

CDN Panel - Introduction

NANOG55

This Panel is NOT about

- Net Neutrality
- Regulation
- Traffic Terminations Fees
- Who should pay who?

It is about

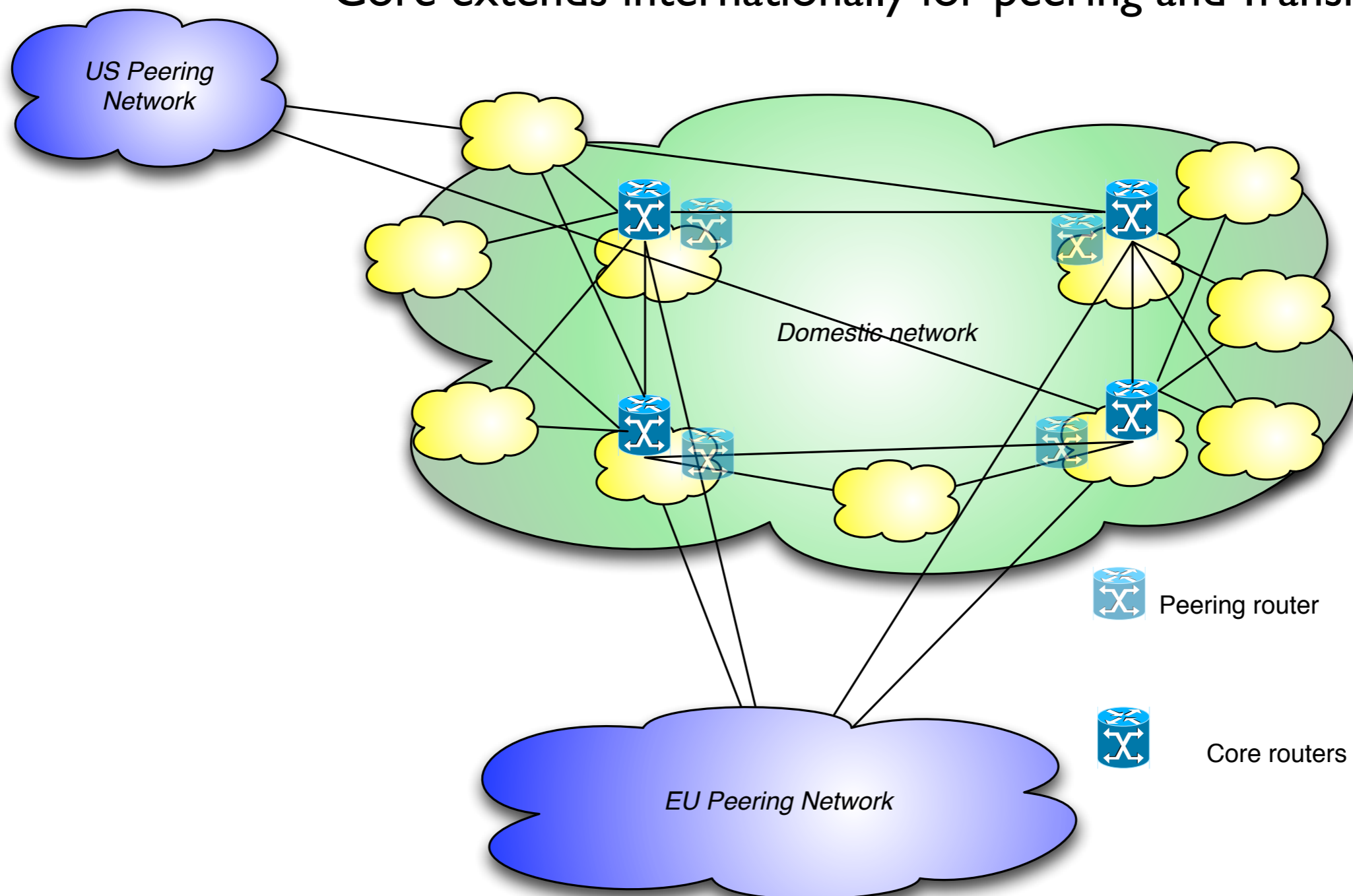
- How can we most cost effectively with **respect to network costs** deliver the content that the endusers request, to the endusers in the quality they expect and want to pay me for?

