

IBM Intelligent Cluster factory settings

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The following tables show the factory settings for network addressing, user IDs, rack numbering, BladeCenter[®] unit and node numbering, I/O bay location numbering, and hostnames of the various IBM[®] Intelligent Cluster[™] components. Table 6 lists the factory set hardware user ID and passwords.

Table 1: Network addressing* and hostnames

IP Address	Hostname	Component
172.20.0.1	mgt.cluster.com	Management node <i>eth0</i> (cluster vlan)
172.30.0.1	mgt1.cluster.com	Management node <i>eth1</i> (management vlan)
172.29.0.1	bmc	Management node alias <i>eth0:1</i> (cluster vlan)
172.29.101.1*	bmc001	Node BMCs
172.30.1.1	storage001	Storage nodes
172.30.2.1*	triton01A	DS3000/DS3500, V3700 storage controllers (A, B)
172.30.3.1	RamSan	IBM FlashSystem 720. 820
172.30.4.1	GSS x (1 or 2)	GSS Storage Server (Two servers in each solution)
172.20.101.1	node001	Compute nodes
172.40.101.1	hca001	HCA cards <i>ib0</i> (cluster vlan)
172.20.4.1	user001	User nodes
172.30.10.1*	volt-001	Voltaire 2004, 2012, 2036, 9096, 9288,4036, 4036 ^E , 4200, 4700.
	ql-001	Qlogic 9024, 9080, 9120, 9240, 12200, 12300, 12800
	mlnxis5030-001	Mellanox IS5030
	mlnxis5100-001	Mellanox IS5100
	mlnxis5200-001	Mellanox IS5200
	mlnxis5300-001	Mellanox IS5300 and
	mlnxis5600-001	IS5600
	mlnxsx6036-001	SX6036 FDR-10
	mlnxsx6036-001	SX6036 FDR
	mlnxsc6512-001	Mellanox SX6512 FDR
	mlnxsc6518-001	Mellanox SX6518 FDR
	mlnxsx6536-001	SX6536 FDR-10
	mlnxsx6536-001	SX6536 FDR
172.30.15.1*	mlnxbx5020-001	40Gb IB / 10Gb E / 1Gb E / FC Bridge BX5020 BridgeX
172.30.20.1*	ts-001	Terminal servers : Cyclades ACS32/ACS48 (SB)

172.30.50.1*	bnt80xx-001 ibm8052-001 ibmb50c -001 ibmb24x -001 ibmb48y -001 brocvdx6710-54-001 brocvdx6720-24-001 brocvdx6720-60-001 brocicx6610 cisco3750-001 cisco3560-001 force50-001 force60-001 ibmj48e -001 ibmj08e -001 ibmj16e -001 lge4550-001 lge5048xg-001 lgees4052g-001 smc 8126 -001 smc 8150 -001	1U/2U 1G Ethernet Switches BNT G8000 IBM BNT G8052 IBM B50C (Brocade) IBM B24X (Brocade) IBM B48Y (Brocade) Brocade VDX6710-54 Brocade VDX6720-24 Brocade VDX6720-60 Brocade ICX6610 Cisco 3750, 3750-X (SB) Cisco 3560 (SB) Force10 S50, S2410 (SB) Force10 S60 (SB) IBM J48E (Juniper EX4200) IBM J08E (Juniper EX8208) (SB) IBM J16E (Juniper EX8216) (SB) LG-Ericsson 4550G LG-Ericsson ES-5048XG LG-Ericsson ES-4052G SMC 8126L2 (LG-Ericsson) SMC 8150L2 (LG-Ericsson)
172.30.55.1	bnt81xx-001 ibm8264-001 ibm8316-001 smc8708-001 ibmb32 -001 mlnxsx1036-001	1U/2U 10G / 40G Ethernet Switches Blade Network Technologies 8100, 8124 (SB) IBM BNT G8264 IBM G8316 SMC 8708 (SB) IBM Converged Switch B32 (FcoE / 10G) Mellanox SX1036 40GbE
172.30.60.1*	apc-001	APC
172.30.65.1*	lslsas6160-001	LSI SAS6160 SAS Switch
172.30.70.1*	rcm-001	RCM
172.30.80.1*	ibmb08r -001 ibmb16r -001 brocmlxe8-001 brocmlxe16-001 cisco6509-001 force150-001 force300-001 force600-001 force1200-001 force600i-001 force1200i-001 volt-001	Enterprise Ethernet Switches IBM B08R (Brocade) (SB) IBM B16R (Brocade) (SB) Brocade MLXe-8 Brocade MLXe-16 Cisco 6509 (SB) Force10 C150 (SB) Force10 C300 (SB) Force10 E600 (SB) Force10 E1200 (SB) Force10 E600i (SB) Force10 E1200i (SB) Voltaire 8500 (SB)
172.30.85.1*	fc-001	Fibre Channel switches
172.30.101.131*	mm-001	BladeCenter management module

