NORDUnet Traffic Report

August 1996

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SNMP Availability statistics 960801 - 960831

Line/Site	Number of downs			Total	Avail
	>1hour	1h-10min	0-10min	downtime	
Stockholm-Iceland	0	1	1	00:22:30	99.95%
Stockholm-Finland-34M	0	3	87	03:06:00	99.58%
Stockholm-Washington-34M	4	5	304	16:58:55	97.72%
Stockholm-London-Triangle	0	1	6	00:43:01	99.90%
Stockholm-Denmark-8M	0	1	5	00:20:08	99.95%
se-s2.dante.bt.net	0	1	34	01:41:01	99.77%
no-gw2.nordu.net	0	1	3	00:38:00	99.91%

Event Log

960805	The Stockholm D-GIX FDDI-ring rebuilt and the DEC Gigaswitch installed.
960806 10:30	34M line Munich-Stockholm down. Up again at 16:30
960807	Internal system disk on nic.nodu.net broken. Temporarily replaced by a spare machine.
960809 15:50	34M Stockholm-US down. Problem with the ICM-PEN-1 router. Up again at 18:20
960812 16:15	34M Stockholm-US down. ICM-PEN-1 restarted. Up at 18:05.
960813 15:47	Problem with ICM-PEN-1 again.
960815 07:53	ICM-PEN-1 hardware replaced.
960815	New 2M line between Nordunet and DFN/Cologne in production.
960820 18:00	EMPB2-GW removed. The IBDNS line moved to NORD-GW.
960820 22:30	Unstable routing within Sprint/ICM and Sprintlink causing lots of route-flaps and poor performance on the 34M Stockholm-US link. Overloaded FDDI interfaces at the NAP.
960826 19:00	Stockholm-EBS upgraded from a cisco 4500 to a 7500
960828	Line protocol and BGP peering betwean NORDUnet and FUNET going up/down several times. FI-GW seems to have reset a number of other BGP peers as well but no errors on the 34Mb line.
960830 14:00	Bad performance betwean ICM-UK-1 and ICM-PEN-1. Problem caused by route-flapping in combination with large amounts of traffic that made re-establishing the internal BGP peers on ICM-PEN-1 a very slow process.

	Megabytes during 9608	
	Input	Output
NORDUnet-DFN-Cologne	75030.2	129427.6
NORDUnet-Denmark-8M	392292.9	628641.9
NORDUnet-IBDNS	155648.1	278628.8
NORDUnet-Finland-34M	1616031.7	1554238.1
NORDUnet-DGIX	355404.2	758288.3
NORDUnet-Iceland	134247.9	345529.6
NORDUnet-Norway-8M	867127.2	967772.8
NORDUnet-Poland/NASK	73558.1	173793.0
NORDUnet-Sweden-upper	1275393.6	1486466.1
NORDUnet-Sweden-lower	880679.1	709836.1
NORDUnet-NGW-FDDI	551930.2	316346.6
NORDUnet-SGW-FDDI	1995770.4	1518536.6
NORDUnet-Lviv	6257.9	17865.0
NORDUnet-LITNET/Kaunas	31095.1	25128.5
NORDUnet-LATNET/Riga	35301.3	112453.4
Stockholm-Ebone-Paris	348294.5	418161.6
Stockholm-Ebone-Paris-2	356975.0	427226.5
Stockholm-Pennsauken-34M	5690665.2	4390082.1
Triangle-Stockholm-Amsterdam	166089.8	203944.4
Triangle-Stockholm-London	150017.7	147367.8
ICM-NORDUnet-FDDI	3233734.6	3934262.2
nic.nordu.net	79679.6	34837.8

	Utilization during 9608			
	Input %		Output %	
	aver	peak	aver	peak
NORDUnet-DFN-Cologne	23.40	62.77	40.68	85.16
NORDUnet-Denmark-8M	14.67	30.75	22.98	60.27
NORDUnet-IBDNS	24.11	53.89	43.40	77.44
NORDUnet-Finland-34M	14.79	21.93	13.79	27.92
NORDUnet-DGIX	10.93	21.83	23.43	42.12
NORDUnet-Iceland	21.17	35.82	54.41	87.38
NORDUnet-Norway-8M	33.15	51.34	36.25	72.03
NORDUnet-Poland/NASK	12.31	34.48	29.26	60.60
NORDUnet-Sweden-upper	11.52	22.89	13.68	22.29
NORDUnet-Sweden-lower	8.05	12.71	6.42	12.17
NORDUnet-NGW-FDDI	8.11	12.65	4.62	8.58
NORDUnet-SGW-FDDI	25.93	54.81	22.43	32.40
NORDUnet-Lviv	30.64	64.78	87.43	98.61
NORDUnet-LITNET/Kaunas	76.22	97.07	61.48	91.11
NORDUnet-LATNET/Riga	24.62	45.93	59.60	97.94
Stockholm-Ebone-Paris	50.62	81.91	61.81	87.00
Stockholm-Ebone-Paris-2	52.64	85.01	64.21	90.79
Stockholm-Pennsauken-34M	43.08	88.02	41.11	55.04
Triangle-Stockholm-Amsterdam	25.15	60.60	30.89	72.92
Triangle-Stockholm-London	22.62	74.53	22.38	65.67
ICM-NORDUnet-FDDI	30.29	41.10	32.51	64.78
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	Kbps during 9608				
	Input		Output		Max
	aver	peak	aver	peak	speed
NORDUnet-DFN-Cologne	514	1466	1008	1903	1984
NORDUnet-Denmark-8M	772	1747	980	2456	8192
NORDUnet-IBDNS	502	1042	759	1603	2048
NORDUnet-Finland-34M	3347	4671	3096	5114	34000
NORDUnet-DGIX	661	1239	1539	2931	10000
NORDUnet-Iceland	344	652	923	1524	1984
NORDUnet-Norway-8M	2320	5016	2242	3604	8192
NORDUnet-Sweden-upper	2824	4817	3766	5568	34000
NORDUnet-Sweden-lower	2591	4021	1665	2871	34000
NORDUnet-NGW-FDDI	2618	4281	1524	2517	34000
NORDUnet-SGW-FDDI	11619	20918	8151	11128	34000
NORDUnet-Lviv	7	31	37	63	64
NORDUnet-LITNET/Kaunas	112	125	65	111	128
NORDUnet-LATNET/Riga	81	174	293	330	384
Stockholm-Ebone-Paris	939	1652	1001	1835	2048
Stockholm-Ebone-Paris-2	820	1498	988	1856	2048
Stockholm-Pennsauken-34M	14269	20393	12075	17900	34000
Triangle-Stockholm-Amsterdam	230	867	323	822	2048
Triangle-Stockholm-London	368	1689	227	1210	2048
ICM-NORDUnet-FDDI	8794	13467	8250	11969	34000
nic.nordu.net	369	1592	160	244	34000