NORDUnet Traffic Report

December 1993

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PING Availability statistics 931201 - 931231

Line/Site	Number of downs			Total downtime	Avail
	>1hour	1h-10min	0-10min		
se-gw.sunet.se	0	0	1	00:03:59	99.99%
stockholm-ebs2.ebone.net	0	0	7	00:12:57	99.97%
dk-gw.nordu.net	0	0	17	00:28:54	99.94%
no-gw.nordu.net	0	0	24	00:37:01	99.92%
fi-gw.nordu.net	0	1	16	01:30:57	99.80%
is-gw.nordu.net	0	0	91	01:53:55	99.74%
tallinn-gw.nordu.net	0	1	81	02:40:49	99.64%
cern-ebs1.ebone.net	0	4	62	03:09:03	99.58%
bonn-ebs1.ebone.net	1	2	32	04:31:49	99.39%
london-ebs1.ebone.net	0	3	147	05:08:56	99.31%
stockholm-ebs1.ebone.net	2	2	69	12:12:51	98.36%
stockholm-washington.ebone.net	5	10	95	80:22:44	89.20%

SNMP Availability statistics 931201 - 931231

Line/Site	Number of downs			Total downtime	Avail
	>1hour	1h-10min	0-10min		
Stockholm-Tallinn	0	0	1	00:03:25	99.99%
Stockholm-Finland	0	0	45	00:21:17	99.95%
Stockholm-Norway	0	0	60	00:20:08	99.95%
Stockholm-Iceland	0	0	55	00:29:55	99.93%
Stockholm-Amsterdam	0	1	3	00:44:30	99.90%
Stockholm-Bonn	0	2	30	01:16:12	99.83%
Stockholm-London	0	4	37	01:37:52	99.78%
Stockholm-Poland	0	4	23	02:35:18	99.65%
Stockholm-Denmark	1	0	31	82:34:03	88.90%
Stockholm-Washington	3	4	51	87:14:03	88.27%

Event Log

931201 16:05	Stockholm-Amsterdam and Stockholm-Bonn lines down.
931202	Link to Denmark upgraded to 2Mbps, thus completing the NORDUnet 2Mbps upgrade.
931203	Full routing turned on in Amsterdam DANTE Gateway and BGP4 towards Ebone.
931204 10:34	PTT problem in Denmark, link Copemhagen-Stockholm down.
931206	Asymetric routing to/from London due to missing IGRP updates from Stockholm-EBS1
931208 18:00	Cern-EBS1.Ebone.net down for software upgrade.
931208 21:45	Paris-EBS1/2 taken down for maintenance (30 min).
931213 17:00	Dennis Ferguson's new BGP4-gated-code installed on both CERN-T1-routers.
931216 19:00	Maintenance work on Stockholm-EBS1
931216	NORDUnet 7000 cisco suffers from memory fragmentation, full routing stopped until the software problem found.
931217 00:26	NORDUnet-EuropaNET (IXI) down due to a software problem at the Amsterdam node.
931217 16:30	Links from Stockholm to US, UK and Bonn have very high error rates. A Tele2 problem
931218	Some routing problems within Ebone due to the memory fragmentation problem in the fast-switching cache code
931222 16:00	Paris-US/UK down due to a tranceiver problem in Paris-EBS2
931223 17:13	Stockholm-US link down caused by heavy snow storm in Stockholm
931230 10:35	Stockholm-Bonn link down due to a cable fault in Denmark

	Megabytes during 9312	
	Input	Output
NORDUnet-Denmark	18527.9	40497.3
NORDUnet-Finland	145683.7	111768.3
NORDUnet-Iceland	1657.3	5512.0
NORDUnet-Norway	65011.9	90334.0
NORDUnet-Poland	3424.9	10867.3
NORDUnet-Sweden	242376.8	147582.3
NORDUnet-Tallinn	1079.5	2972.2
Ebone-Stockholm-Amsterdam	97767.6	107144.8
Ebone-Stockholm-Bonn	2468.2	15615.7
Ebone-Stockholm-London	25190.0	27393.1
Ebone-Stockholm-US	175700.9	170773.9

	Utilization during 9312			
	Input %		Output %	
	aver	peak	aver	peak
NORDUnet-Denmark	3.87	11.45	8.44	25.04
NORDUnet-Finland	28.10	49.16	21.52	40.96
NORDUnet-Iceland	11.61	55.87	38.06	90.80
NORDUnet-Norway	12.13	23.13	17.49	33.79
NORDUnet-Poland	0.69	1.91	2.17	6.56
NORDUnet-Sweden	45.46	72.65	27.28	47.39
NORDUnet-Tallinn	6.53	29.96	18.02	50.63
Ebone-Stockholm-Amsterdam	24.65	44.47	26.65	51.83
Ebone-Stockholm-Bonn	3.69	24.26	23.47	53.10
Ebone-Stockholm-London	37.32	82.02	41.71	78.54
Ebone-Stockholm-US	45.52	74.88	43.47	71.45

	Kbps during 9312				
	Input		Output		Max
	aver	peak	aver	peak	speed
NORDUnet-Denmark	71	213	156	469	1920
NORDUnet-Finland	562	1072	430	872	1984
NORDUnet-Iceland	7	32	21	59	56
NORDUnet-Norway	245	657	350	705	1984
NORDUnet-Poland	13	37	42	126	1920
NORDUnet-Sweden	947	1596	567	1005	2048
NORDUnet-Tallinn	4	19	12	32	64
Ebone-Stockholm-Amsterdam	377	683	407	796	1536
Ebone-Stockholm-Bonn	9	62	60	136	256
Ebone-Stockholm-London	96	216	107	219	256
Ebone-Stockholm-US	687	1250	656	1157	1536