1 Indicates the hard-coded IP address of the various Intelligent Cluster components.

Note: IP addresses for similar components increment based on location from the bottom upward and from left to right within the rack (as viewed from the front), and then continue from left to right across the racks

of a multi-rack solution.

Table 2: Compute node IP addressing

Rack name	Network	Rack number	Node*
Rack1	172.20	101	1 to 84
Rack2	172.20	102	1 to 84

Example: rack 1, node 1 = 172.20.101.1

* Node numbering increases from the bottom of the rack upward.

* BladeCenter / Flex unit node numbering increases from the bottom of the rack upward and from left to right.

Table 3: BMC IP addressing

Rack name	Network	Rack number	Node
Rack1	172.29	101	1 to 84
Rack2	172.29	102	1 to 84

Example: rack 1, node 1 = 172.29.101.1

Table 4: BladeCenter IP Addressing BC-H 8852-xxx or 8677-xxx with an advanced management module (AMM)

Network	Rack number	I/O bay location number (1-10) + BladeCenter unit number (1-6)
172.30*	101	1 to 10 (SM I/O bay 1 – SM I/O bay 10) + 1 to 6 BladeCenter unit number
172.30*	102	1 to 10 (SM I/O bay 1 – SM I/O bay 10) + 1 to 6 BladeCenter unit number
172.30*	101	Advanced management module* 130 + 1 to 6 BladeCenter unit number *Advanced management modules in the same BladeCenter unit share one IP address.

Examples: 172.30.101.34 – the switch module fitted to I/O bay 3 in BladeCenter unit 4 of rack 1

172.30.102.46 – the switch module fitted to I/O bay 4 in BladeCenter unit 6 of rack 2

172.30.106.104 – the switch module fitted to I/O bay 10 in BladeCenter unit 4 of rack 6

172.30.106.133 – the AMM for BladeCenter unit 3 of rack 6

Table 5: InfiniBand HCA IP Addressing

Rack name	Network	Rack number	HCA*
Rack1	172.40	101	1 to 84
Rack2	172.40	102	1 to 84

Example: rack 1, hca 1 = 172.40.101.1

*Host channel adapter (HCA) numbering increases from the bottom of the rack upward.

Table 6: Factory set user IDs and passwords

Hardware	User ID	Password	Comments
Avocent MP 5300	root	avocent	Default
APC switch	apc	apc	Default
Itouch terminal	access	system	Default
InReach terminal	InReach	access	Default
BNT switch	admin	admin	Default
Brocade MLXE-8	none	none	Default
Brocade VDX 67xx-xx	admin	password	Default
Cyclades terminal	root	tslinux	Default
Cisco switch	(see Comments)	ibm1350	Press Enter at the userid prompt
LG-Ericsson 4550, 5048, 4052	admin	admin	Default
LSI SAS6160	admin	admin	Default
SMC switch	admin	admin	Default
SMC 8024L2	admin	smcadmin	Default
DS3000/4000 Storage	shellUser	wy3oo&w4	Default
Fibre Channel switch	admin	password	Default
FlashSystem 7010/20, 810/20	admin	password	Default
Force10	none	none	For priv exec, the password is force10
RSAs	USERID	PASSW0RD	The 0 in passw0rd is a zero
BladeCenter management module	USERID	PASSW0RD	The 0 in passw0rd is a zero
Cisco InfiniBand switch	admin	adminpass	Default
Mellanox	admin	admin	Default
Qlogic InfiniBand switch	admin	adminpass	Default
V3700	superuser	passw0rd	Default
Voltaire InfiniBand switch	admin	123456	Default
QLogic BC FC switch module	USERID	PASSW0RD	The 0 in passw0rd is a zero
Juniper	admin	admin	Create at initial log in

Table 7: Operating system passwords

Operating system	USERID	Password
Management server	root	ibm1350
Nodes	admin root	cluster cluster

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