Me

- Networkplanner at TDC since 2003.
- Since 2006 also Peering Coordinator
 - and a number of other things....

The Network

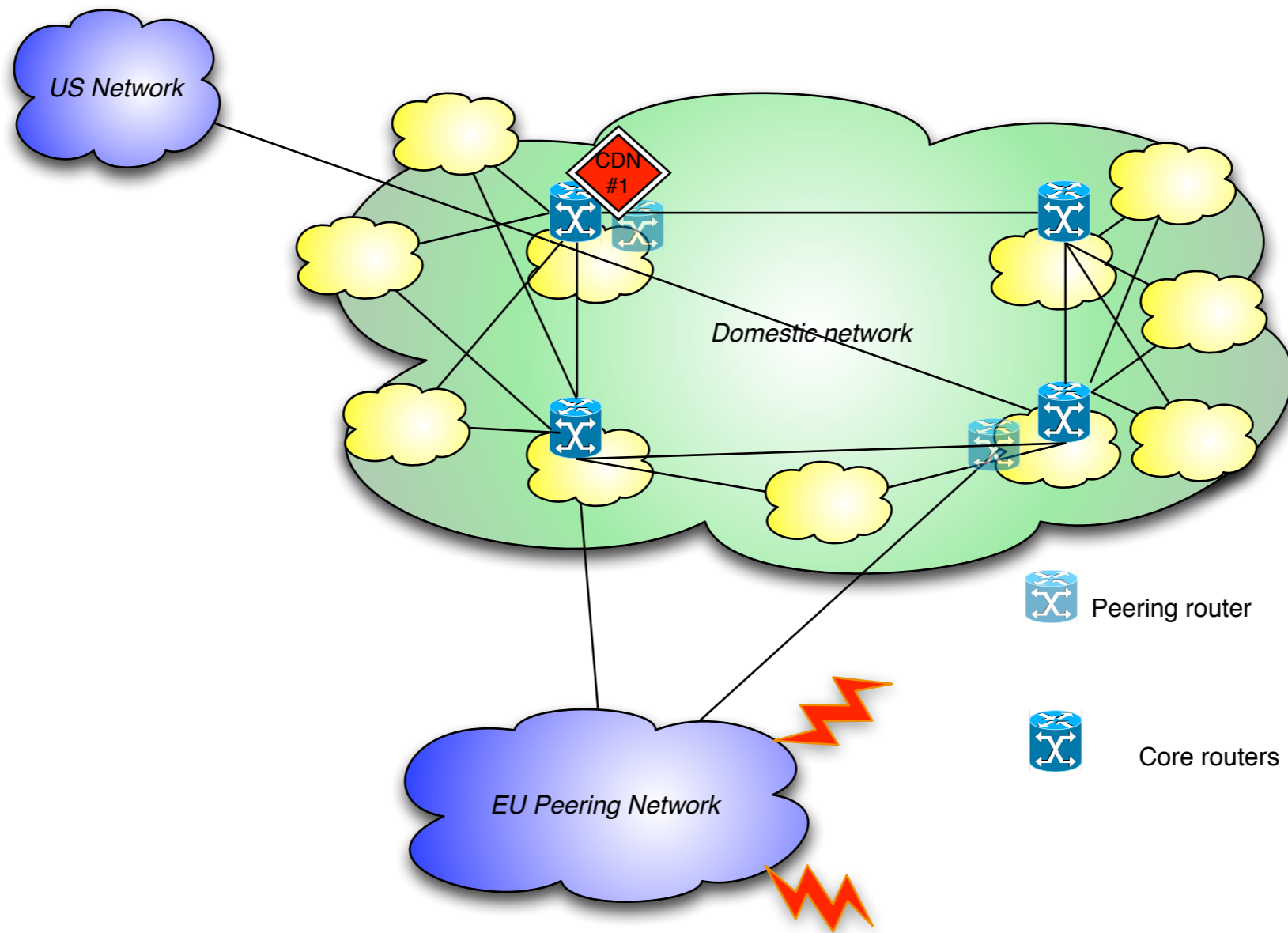
- Multiple regions connected to a core.
- Core extends internationally for peering and Transit



