



THE LIPPIS REPORT

The Resource for Network/IT Business Decision Makers

SDN for Enterprise Networks

at the

ONS



OPEN NETWORKING SUMMIT 2012

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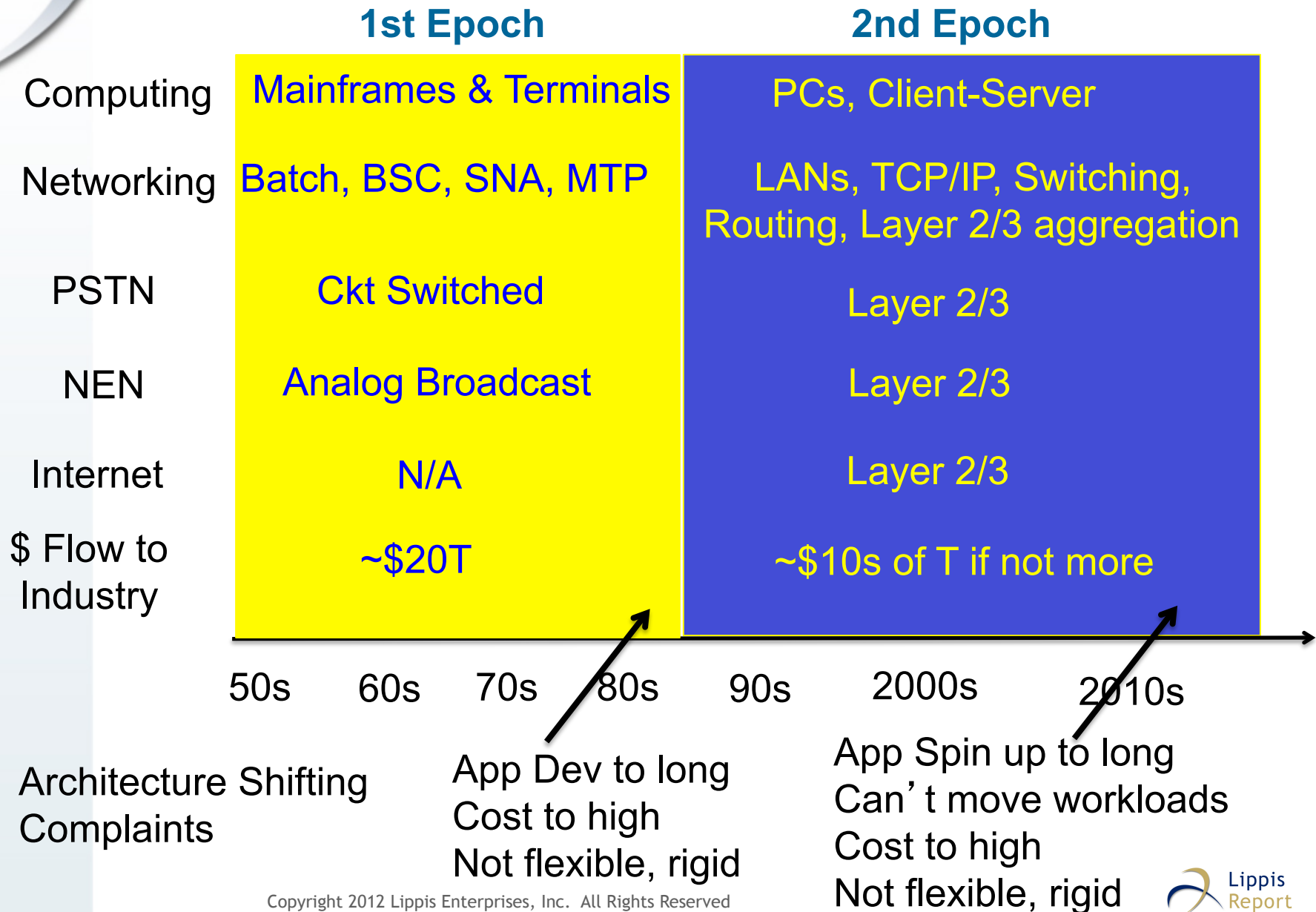
ep·och /'epək/

Noun:

1: A period of time in history, typically one marked by notable events or particular characteristics.

2: The beginning of a distinctive period in the history of someone or something.

Computer Networking's First Two Epochs



The 3rd Epoch: Software Defined Networking

Computing Mobile, Cloud & Virtualized

Networking

PSTN

NEN

Internet

\$ Flow to
Industry

Software Defined Networking

Trillions of Dollars

2010s 2020s 2030s 2040s

- Virtualized networks
- Network Services in the virtualized domain
- Programmable Networks
- Software Ecosystem driving innovation
- Configuration Automation
- Much lower OpEx
- Workload Mobility, geographically independent



But ...

- Established Vendors are dialed into these requirements
- May offer programmable Layer 2/3 networks
- Address 80% of requirements
- Architecture shifts take time to materialize
- Slowing Down SDN



So ...

Is SDN the 3rd Epoch

Or

A set of features added to Layer
2/3 networks

Session Speakers

- **1) SDN Deployment in a University Enterprise & Lessons Learned**
 - [Matt Davy, Indiana](#)
- **2) Challenges in Enterprise Networking & How SDN Can Help**
 - [Eric Murray, Kindred Healthcare](#)
- **3) Enterprise Data Center & Networks**
 - [Michael Beesley, Juniper Networks](#)
 - Jim Harding President, CODONiS and CTO, Sabey Data Centers
- **4) OpenFlow in the Enterprise Data Center - Products, Lessons and Requirements**
 - [Renato Recio, IBM](#)