

# NOC Report

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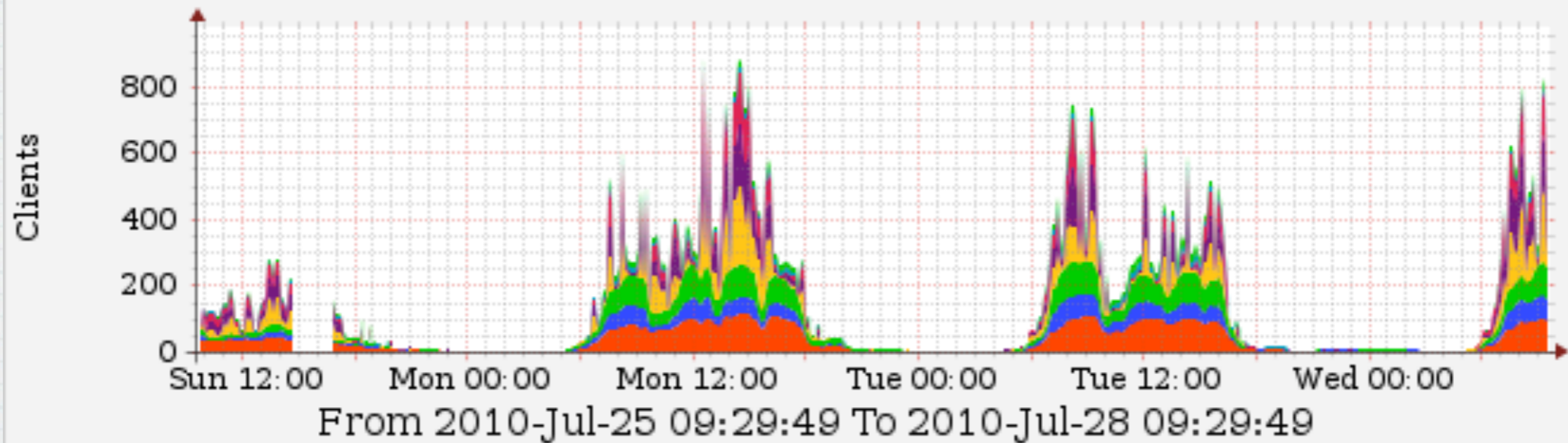
IETF 78 Maastricht  
July 2010

# It seemed like a good idea at the time...

- \* Network in Anaheim was expensive and sub-optimal
- \* So this one is all volunteer
- \* Lots of extra help from RIPE and the team from Tsinghua University in Beijing