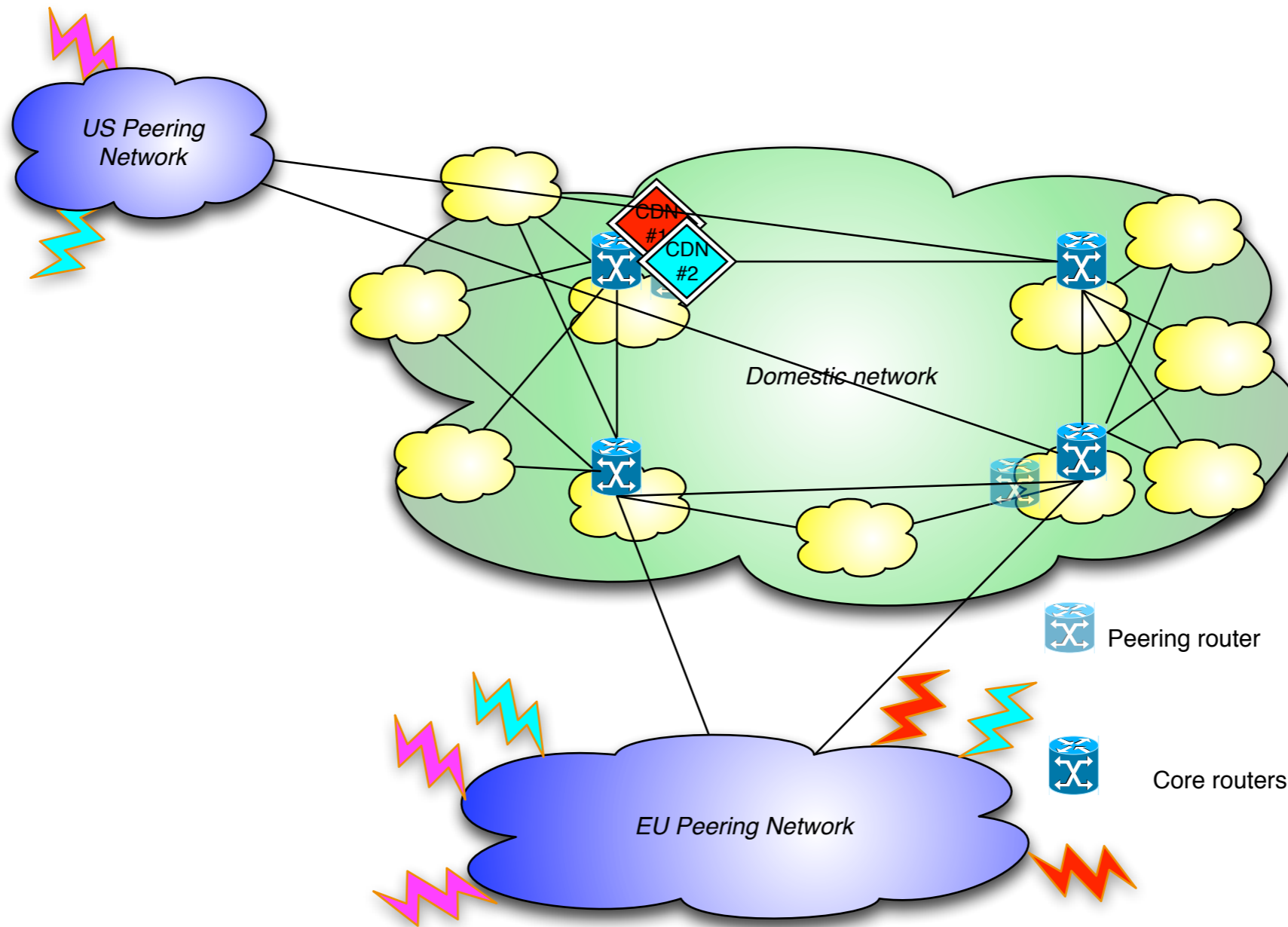
Customers

- Residential Internet
- Residential Tripple Play
- Business Internet
- Business MPLS VPN
- Wholesale Internet
- Wholesale acces.

