

## NDGF/NORDUnet monitoring

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Nagios:

Hosts and services

Zino: (Zino Is Not Openview)

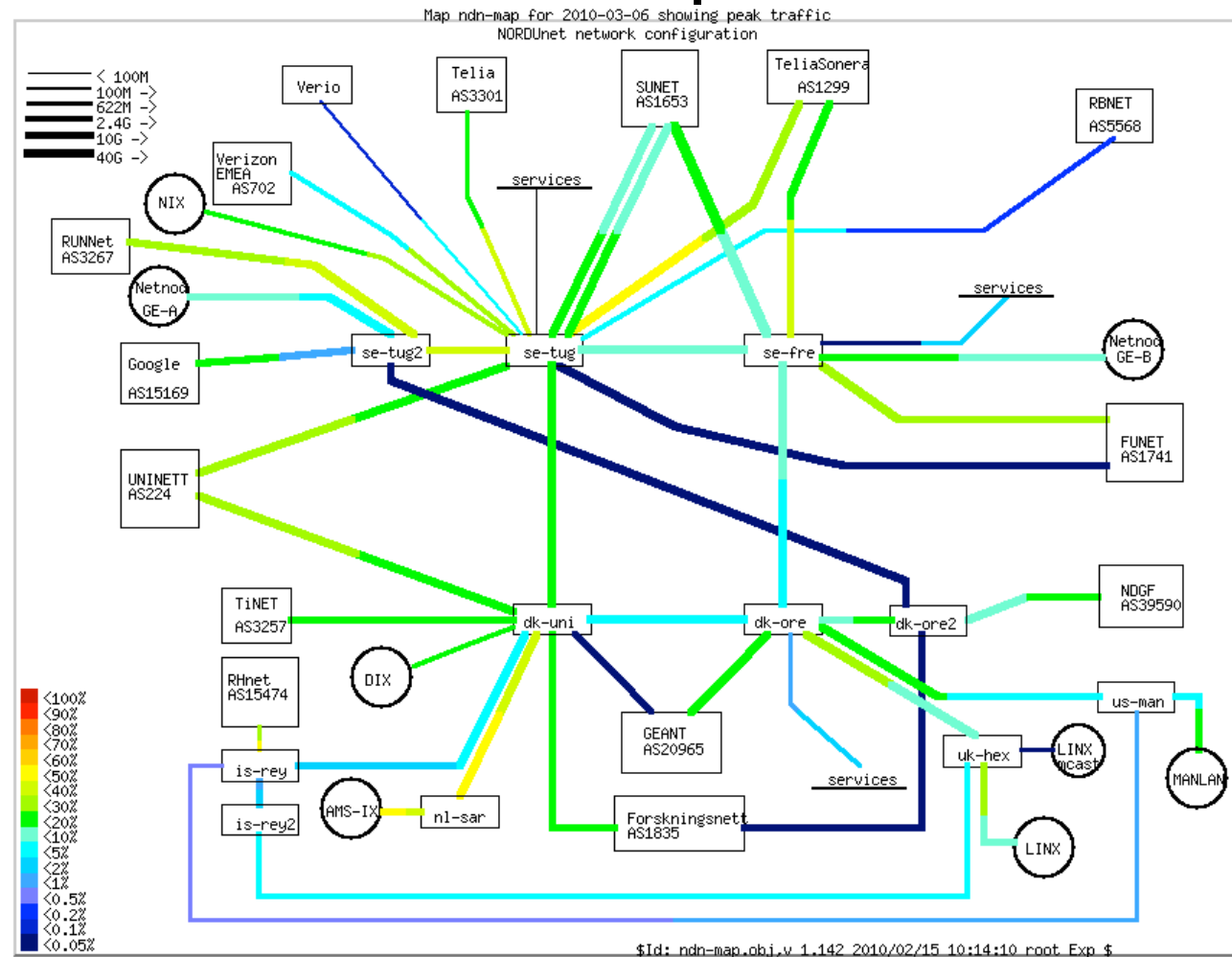
Interfaces and links

Alcatel:

