CSU	MES
Custom Serv. Specify,	Mexico E8C	ECSM	Both	Yes	No
Initial/ MES/					
Description Machine Type 8246	Model Number	Feature Number	Both/ Support	RP CSU	MES
One CSC Billing Unit	L1C L1D L1S L1T L2C L2D L2S L2T	0010	Both Both Both Both Both Both Both Both	Yes Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No
Ten CSC Billing Units	L1C L1D L1S L1T L2C L2D L2S L2T	0011	Both Both Both Both Both Both Both Both	Yes Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No
Custom Serv. Specify,	Mexico L1C	ECSM	Both	Yes	No

L1D	Both	Yes	No
L1S	Both	Yes	No
L1T	Both	Yes	No
L2C	Both	Yes	No
L2D	Both	Yes	No
L2S	Both	Yes	No
L2T	Both	Yes	No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 8248	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	L4T	ECSM		Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 8268	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	E1D	ECSM		Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 8406	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	70Y	ECSM		Both	Yes No
	71Y			Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 8408	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	E8D	ECSM		Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 9109	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	RMD	ECSM		Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 9117	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	MMC	ECSM		Both	Yes No
	MMD			Both	Yes No

				Initial/	
				MES/	
Description	Model	Feature		Both/	RP
Machine Type 9119	Number	Number		Support	CSU MES
Custom Serv. Specify, Mexico					
	FHB	ECSM		Both	Yes No

Description	Model	Feature	Initial/	RP
Machine Type	Number	Number	MES/	CSU
			Both/	MES
			Support	
Custom Serv. Specify, Mexico	MHC	ECSM	Both	Yes No
	MHD		Both	Yes No

The following are features already announced for the IBM Power Systems 1455, 7895, and 8205 machine types:

Description	Model	Feature	Initial/	RP
Machine Type	Number	Number	MES/	CSU
			Both/	MES
			Support	
Custom Serv. Specify, Roch	24E	1140	Both	Yes No

Description	Model	Feature	Initial/	RP
Machine Type	Number	Number	MES/	CSU
			Both/	MES
			Support	
AIX Solution Edition	23X	EU22	Initial	N/A No

Description	Model	Feature	Initial/	RP
Machine Type	Number	Number	MES/	CSU
			Both/	MES
			Support	
IBM E'Net Switch J48E	E6D	1109	Initial	N/A No
Integrated Stor Cont - 600GB	E6D	1136	Initial	N/A No

Feature conversions

Feature conversions for 7895-23X virtualization engine features

From FC:	To FC:	Parts Returned
5227 - PowerVM Standard Edition	EC21 - PowerVM EE for Small Server	No

Feature conversions for 8202-E4D virtualization engine features

From FC:	To FC:	Parts Returned
5225 - PowerVM Express Edition	EC21 - PowerVM EE for Small Server	No
5227 - PowerVM Standard Edition	EC21 - PowerVM EE for Small Server	No

Feature conversions for 8231-E1D virtualization engine features

From FC:	To FC:	Parts Returned
5225 - PowerVM Express	EC21 - PowerVM EE for	No

Edition	Small Server	
5227 - PowerVM Standard Edition	EC21 - PowerVM EE for Small Server	No

Feature conversions for 8231-E2D virtualization engine features

From FC:	To FC:	Parts Returned
5225 - PowerVM Express Edition	EC21 - PowerVM EE for Small Server	No
5227 - PowerVM Standard Edition	EC21 - PowerVM EE for Small Server	No

Feature conversions for 8268-E1D virtualization engine features

From FC:	To FC:	Parts Returned
5225 - PowerVM Express Edition	EC21 - PowerVM EE for Small Server	No
5227 - PowerVM Standard Edition	EC21 - PowerVM EE for Small Server	No

Pricing terms

Prices in the following PDF prices link are suggested list prices on day of announcement for the US only. They are provided for your information only. Dealer prices may vary, and prices may also vary by country. IBM list price does not include tax or shipping and is subject to change without notice.

[ENUS-113-125-LIST_PRICES_2013_08_06.PDF](#)

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