



# The Future of Ethernet

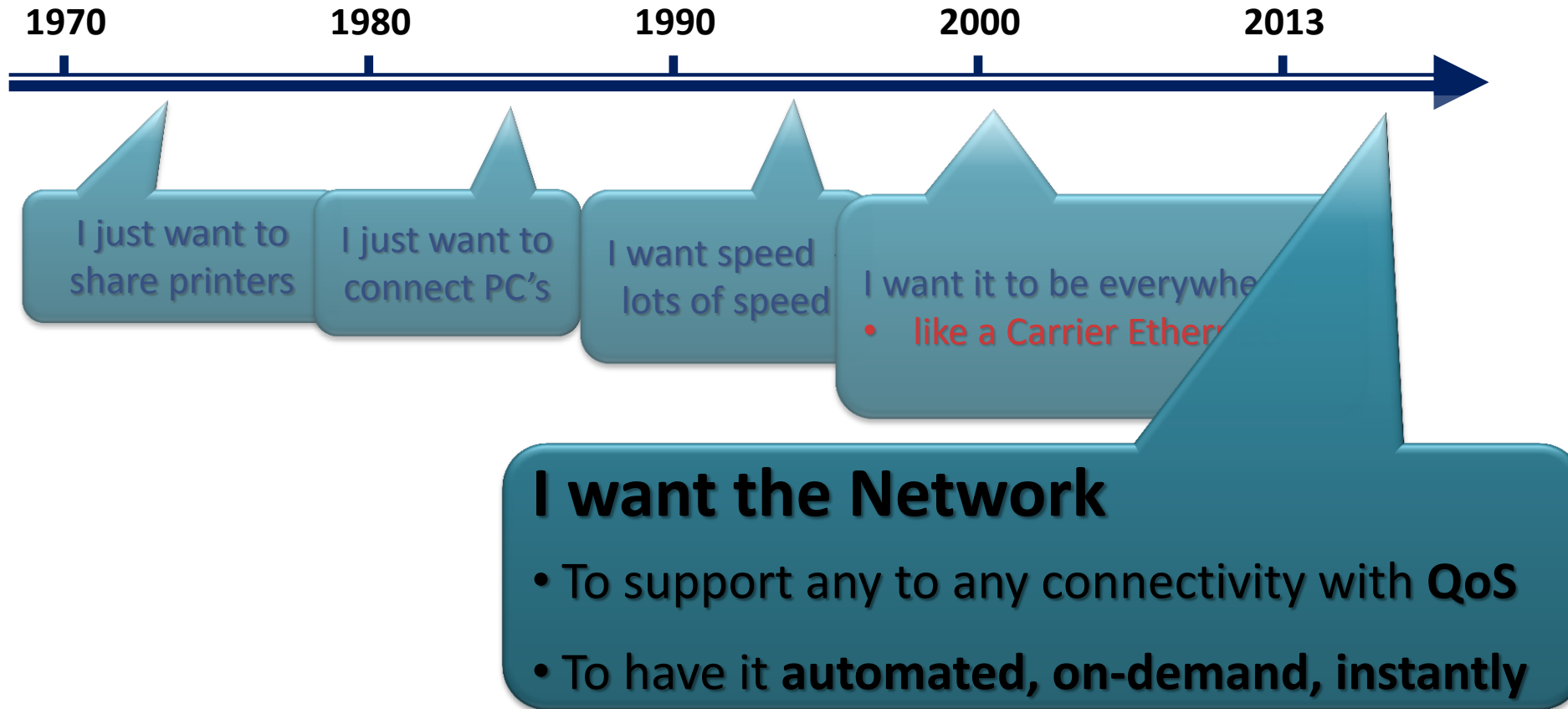
NetEvents APAC Cloud Summit

Nan Chen

President, MEF