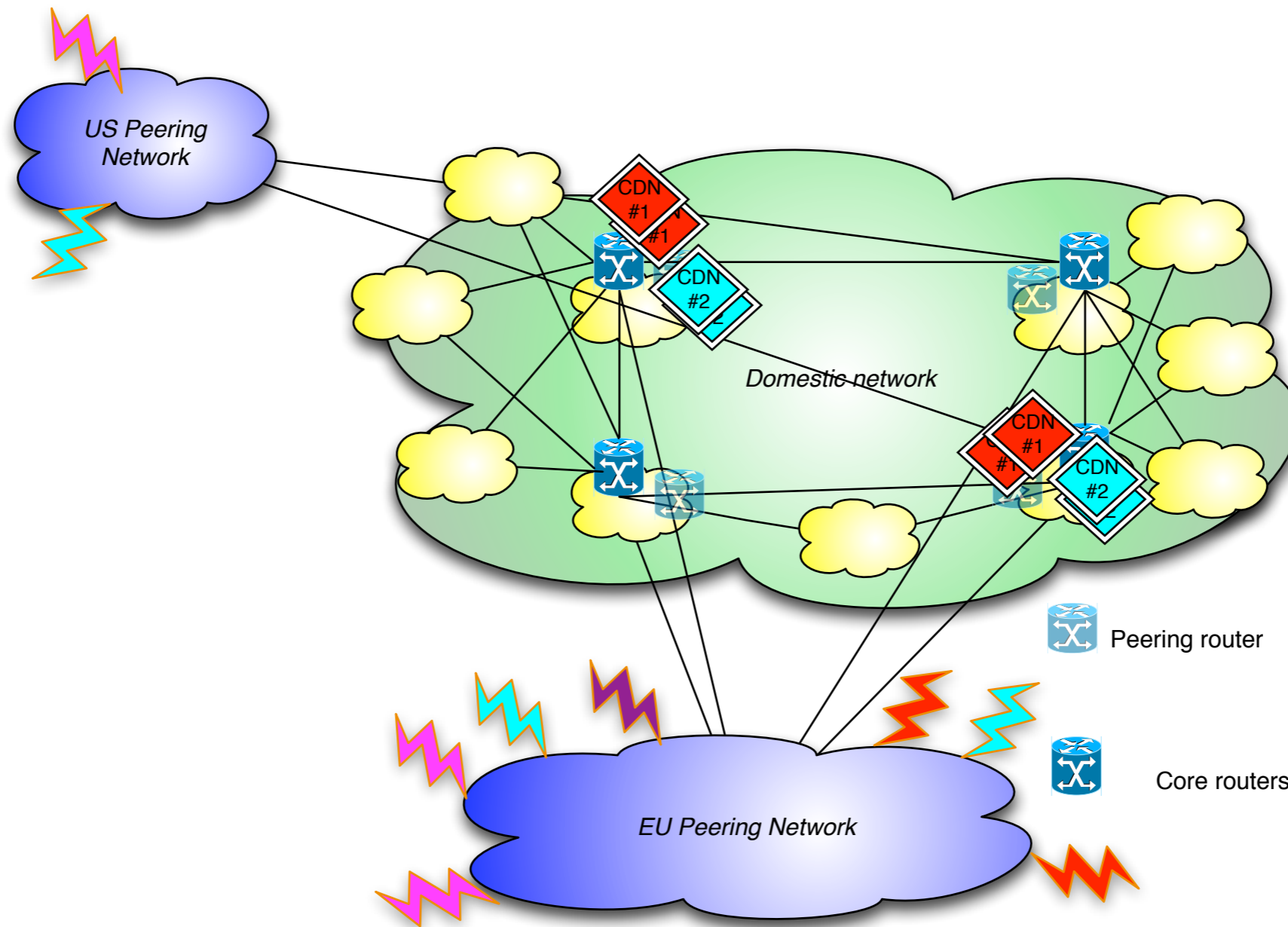
The History of CDNs and our Network



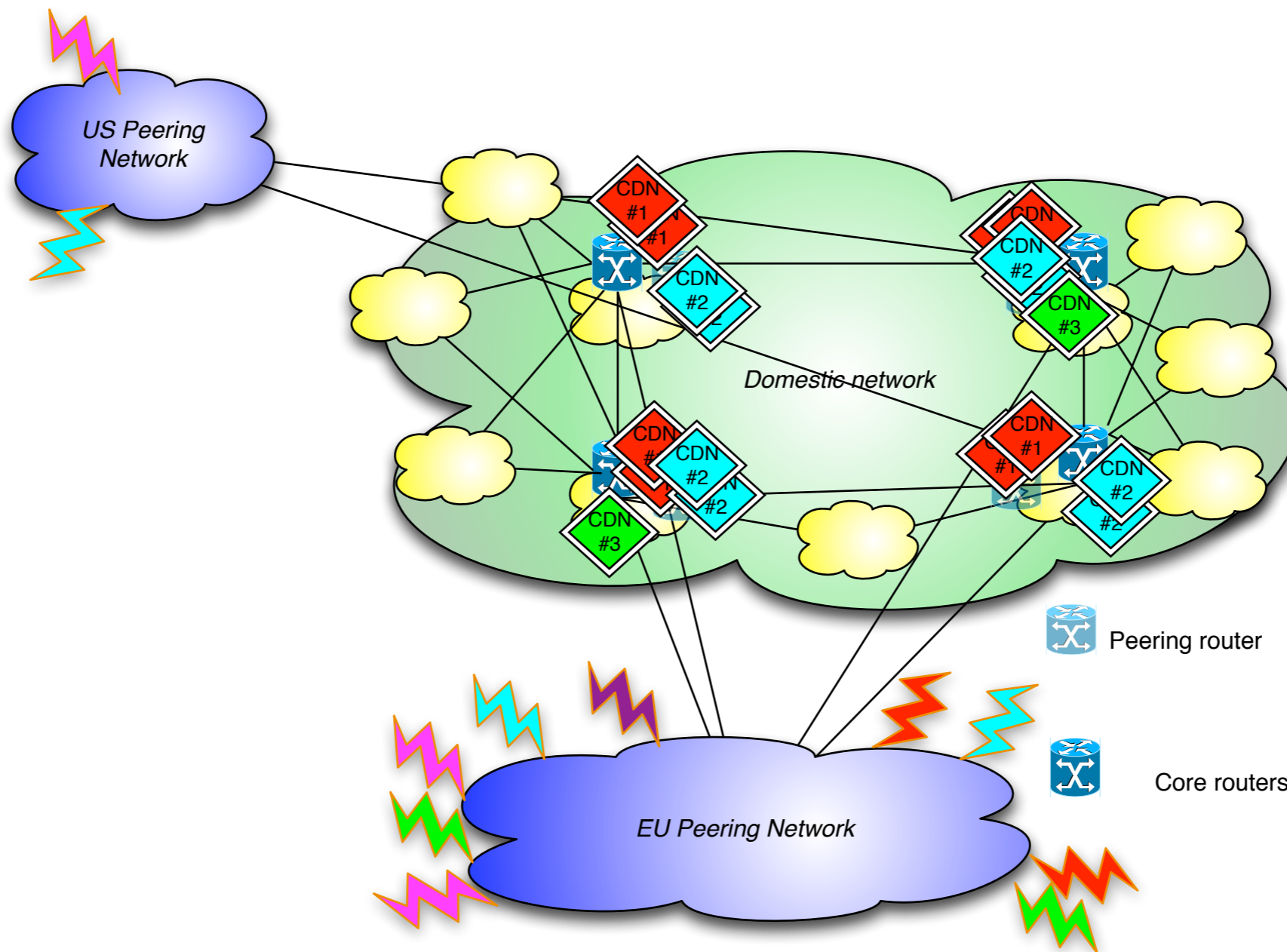
Back in the day



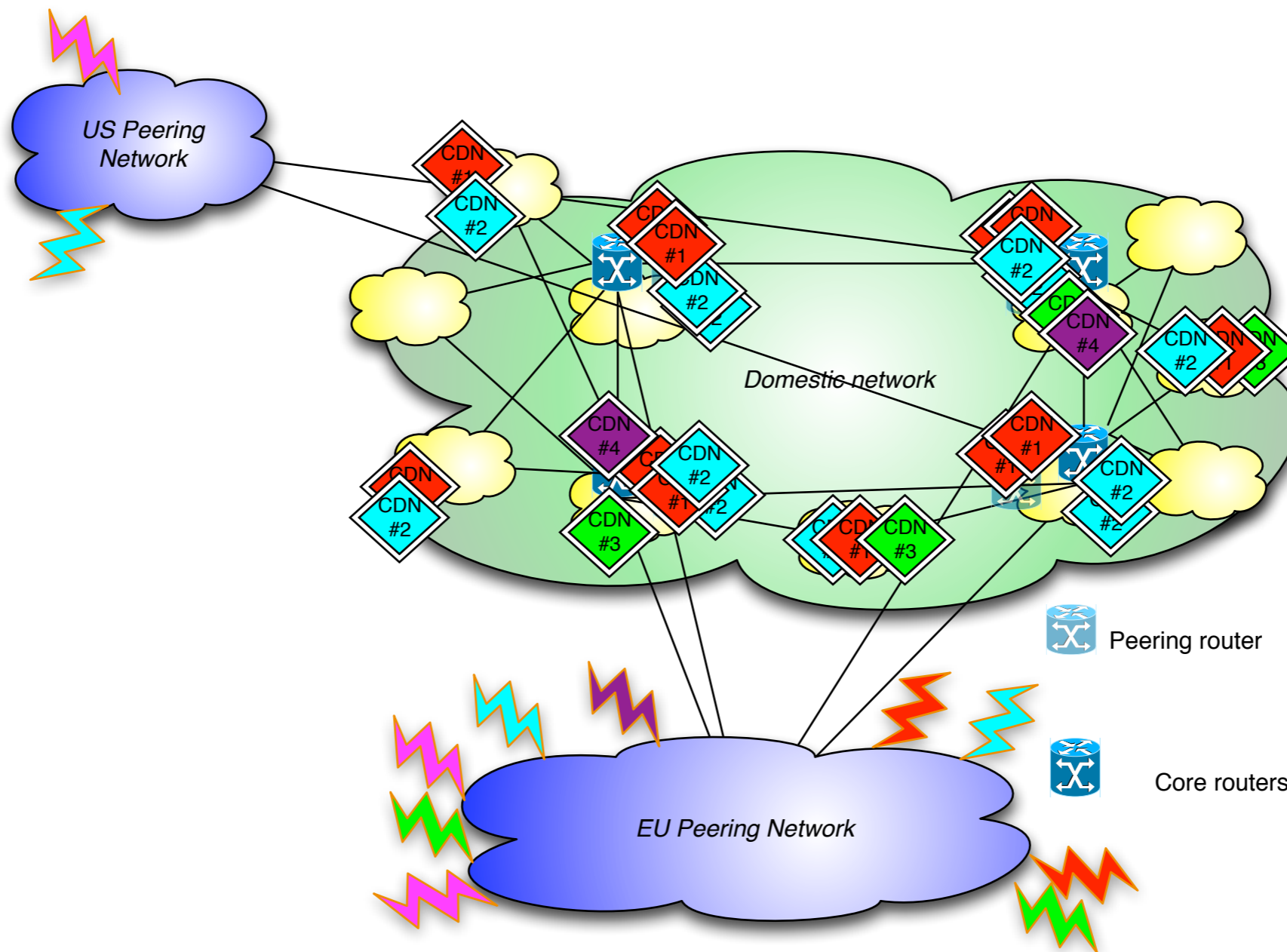
A couple of years ago



Last Year



This Year



Next Year?

Benefits now and in the future of this model

- the bits are being served close to the enduser saving bandwidth and increasing performance

Drawbacks now and in the future

- different power demands
- different connectivity demands
- different space demands
- different procedures for fault handling and debugging
- different hardware handling procedures
- different identification standards of the servers

**At the same time we need to work smarter
in all levels of network build and operation**

At the same time we need to work smarter
in all levels of network build and operation
and what about our own content?

What can be done
differently?