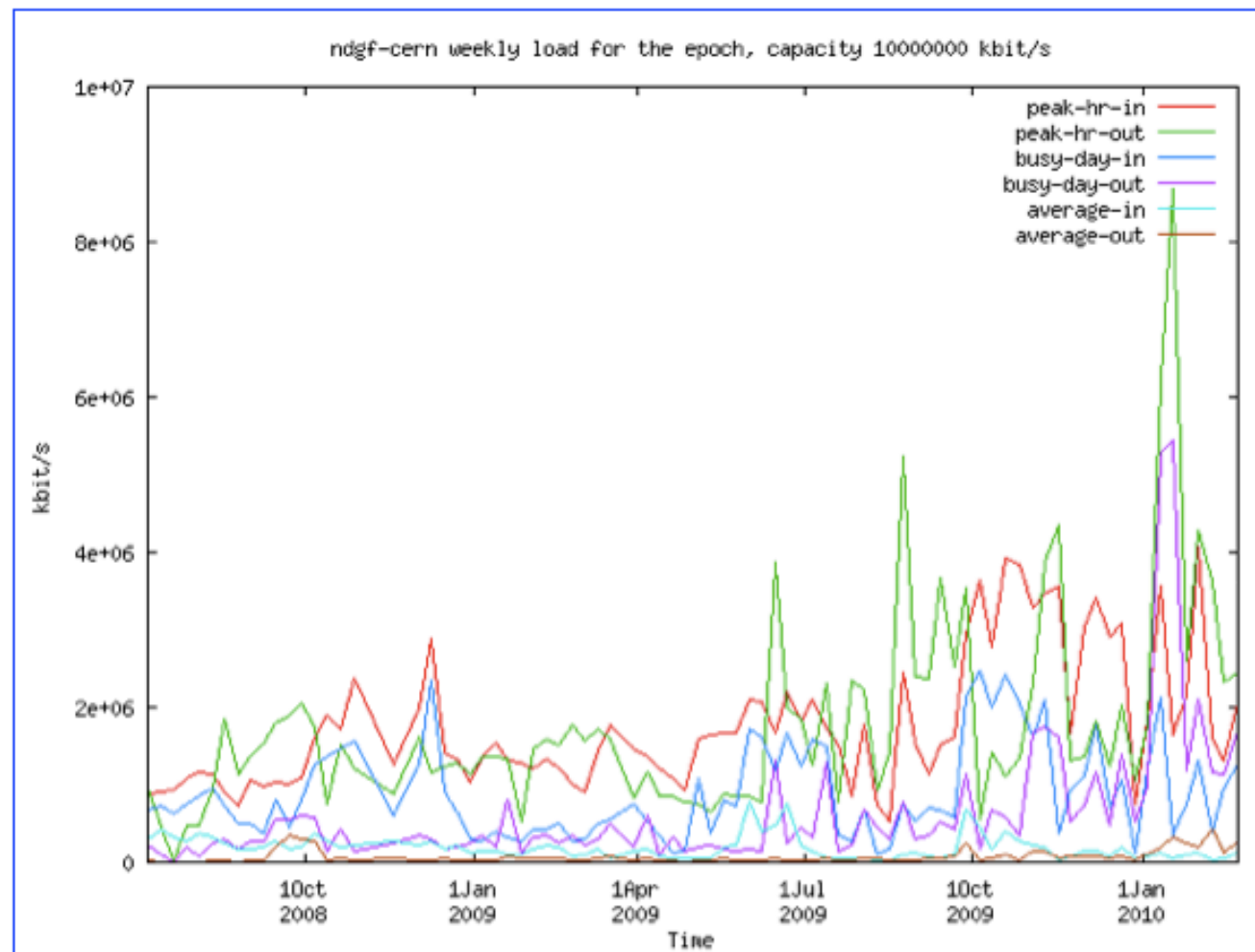
Alcatel DWDM and Ethernet links

- Created in Uninett by Håvard Eidnes
- Monitors
  - Interface stats (~100 in nordunet, ~500 in sunet)
  - Interface up/down
  - BGP peerings
  - Router Alarms
- Web interface
- E-mail
- Client (Ritz)

## • Zino Weather map



### ndgf-cern weekly traffic in kbit/s epoch (since Tue 1 Jul 1997)



- Display and acc alarms
- X11

RITZ (stats.sunet.se) - Remote interface to zino

OpState	AdmState	Age	Downtime	Router	Port	Description
bgp down	open	0d 0:30:56.00		x3tug	AS 12381 193.110.13.99	(peer is down)
port down	working	4d 10:14:58.00	4d 10:14:58.00	x2sth	ge-2/0/4	(Link to EDB SU-4000082, sunet-edb1)
port down	working	4d 10:13:29.00	4d 10:13:29.00	x1sth	ge-2/0/6	(Connection to EDB SN-125 SU-4000083, sunet-edb2)
bgp down	working	4d 23:21:05.00		c2sth	AS 44581 194.68.131.76	(peer is down)
bgp connect	working	13d 15:22:16.00		c2sth	AS 8289 194.68.130.76	(peer is now admin turned on)
bgp down	working	25d 6:05:52.00		c2sth	AS 42708 194.68.128.194	(peer is down)
bgp down	working	34d 9:42:05.00		c2sth	AS 8289 194.68.128.76	(peer is down)
bgp down	working	34d 9:42:05.00		c2sth	AS 8289 195.69.119.76	(peer is down)
bgp down	working	34d 9:48:08.00		c1sth	AS 8289 194.68.123.76	(peer is down)
bgp active	working	51d 3:20:26.00		c2sth	AS 8473 195.69.119.85	(peer is now admin turned on)
bgp active	working	52d 8:32:37.00		c2sth	AS 29518 195.69.118.148	(peer is now admin turned on)
bgp down	working	87d 0:27:24.00		ybtug	AS 41992 130.242.82.238	(peer is down)
bgp established	open	0d 19:35:31.00		c2sth	AS 16265 194.68.128.160	(peer was reset (now up))
bgp established	open	0d 19:35:39.00		c1sth	AS 16265 194.68.123.160	(peer was reset (now up))
bgp established	open	1d 14:37:09.00		x3tug	AS 64646 130.242.82.146	(peer was reset (now up))
bgp established	working	2d 0:05:49.00		c1sth	AS 44581 195.245.240.183	(peer was reset (now up))
bgp admin-down	open	32d 3:08:49.00		c1sth	AS 64534 130.242.82.34	(peer is admin turned off)
bgp admin-down	working	4d 9:58:41.00		x2sth	AS 28726 130.242.60.90	(peer is admin turned off)
bgp admin-down	working	4d 10:04:47.00		x1sth	AS 28726 130.242.60.94	(peer is admin turned off)