# Ethernet

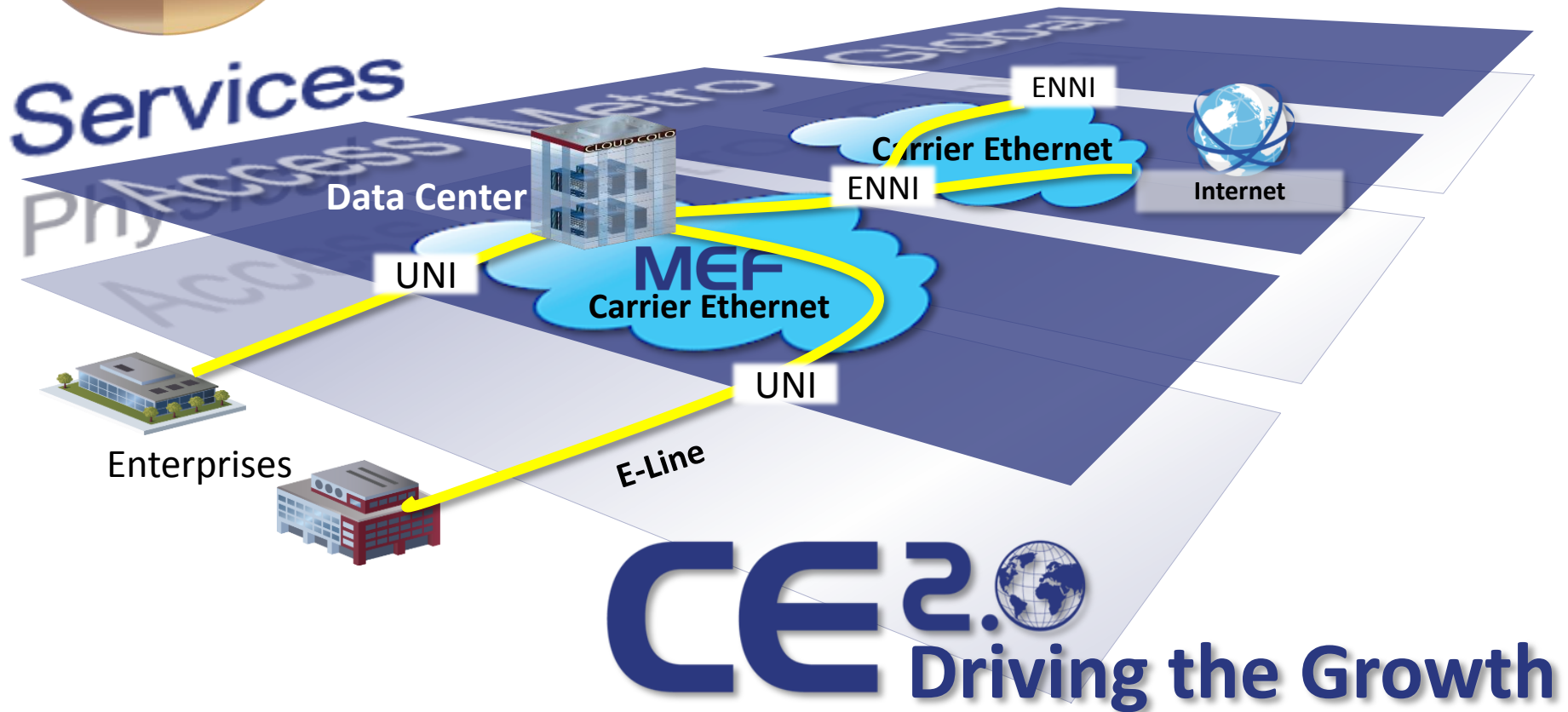
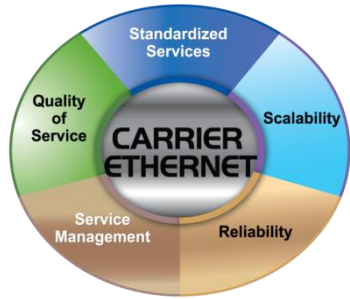
## The Ambitions of a Network Technology



