

DE-CIX Internet Exchange

Update, October 2007

24 October 2007

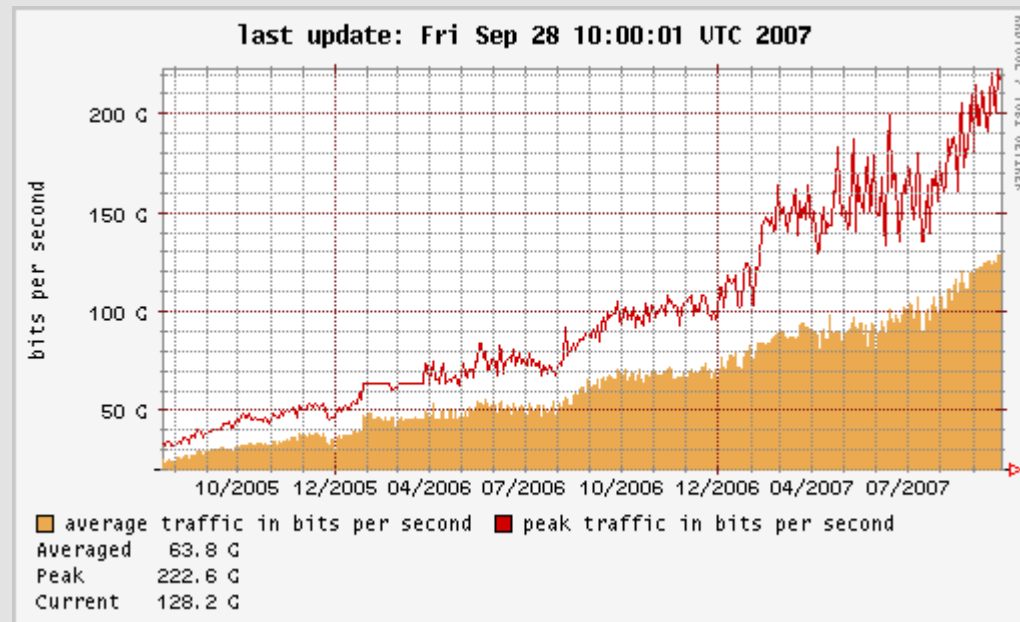


About DE-CIX

- International IX with customers from 25+ countries
- Founded 12 years ago
- Owned by a not-for-profit Internet Industry association
- Today 2nd largest Internet Exchange in the World
- Frankfurt based company plus office in Cologne
- Each staff member has at 10+ yrs Internet experience
- Products for small-medium and large ISPs

| | <u>09/2006</u> | <u>09/2007</u> | <u>12/2007</u> (Plan) |
|-------------------|-----------------------|-----------------------|---------------------------------|
| – # Customers | 180 | 216 | 230 |
| – # Colos served | 5 | 9 | 10 |
| – # switches | 3 C6509 | 4 E1200 | 5 E1200 |
| – # Ports (total) | 260 | 333 | 345 |
| – # 10GE ports | ~ 25 | 115 | 140 |
| – Peak Traffic | 90Gbps | 200+Gbps | 250Gbps |

