Camp 2011 NOC Review
Topics

• Uplink
• Hardware
• Buildup
• Datacenter
• Camp Network
• Weathermap
• WLAN
• Problems
Uplink

- 1 GE Telta
- 1 GE Layer2 to Berlin
- Carrier51, Netsign, CCC
- ~4 km through the woods
- only 20m of cable left on the spool :-)

Freitag, 30. Dezember 2011
Hardware

- MX80 as BGP Router
- Force10 E600 Core Router
- Force10 E300 Hackcenter/Colo
- we bought ~60 HP Access switches
- ~12 Hirschmann Mach4k2 distribution switches
Buildup

first draft
120++ fusion splices
Digging

• have to dig ~3km fibre
• 20cm deep against tent pegs
• so... we built a plow
Plow

← first version

after several fixes →
WLAN

- 1* Cisco WLC 5508
- 18* 1142 APs
- 7* 1252 APs
- 28* 3502 AP
WLAN APs

- should be protected
- against rain
- against uv
- 2-3 metre high
- horizontally mounted
Datacenter

- we expected a datacenter
- raised floor
- airconditioning
- miscommunication
- we got a shipping container
- 2 home split ac
- 2 open lab racks from rittal
Weathermap
Problems

- Pinky & Brain Servers (DNS/DHCP)
- Hard disk failures
- Cat5 ground loop problems in Hackcenter, Angel Area
  Fixed by disconnecting the shield at one end.

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Future