Subnet List

The Network and Telecommunications Department
The LBLnet Services Group

Appletalk and Fastpath Notes
FastPaths are routers that forward AppleTalk packets between LocalTalk and EtherTalk Macintoshes and printers as well as allowing LocalTalk Macintoshes to use MacTCP to reach the Internet. Macintosh systems on a LocalTalk will almost always have their MacTCP configurations set to "Server" mode. Users should not "Manually" configure MacTCP to use FastPath addresses unless explicitly directed to do so by LBLnet staff, as they are used for automatic assignment by the FastPaths.

Subnet Notes
LBLnet subnets are assigned from two Class B network addresses, 128.3.0.0 and 131.243.0.0.

All subnets not shown are reserved. Various subnets that are shown as reserved will allow for the expansion of the specified subnet from an 8-bit host field to a 10-bit host field. The upper quarter of the space in expanded subnets are reserved for "net use", which will allow for DHCP (the Dynamic Host Configuration Protocol) automatic assignment blocks in the future.

Last update by: John R. Christman
Date: June 17 2002

128.3 SUBNETS

Subnet	network mask	default gateway	use
128.3.1	255.255.255.0	128.3.1.1	Building 50D (CCSE)
128.3.2	255.255.255.0	128.3.2.1	Building 50B-floors 4/5/6 (Comp.Directorate/Physics/Library)
128.3.3	255.255.255.0	128.3.3.1	Building 50E (CNR/Physics/NSD/OPS)
128.3.5	255.255.255.0	128.3.5.1	Building 50A-floors 1/2 (NSD/Physics)
128.3.6	255.255.255.0	128.3.6.1	Building 50F (Computing/TEID)
128.3.7	255.255.255.0	128.3.7.1	Building 50B-2265 (Computing Room)
128.3.9	255.255.255.0	128.3.9.1	Building 50A-floor 3/50C (ESnet/Par. Apple./User Srvcs.)
128.3.10	255.255.254.0	128.3.11.1	Building 50B-floors 1/2/3 (Computing/Graphics Lab)
128.3.11	255.255.254.0	128.3.11.1	Building 50B-floors 1/2/3 (Computing/Graphics Lab)
128.3.12	255.255.252.0	128.3.12.1	Building 90
128.3.13	255.255.252.0	128.3.12.1	Building 90 (part of 128.3.12)
128.3.14	255.255.252.0	128.3.12.1	Building 90 (part of 128.3.12)
128.3.15	255.255.252.0	128.3.12.1	Building 90 (part of 128.3.12) Reserved for net use
128.3.16	255.255.255.0	128.3.16.1	Building 50B Bill Saphir IBM Cluster 50B-2265
128.3.20	255.255.252.0	128.3.20.1	Building 90 (same as 128.3.12)
128.3.21	255.255.252.0	128.3.20.1	Building 90 (part of 128.3.20)
128.3.22	255.255.252.0	128.3.20.1	Building 90 (part of 128.3.20)
128.3.23	255.255.252.0	128.3.20.1	Building 90 (part of 128.3.20)
128.3.24	255.255.255.0	128.3.24.1	Building 941 (Center Street Building)
128.3.25	255.255.255.0	128.3.25.1	Building 943 Oakland (Unix)
128.3.26	255.255.255.0	128.3.26.1	Building 943 Oakland (Backup)
128.3.27	255.255.255.0	128.3.27.1	Building 943 Oakland (test)
128.3.28	255.255.255.0	128.3.28.1	Building 50A-2109 (PDSF)
128.3.29	255.255.255.0	128.3.29.1	Building 943 Oakland (Office Subnet)
128.3.32	255.255.252.0	128.3.34.146	Bridged Subnet (same as 128.3.252)
128.3.33	255.255.252.0	128.3.34.146	Bridged Subnet (part of 128.3.32)
128.3.34	255.255.252.0	128.3.34.146	Bridged Subnet (part of 128.3.32)
128.3.35	255.255.252.0	128.3.34.146	Bridged Subnet (part of 128.3.32) Reserved for net use
128.3.36	255.255.252.0	128.3.36.1	LANmark LN1,LN2 for FastPaths and hosts
128.3.37	255.255.252.0	128.3.36.1	LANmark LN1,LN2 (part of 128.3.36)
128.3.38	255.255.252.0	128.3.36.1	LANmark LN1,LN2 (part of 128.3.36)
128.3.39	255.255.252.0	128.3.36.1	LANmark LN1,LN2 (part of 128.3.36)
128.3.41	255.255.255.0	128.3.41.1	CITG Grp. IMAP4 Production Servers
128.3.42	255.255.255.240		CITG Grp. BIG IP Project
128.3.44	255.255.255.0		Building 88 Gammasphere Project
128.3.48	255.255.255.0		Building 77 switched, Building 31
128.3.52			EECAD, Building 50B - not routed, local use only
128.3.68			FastPath, b70-dps.lbl.gov
128.3.76	255.255.254.0	128.3.76.1	Bldg 90 Trailers
128.3.77	255.255.254.0	128.3.76.1	Bldg 90 Trailers (part of 128.3.76)
128.3.83	255.255.255.0	128.3.83.1	temporary Marriott conference subnet 1/2002
128.3.116			Reserved
128.3.120			Misc. small subnets, various subnet sizes
128.3.120	255.255.255.240		Gammasphere Multicast
128.3.128	255.255.252.0	128.3.128.1	Buildings 46/47/58 Complex
128.3.129	255.255.252.0	128.3.128.1	Buildings 46/47/58 Complex (part of 128.3.128)
128.3.130	255.255.252.0	128.3.128.1	Buildings 46/47/58 Complex (part of 128.3.128)

