NORDUnet Traffic Report

November 1996

SUNET-KTH • S-100 44 Stockholm • 08-7906513 • FAX: 08-241179 • email: staff@sunet.se

SNMP Availability statistics 961101 - 961130

Line/Site	Number of downs			Total downtime	Avail
	>1hour	1h-10min	0-10min		
Stockholm-Iceland	1	0	12	09:11:57	98.72%
Stockholm-Finland-34M	0	0	6	00:04:37	99.99%
Stockholm-Washington-34M	1	0	4	08:26:37	98.83%
Stockholm-Denmark-8M	0	0	3	00:04:02	99.99%
Stockholm-Norway-8M	3	0	7	04:52:10	99.32%
Stockholm-DFN	0	1	8	01:06:30	99.85%
Stockholm-Poland	0	5	19	02:14:57	99.69%

Event Log

961101	Software problem with is-gw casing line to hang.
961107 09:25	The NORDUnet US 34M line is down due to a problem the router in Pensauken. The 45Mbps termination now moved from icm-pen-2 to icm-pen-14.
961108 10:41	UK-SE triangle line problem
961112 11:35	UK-SE triangle line problem
961109	NORDUnet-US temporarily routed via the Tele2 155Mb system i order to fins out the real bandwidth need for NORDUnet, which turned out to be at least 60-70 Mbps.
961113 19:55	NL-SE triangle line problem
961114 10:57	NORDUnet 8Mb line to Oslo/Norway down. Major problem in Oslo.
961118 18:00	Reconfiguration work with fi-gw.
961129 06:27	NORDUnet 34Mb line to the US down due to a sea-cable fault between Germany and England. Traffic rerouted via the Tele2 155Mb link.
961129 06:27	Paris-Stockholm 1984K line down as well
961129 00:32	Link to Norway down (3h) due to Unisource maintanance work in Sweden.

	Megabytes during 9611	
	Input	Output
NORDUnet-Denmark-2M	94.5	94194.9
NORDUnet-Denmark-8M	571787.6	1111784.7
NORDUnet-Finland-34M	2171211.0	2770059.0
NORDUnet-Iceland	183813.0	430599.4
NORDUnet-Norway-2M	3893.5	207056.9
NORDUnet-Norway-8M	1433421.7	1573789.1
NORDUnet-Sweden-upper	744980.3	952418.3
NORDUnet-Sweden-lower	1260594.7	1308492.7
NORDUnet-NGW-FDDI	1889816.5	896453.1
NORDUnet-SGW-FDDI	5347144.9	3527018.4
NORDUnet-IBDNS	184078.8	317280.5
NORDUnet-DFN-Cologne	182385.1	351394.8
NORDUnet-DGIX	633811.2	1069323.5
NORDUnet-Poland/NASK	132648.5	277525.3
NORDUnet-RENATER-Paris	81167.5	170431.7
NORDUnet-Lviv	6979.2	24156.0
NORDUnet-LITNET/Kaunas	24834.7	52792.2
NORDUnet-LATNET/Riga	84382.6	158320.9
nic.nordu.net	150824.1	66799.6
Stockholm-Pennsauken-34M	4614232.6	2727579.0
Triangle-Stockholm-Amsterdam	266492.1	240602.4
Triangle-Stockholm-London	204289.0	215558.5
ICM-NORDUnet-FDDI	3238824.7	5138672.8

	Utilization during 9611			
	Input %		Output %	
	aver	peak	aver	peak
NORDUnet-Denmark-2M	0.02	1.49	27.17	73.50
NORDUnet-Denmark-8M	22.18	36.50	41.71	83.32
NORDUnet-Finland-34M	20.11	30.01	23.93	48.34
NORDUnet-Iceland	29.83	43.14	69.70	98.19
NORDUnet-Norway-2M	0.60	6.78	32.52	72.52
NORDUnet-Norway-8M	56.21	75.92	60.68	92.77
NORDUnet-Sweden-upper	6.75	16.29	8.82	16.31
NORDUnet-Sweden-lower	11.81	18.90	12.06	21.04
NORDUnet-NGW-FDDI	17.18	29.32	8.24	14.15
NORDUnet-SGW-FDDI	37.22	79.34	31.37	44.02
NORDUnet-Lviv	20.98	45.97	63.58	81.02
NORDUnet-Poland/NASK	22.29	38.22	46.56	79.05
NORDUnet-LITNET/Kaunas	42.82	74.68	57.94	93.83
NORDUnet-LATNET/Riga	40.15	63.51	73.06	97.40
NORDUnet-RENATER-Paris	13.13	43.55	27.56	70.06
NORDUnet-DFN-Cologne	29.52	69.61	56.90	92.77
NORDUnet-IBDNS	28.79	66.36	49.59	86.15
NORDUnet-DGIX	19.49	38.89	33.72	54.68
nic.nordu.net	4.88	14.76	2.16	3.38
Stockholm-Pennsauken-34M	33.43	77.86	25.58	37.24
Triangle-Stockholm-Amsterdam	41.83	84.72	37.63	84.40
Triangle-Stockholm-London	32.21	63.44	33.86	74.75
ICM-NORDUnet-FDDI	29.68	41.98	34.10	76.78

	Kbps during 9611				
	Input		Output		Max
	aver	peak	aver	peak	speed
NORDUnet-Denmark-2M	0	1	316	895	2048
NORDUnet-Denmark-8M	2079	3030	4338	7829	8192
NORDUnet-Finland-34M	6663	9514	9474	15855	34000
NORDUnet-Iceland	572	832	1315	1949	1984
NORDUnet-Norway-2M	2	110	650	1243	2048
NORDUnet-Norway-8M	4957	6182	5339	7823	8192
NORDUnet-Sweden-upper	6235	9721	5879	8951	34000
NORDUnet-Sweden-lower	4294	7022	4352	7470	34000
NORDUnet-NGW-FDDI	5926	9271	2916	4740	34000
NORDUnet-SGW-FDDI	18901	30844	11737	15289	34000
NORDUnet-Poland/NASK	399	637	972	1721	1920
NORDUnet-RENATER-Paris	252	675	630	1610	1984
NORDUnet-Lviv	16	37	79	96	128
NORDUnet-LITNET/Kaunas	37	77	84	118	512
NORDUnet-LATNET/Riga	294	612	425	747	384
NORDUnet-DFN-Cologne	589	1441	1279	1949	1984
NORDUnet-IBDNS	637	1626	1191	1903	2048
NORDUnet-DGIX	2052	3864	3498	4936	10000
nic.nordu.net	492	1540	222	315	10000
Stockholm-Pennsauken-34M	22312	33859	13540	19000	34000
Triangle-Stockholm-Amsterdam	891	1715	817	1868	2048
Triangle-Stockholm-London	1023	1749	755	1552	2048
ICM-NORDUnet-FDDI	14983	20669	23013	35614	100000