Traffic



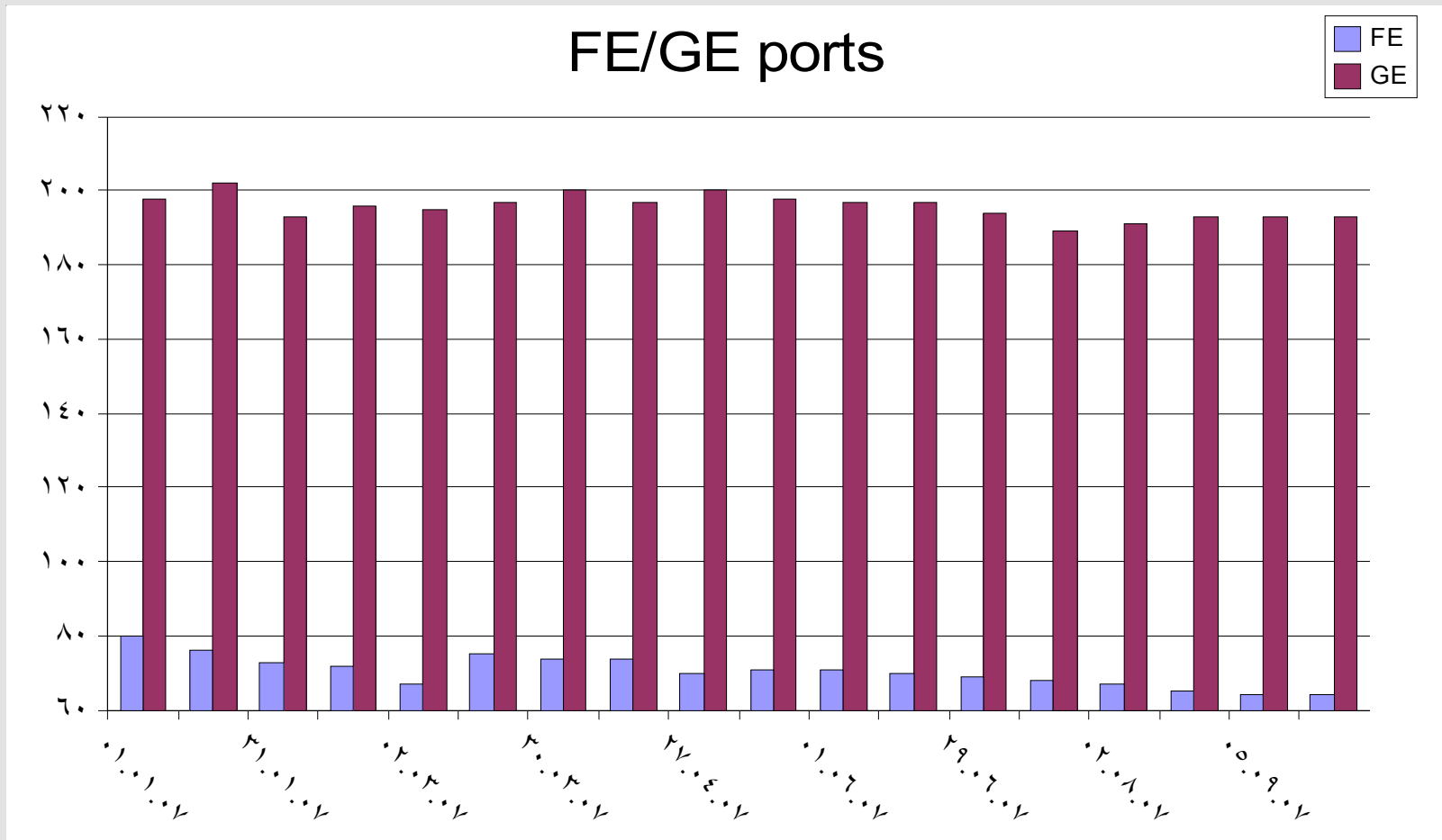
Locations

| DE-CIX enabled sites in Frankfurt/Germany: | Public Peering | Private VLAN | Private IC | Router Colo |
|--|-------------------|-----------------|---------------|----------------|
| ancotel, Kleyerstr. 90 (MMR T2) | X | X | | |
| Avaya/Tenovis, Kleyerstr. 79 (Building K) | X | X | | |
| Global Crossing, Kleyerstr. 90 (Building A) | X | X | | |
| Interxion, FRA1, Hanauer Landstr. 302 | X | X | X | X |
| Interxion, FRA2, Hanauer Landstr. 304A | X | X | X | |
| Interxion, FRA3, Weissmüller Str. 21 | X | X | X | |
| Interxion, FRA4, Weissmüller Str. 19 | X | X | X | X |
| I.T.E.N.O.S., Rebstockerstr. 25-31 (MMR B2.06) | X | X | | |
| Telecity Redbus, Gutleutstr. 310 | X | X | X | X |