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128.3.131.......255.255.252.0...128.3.128.1.....Buildings 46/47/58 Complex (part of 128.3.128)
128.3.132.......255.255.255.0...128.3.132.1.....Buildings 4/5/25/25A/44A/44B
128.3.140.......255.255.252.0...128.3.140.2.....CSR - Bldg 50 complex
128.3.141.......255.255.252.0...128.3.140.2.....CSR - Bldg 50 complex (part of 128.3.140)
128.3.142.......255.255.252.0...128.3.140.2.....CSR - Bldg 50 complex (part of 128.3.140)
128.3.143.......255.255.252.0...128.3.140.2.....CSR - Bldg 50 complex (part of 128.3.140) - Reserved for net use
128.3.152.......255.255.255.0...................Testing (DHCP) Powers/Rosenberg
128.3.164.......................................Resmed NMR, Building 55 - Mark S. Roos
128.3.168.......................................Net Experiments - Ted Sopher
128.3.176.......................................Point to point pseudo-net
128.3.180.......255.255.252.0...128.3.180.1.....Buildings 70/70A/
128.3.181.......255.255.252.0...128.3.180.1.....Buildings 70/70A/ (part of 128.3.180)
128.3.182.......255.255.252.0...128.3.180.1.....Buildings 70/70A/ (part of 128.3.180)
128.3.183.......255.255.252.0...128.3.180.1.....Buildings 70/70A/ (part of 128.3.180) - Reserved for net use
128.3.196.......255.255.252.0...128.3.196.10....Building 50B (used to be called the Adv. Dev. subnet)
128.3.197.......255.255.252.0...128.3.196.10....Building 50B (part of 128.3.196)
128.3.198.......255.255.252.0...128.3.196.10....Building 50B (part of 128.3.196)
128.3.199.......255.255.252.0...128.3.196.10....Building 50B (part of 128.3.196) - Reserved for net use
128.3.224.......255.255.252.0...................FDDI TP-PMD Trials, Bldg. 50B - Bill Johnston
128.3.240.......................................Physics VME, 50A-2156
128.3.252.......255.255.252.0...128.3.254.146...Bridged Subnet (same as 128.3.32)
128.3.253.......255.255.252.0...128.3.254.146...Bridged Subnet (part of 128.3.252)
128.3.254.......255.255.252.0...128.3.254.146...Bridged Subnet (part of 128.3.252)
128.3.255.......255.255.252.0...128.3.254.146...Bridged Subnet (part of 128.3.252) Reserved for net use
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131.243 SUBNETS