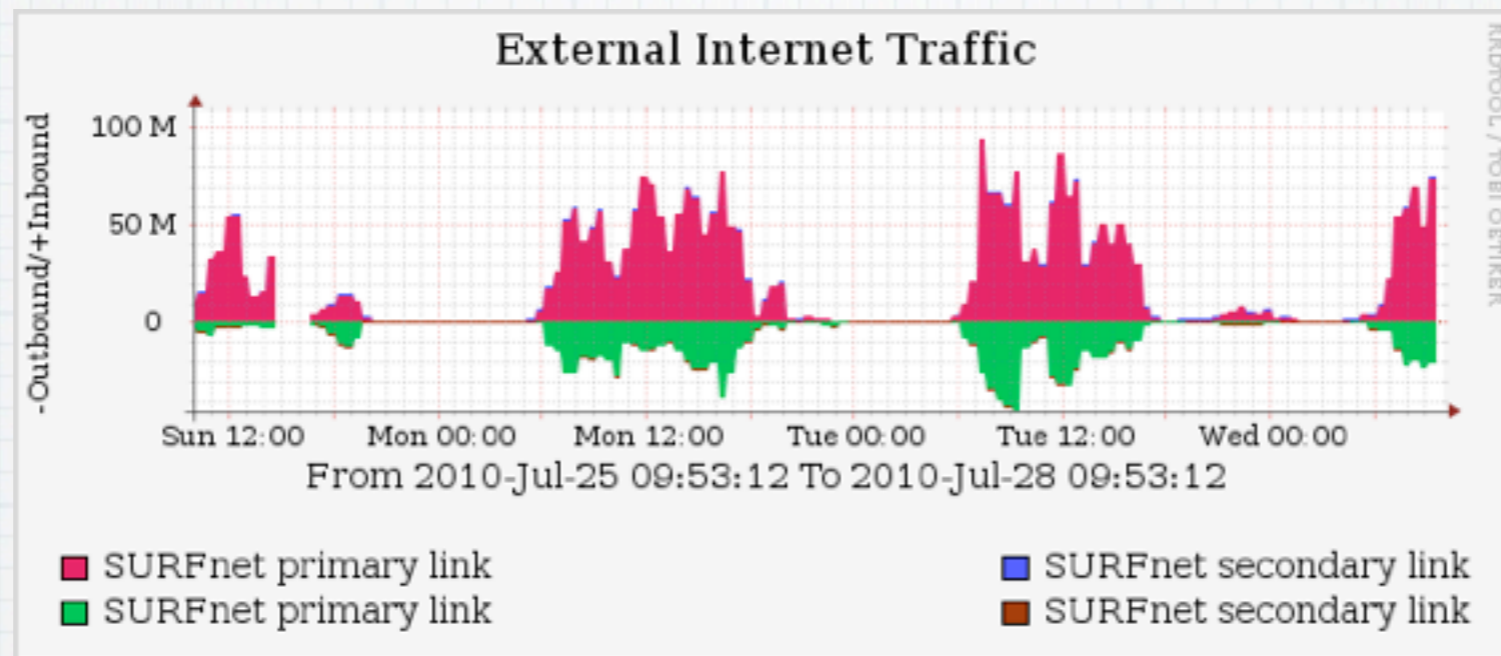
# Wireless

## Aggregate 802.11 Associations



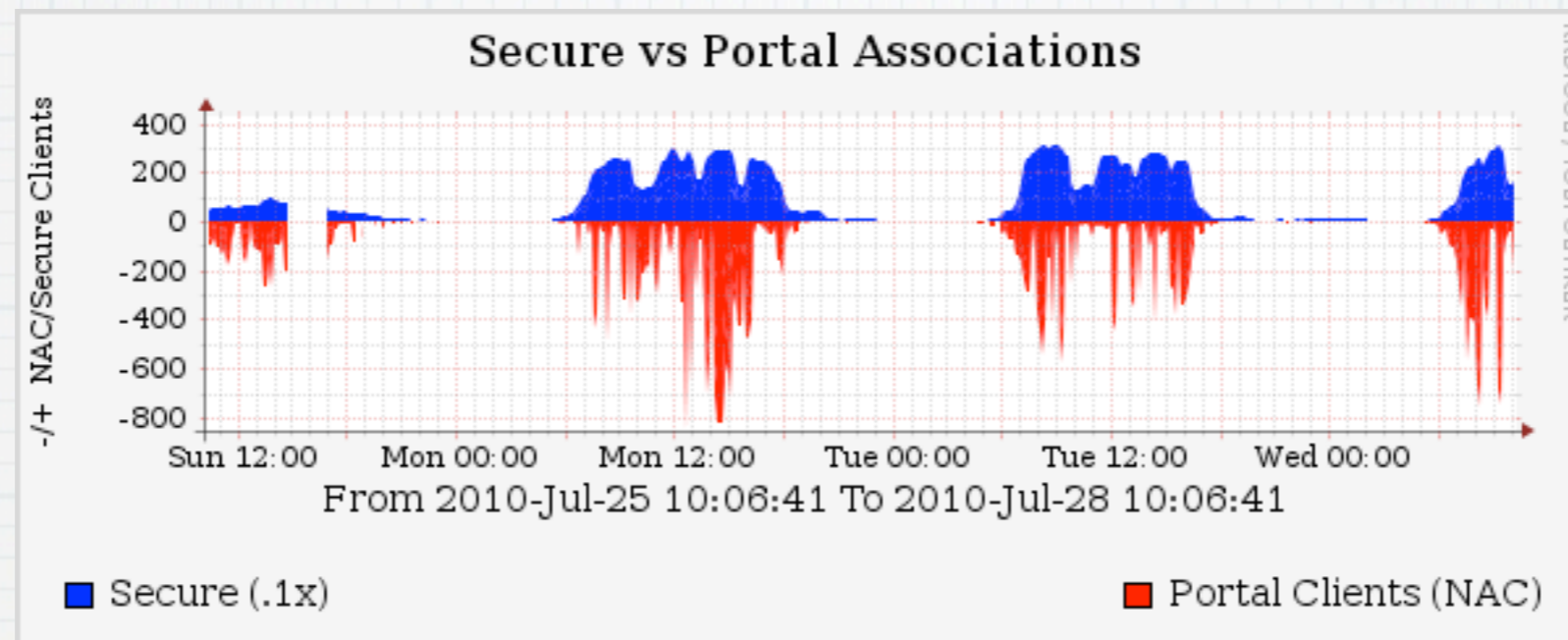
- \* 62 Cisco a/b/g/n APs
- \* (originally) Just the MECC
- \* Peaks above 800 simultaneous associations
- \* Well over 50% using 802.11a/n

# Internet Connectivity



- \* 2 x 1G from SURFnet, to two separate POPs
- \* Native IPv6
- \* Routers from Juniper
- \* Peaks around 100M

# Admission Control



- \* Being trialed in preparation for Beijing

- \* 802.1X/WPA Enterprise

- \* Web Based Portal

- \* Roughly 2 to 1 ratio between Portal and 802.1X

- \* Thanks to all of you!

# The Hotel

- \* Pre-IETF: The hotel contacts their vendor and is told "we can handle it"
- \* Sunday Night: The net melts
- \* Monday/Tuesday: complaints
- \* Tuesday Noon: NOC installs AP facing the NH
- \* Tuesday afternoon: Hotel asks for help
- \* 8pm: IETF Net to hotel
- \* 10pm: determine new hardware is needed
- \* 2am: Hardware arrives, configuration begins
- \* 6am: Net is back up, using our link and with no portal

# Many Thanks!

- \* Bill Jensen
- \* Chris Elliott
- \* Geert Jan de Groot
- \* Hewu Li
- \* Jim Martin
- \* John Kemp
- \* Joel Jaeggli
- \* Karen O'Donoghue
- \* Lucy Lynch
- \* Menno Schepers
- \* Michal Krsek
- \* Randy Bush
- \* Rob Nagy
- \* Sjoerd Oostdijck
- \* Wei Jiang
- \* Wu Liu
- \* Xiaoliang Zhao
- \* Zhiyan Zheng