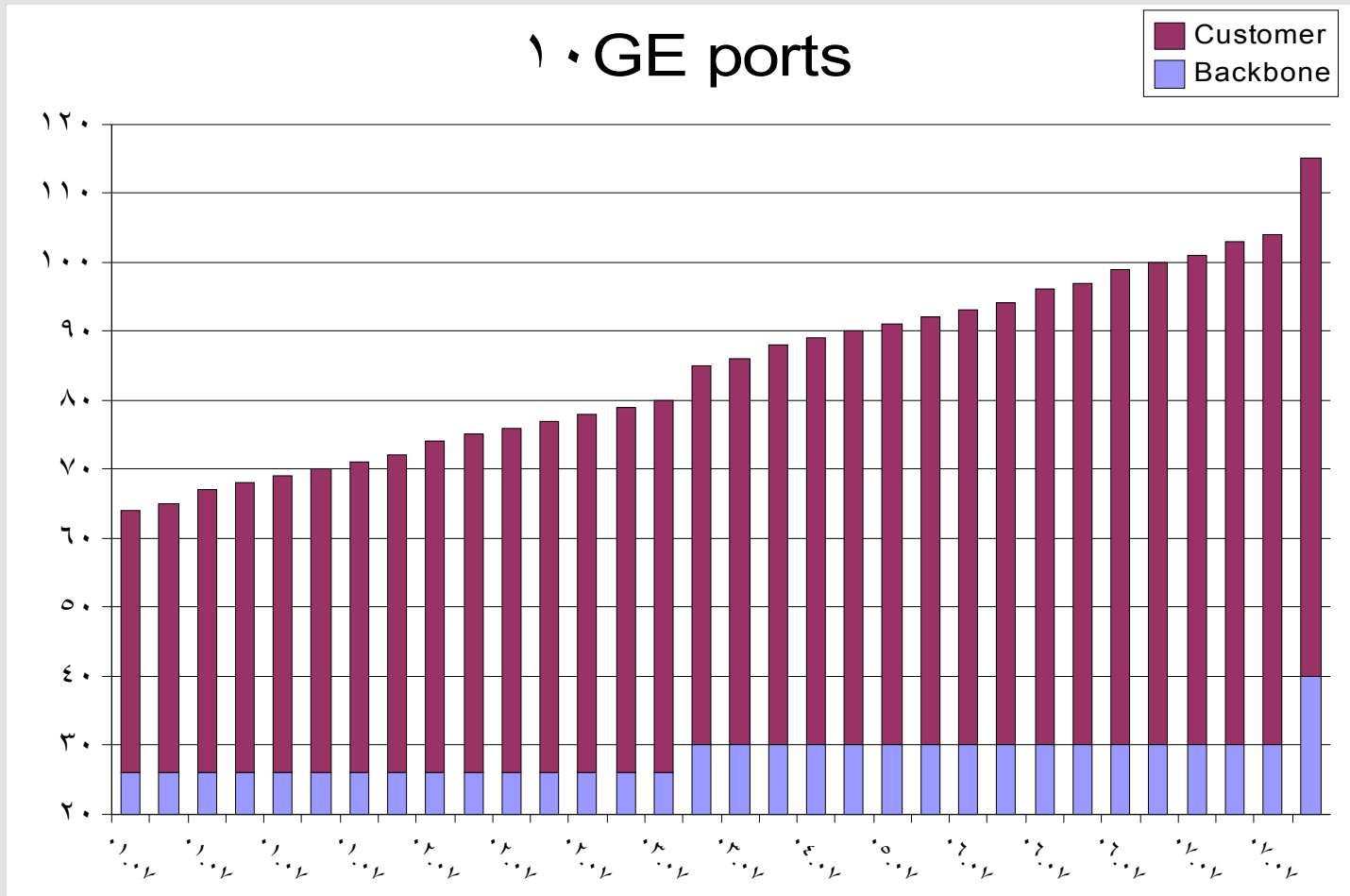
Locations



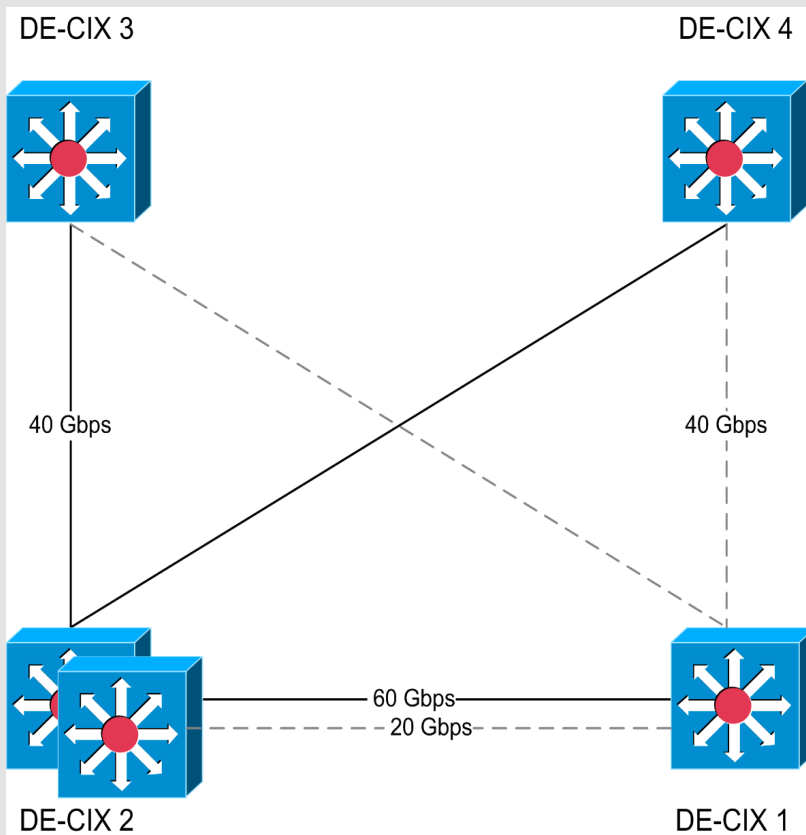
DE-CIX Ports



DE-CIX Ports ctd.

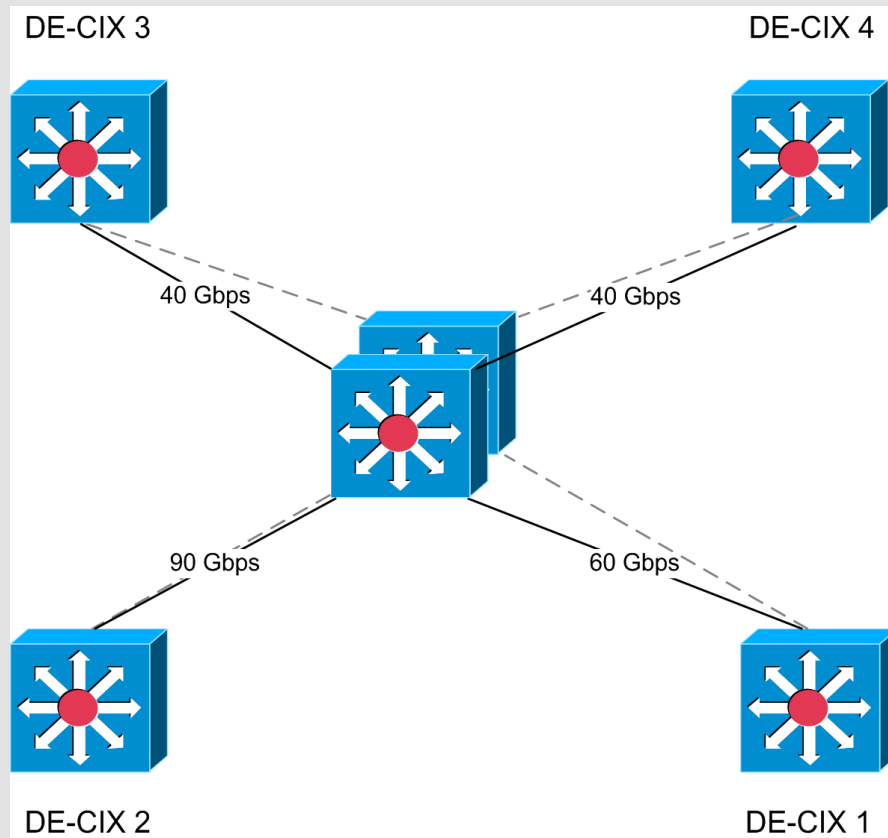


Topology today



- All connections are n x dark fiber
- fiber protection devices are used to build backbone redundancy
- Robust design, has its limitations