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                                default
Subnet          network mask    gateway         use
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131.243.1.......255.255.255.0...131.243.1.1     Network Research Group
131.243.2.......255.255.255.0...131.243.2.1     Imaging and Distributed Computing Group
131.243.3.......255.255.255.0...131.243.3.1     Bldg. 72C
131.243.6.......(assigned by LBLnet staff)......ISDN subnets with 4-bit host field
131.243.7.......(assigned by LBLnet staff)......ISDN subnets with 3-bit host field
131.243.8.......................................Leuschner Observatory in Lafayette hills
131.243.9.......255.255.255.0...131.243.9.1.....DHCP Service
131.243.10......255.255.255.0...131.243.10.1....Bldg. 55
131.243.11......255.255.255.0...131.243.11.1....Bldg. 75 Backup Facility
131.243.12......255.255.252.0...131.243.12.1....Bldgs. 62 (New Subnet)
131.243.13......255.255.252.0...131.243.12.1....Bldgs. 62
131.243.14......255.255.252.0...131.243.12.1....Bldgs. 62
131.243.15......255.255.252.0...131.243.12.1....Bldgs. 62
131.243.16......255.255.252.0...131.243.16.1....Bldgs. 62/66/72
131.243.17......255.255.252.0...131.243.16.1....Bldgs. 62/66/72 (part of 131.243.16)
131.243.18......255.255.252.0...131.243.16.1....Bldgs. 62/66/72 (part of 131.243.16)
131.243.19......255.255.252.0...131.243.16.1....Bldgs. 62/66/72 (part of 131.243.16) Rserved for net use
131.243.20......255.255.255.0...131.243.20.1....ISDN testing and Remote Conferences
131.243.21......255.255.255.248.131.243.218.49..ISDN Remote Services
131.243.24......255.255.255.0...131.243.24.1... RAS testing
131.243.32......255.255.252.0...131.243.32.1....Donner/Stanley/Hildebrand
131.243.33......255.255.252.0...131.243.32.1....Donner/Stanley/Hildebrand (part of 131.243.32)
131.243.34......255.255.252.0...131.243.32.1....Donner/Stanley/Hildebrand (part of 131.243.32)
131.243.35......255.255.252.0...131.243.32.1....Donner/Stanley/Hildebrand  Part of the DHCP Scope Range
131.243.36......255.255.255.0...131.243.36.1....Building 51
131.243.40......255.255.252.0...131.243.40.1....User FDDI
131.243.41......255.255.252.0...131.243.40.1....User FDDI (part of 131.243.40)
131.243.42......255.255.252.0...131.243.40.1....User FDDI (part of 131.243.40)
131.243.43......255.255.252.0...131.243.40.1....User FDDI (part of 131.243.40) Reserved for net use
131.243.44......255.255.252.0...131.243.44.1....R&D ATM (operated by ITG/DCG group)
131.243.45......255.255.252.0...131.243.44.1....R&D ATM (part of 131.243.44)
131.243.46......255.255.252.0...131.243.44.1....R&D ATM (part of 131.243.44)
131.243.47......255.255.252.0...131.243.44.1....R&D ATM (part of 131.243.44) Reserved for net use
131.243.48......255.255.252.0...131.243.48.1....Bldg. 50
131.243.49......255.255.252.0...131.243.48.1....Bldg. 50 (part of 131.243.48)
131.243.50......255.255.252.0...131.243.48.1....Bldg. 50 (part of 131.243.48)
131.243.51......255.255.252.0...131.243.48.1....Bldg. 50 (part of 131.243.48) Reserved for net use
131.243.52......255.255.255.0...131.243.52.1....Bldg. 3 Calvin Lab.
131.243.55......255.255.255.0...131.243.55.1....Bldg. 50B-2215 only for private experimental use.  Chuck McParland
131.243.56......255.255.252.0...131.243.56.1....Bldg. 84
131.243.57......255.255.252.0...131.243.56.1....Bldg. 84 (part of 131.243.56)
131.243.58......255.255.252.0...131.243.56.1....Bldg. 84 (part of 131.243.56)
131.243.59......255.255.252.0...131.243.56.1....Bldg. 84 (part of 131.243.56) Part of the DHCP Scope Range
131.243.60......255.255.255.0...131.243.60.1....50B-2265
131.243.64......255.255.252.0...131.243.64.1....Bldg. 50B
131.243.65......255.255.252.0...131.243.64.1....Bldg. 50B (part of 131.243.64)
131.243.66......255.255.252.0...131.243.64.1....Bldg. 50B (part of 131.243.64)
131.243.67......255.255.252.0...131.243.64.1....Bldg. 50B (part of 131.243.64) Reserved for net use
131.243.70......255.255.255.0...131.243.70.1....Bldgs. ALS, 10, 80
131.243.71......255.255.255.0...131.243.71.1....ALS Control
131.243.72......255.255.255.0...131.243.72.1....ALS Beamline 6
131.243.73......255.255.255.0...131.243.73.1....ALS Beamline 7
131.243.74......255.255.255.0...131.243.74.1....ALS Beamline 8
131.243.75......255.255.255.0...131.243.75.1....ALS Beamline 9
131.243.76......255.255.255.0...131.243.76.1....ALS Beamline 10
131.243.77......255.255.255.0...131.243.77.1....ALS Beamline 11
131.243.78......255.255.255.0...131.243.78.1....ALS Beamline 12
131.243.79......255.255.255.0...131.243.79.1....ALS Beamline 5
131.243.80......................................reserved for ALS
131.243.81......................................reserved for ALS
131.243.82......................................reserved for ALS
131.243.83......255.255.255.0...131.243.83.1....ALS Beamline 4
131.243.84... ..255.255.255.0...131.243.84.1....ALS Control #2
131.243.85......255.255.255.0...131.243.85.1....ALS Mezzanine
131.243.86......255.255.255.0...131.243.86.1....TP-PMD FDDI Trials - Bill Johnston
131.243.87......255.255.255.0...131.243.87.1....Fast Feed Back Subnet
131.243.88......255.255.255.0...131.243.88.1....ALS Mezzanine Part 2
131.243.92......255.255.255.0...131.243.92.1....Bldg. 10
131.243.96......255.255.252.0...131.243.96.1....Bldgs. 7/16/76
131.243.97......255.255.252.0...131.243.96.1....Bldgs. 7/16/76 (part of 131.243.96)
131.243.98......255.255.252.0...131.243.96.1....Bldgs. 7/16/76 (part of 131.243.96)
131.243.99......255.255.252.0...131.243.96.1....Bldgs. 7/16/76 (part of 131.243.96) Reserved for net use
131.243.112.....255.255.252.0...131.243.112.1...Bldgs. 50A
131.243.113.....255.255.252.0...131.243.112.1...Bldgs. 50A (part of 131.243.112)
131.243.114.....255.255.252.0...131.243.112.1...Bldgs. 50A (part of 131.243.112)
131.243.115.....255.255.252.0...131.243.112.1...Bldgs. 50A (part of 131.243.112) Reserved for net use
131.243.120.....255.255.255.0...131.243.120.1...Bldg.  14
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