

IBM System Cluster 1350 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[®] System Cluster 1350[™] components.

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
172.20.1.1	storage001	Storage nodes
172.30.2.1*	triton001	DS3000/DS4000 storage controllers
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*	myri001 cis001 volt001	Myrinet or InfiniBand: Cisco 7000, 7024, Voltaire 9024, 9288 switches
172.30.20.1*	ts001	Terminal servers: MRV LX-32, LX-48; Cyclades ACS32/ACS48
172.30.30.1*	rsa001	RSA cards
172.30.40.1*	cisco3550-001	10/100 Cisco switches
172.30.50.1*	cisco3750-001 smc8624-001 smc8748-001 smc8708-001 force50-001	Cisco 3700 Series, SMC 86xx and SMC 87xx, and Force10 S50 switches
172.30.60.1*	apc001	APC
172.30.70.1*	rcm001	RCM
172.30.80.1*	cisco4506-001 cisco6503-001 cisco6509-001 force300-001 force600-001 force1200-001	Cisco 4506 and 6500 series and Force10 E300/E600/E1200 switches
172.30.85.1*	fc001	Fibre Channel switches
172.30.101.131*	mm001	BladeCenter management module

* Indicates the hard-coded IP address of the various Cluster 1350 components.

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 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 8677-xxx with management module 1 (MM1)

Network	Rack number	I/O bay location number
172.30*	101	1 to 4 (SM I/O bay 1 –SM I/O bay 4) or, 5 (MM ext) or, 6 (MM int)
172.30*	102	1 to 4 (SM I/O bay 1 - SM I/O bay 4) or, 5 (MM ext) or, 6 (MM int)

Examples:

172.30.104.3 - the IP address of the switch module fitted to I/O bay 3 in BladeCenter unit 4

172.30.106.5 - the IP address of the external port (*eth0*) for the management module in BladeCenter unit 6

172.30.106.6 - the IP address of the internal port (*eth1*) for the management module in BladeCenter unit 6

Table 5: 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 6: InfiniBand HCA IP Addressing

Network	Rack number	Rack name	HCA*
172.40	101	Rack1	1 to 84
172.40	102	Rack2	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 7: Factory set user IDs and passwords

Hardware	User ID	Password	Comments
APC switch	apc	apc	Default
ITouch terminal	access	system	Default
InReach terminal	InReach	access	Default
Cyclades terminal	root	tslinux	Default
Cisco switch	(see Comments)	ibm1350	Press Enter for the userid prompt
SMC switch	admin	admin	Default
FASTT	(see Comments)	infiniti	Press Enter for the userid prompt
Fibre Channel switch	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	super	super	Default
Voltaire	admin	123456	Default

Table 8: Operating system passwords

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

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Filename: 1350FS_0207.doc
Directory: C:\Cluster 1350\1350 7A
Template: C:\Documents and Settings\weiler\Application
Data\Microsoft\Templates\Normal.dot
Title: Hostnames and IP Addressing Scheme: This table shows the network
addressing / hostnames used
Subject:
Author: IBM_USER
Keywords:
Comments:
Creation Date: 2/28/2007 1:59 PM
Change Number: 2
Last Saved On: 2/28/2007 1:59 PM
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