Future Topology



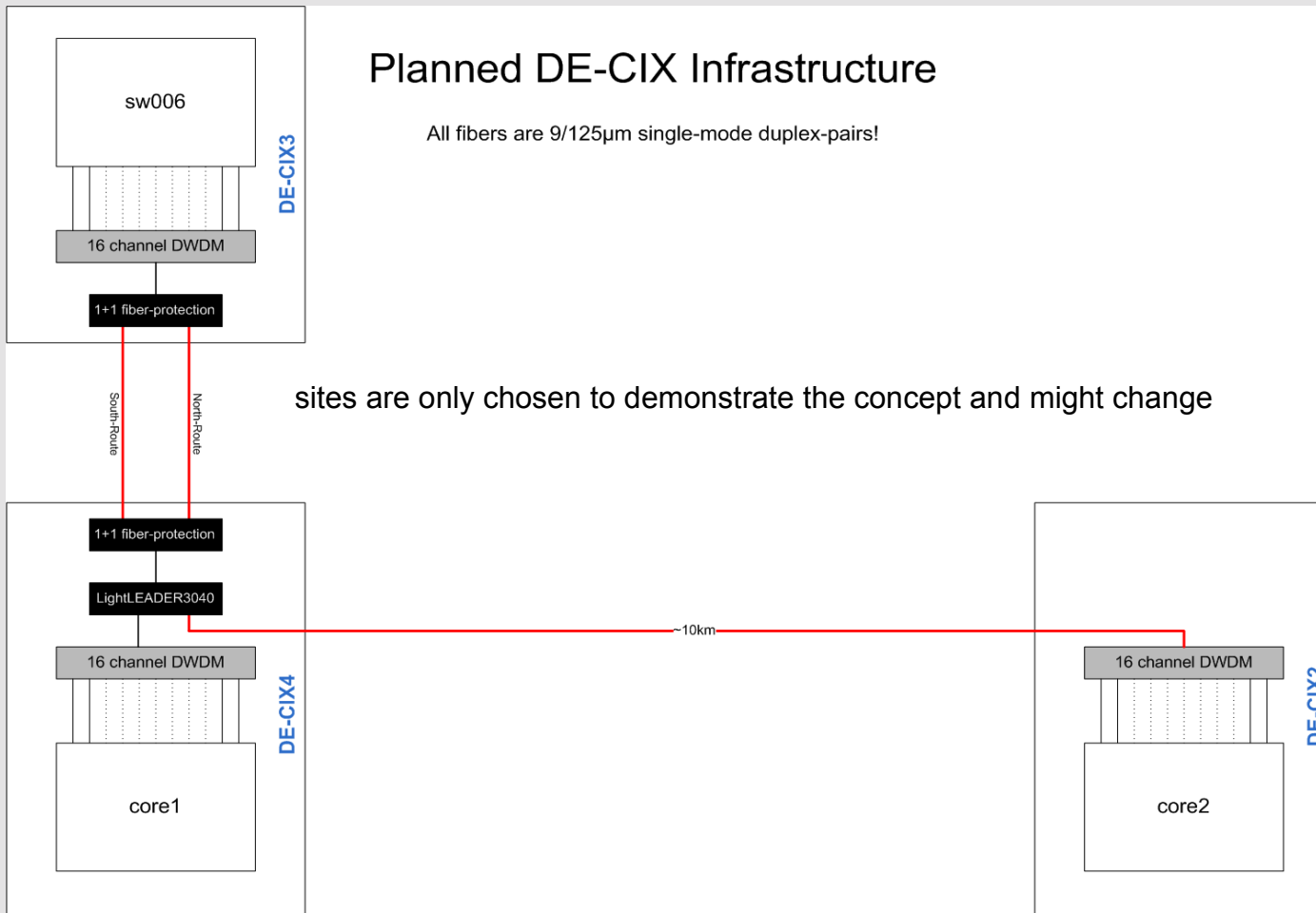
- „Double star“ topology
- Core and access switches use DWDM to interconnect and fiber protection devices to fail over
- Changes will be done in several steps to achieve smooth migration

Future Topology

Planned DE-CIX Infrastructure

All fibers are 9/125µm single-mode duplex-pairs!

sites are only chosen to demonstrate the concept and might change



Recent News

- Takeover of Hamburg based WORK-IX (30 customers)
- Expanded Frankfurt office (free conference facilities for customers; Force10 Germany Office)

Whats next ?

- Hire additional support & business development staff
- More switches, new topology
- ~~Promotional offer Oct-Dec, save 3000 EUR~~

Recent/Upcoming Events hosted by DE-CIX

- 16 October: Global Peering Forum 2.5, Albuquerque, New Mexico, www.peeringforum.com
- 17 October: CNX1 „Networking for Carriers“ & Peering Workshop, Frankfurt, www.cnx-frankfurt.com
- 17 October: DE-CIX & Force10 Housewarming Party Frankfurt
- 28-29 November: Euro Peering Forum 2, Barcelona, <http://www.peering-forum.eu>

Thanks !

~~Join DE-CIX now.~~

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