**Simplicity** is the future of Ethernet...

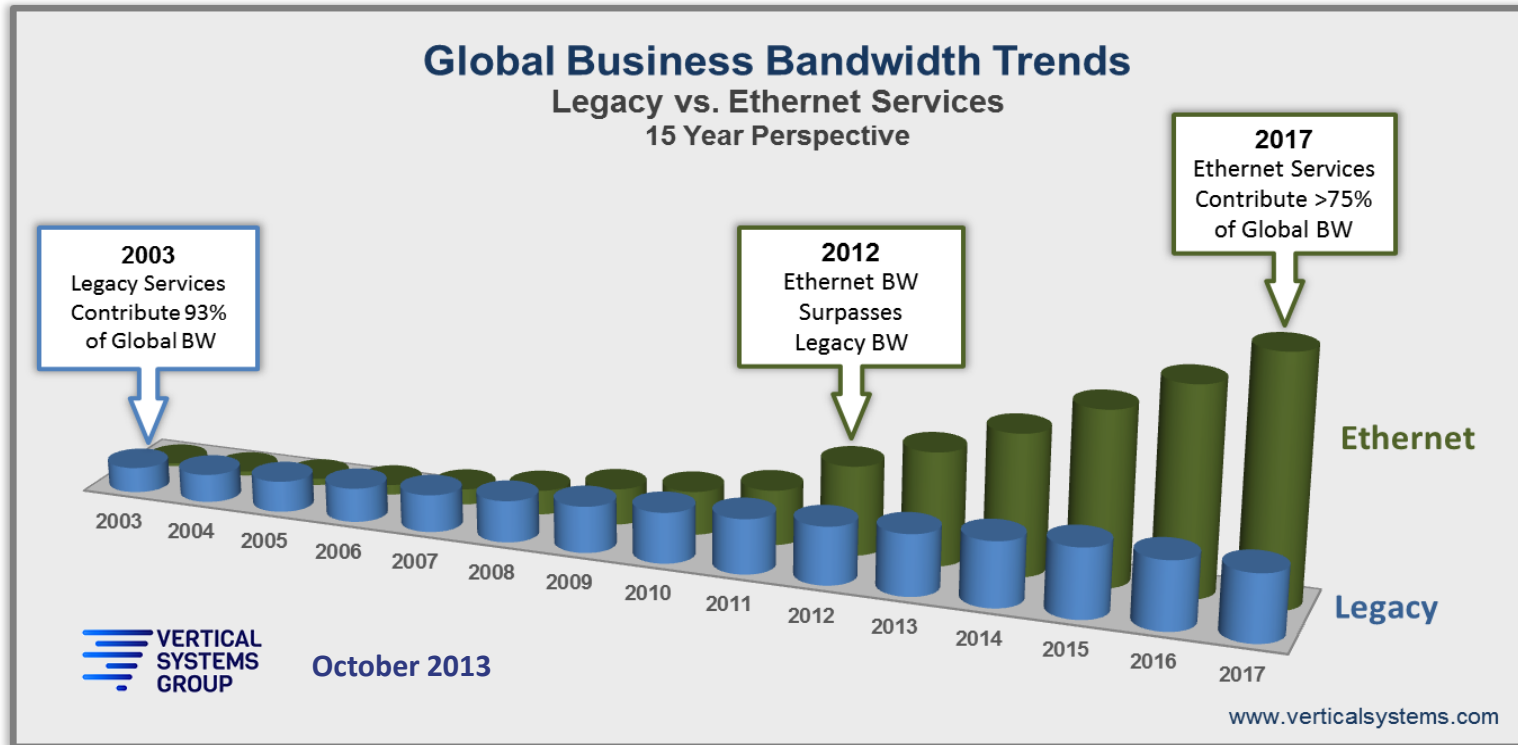
# Carrier Ethernet Today ...

**MEF: Created the Carrier Ethernet  
Services Industry – \$32B**



# Carrier Ethernet Service Growth

Total worldwide bandwidth purchased for Ethernet Services exceeds legacy - on track to be 75% in 4 years.



***“Ethernet is transforming the wide area networking landscape.”***

- Vertical Systems October 2013

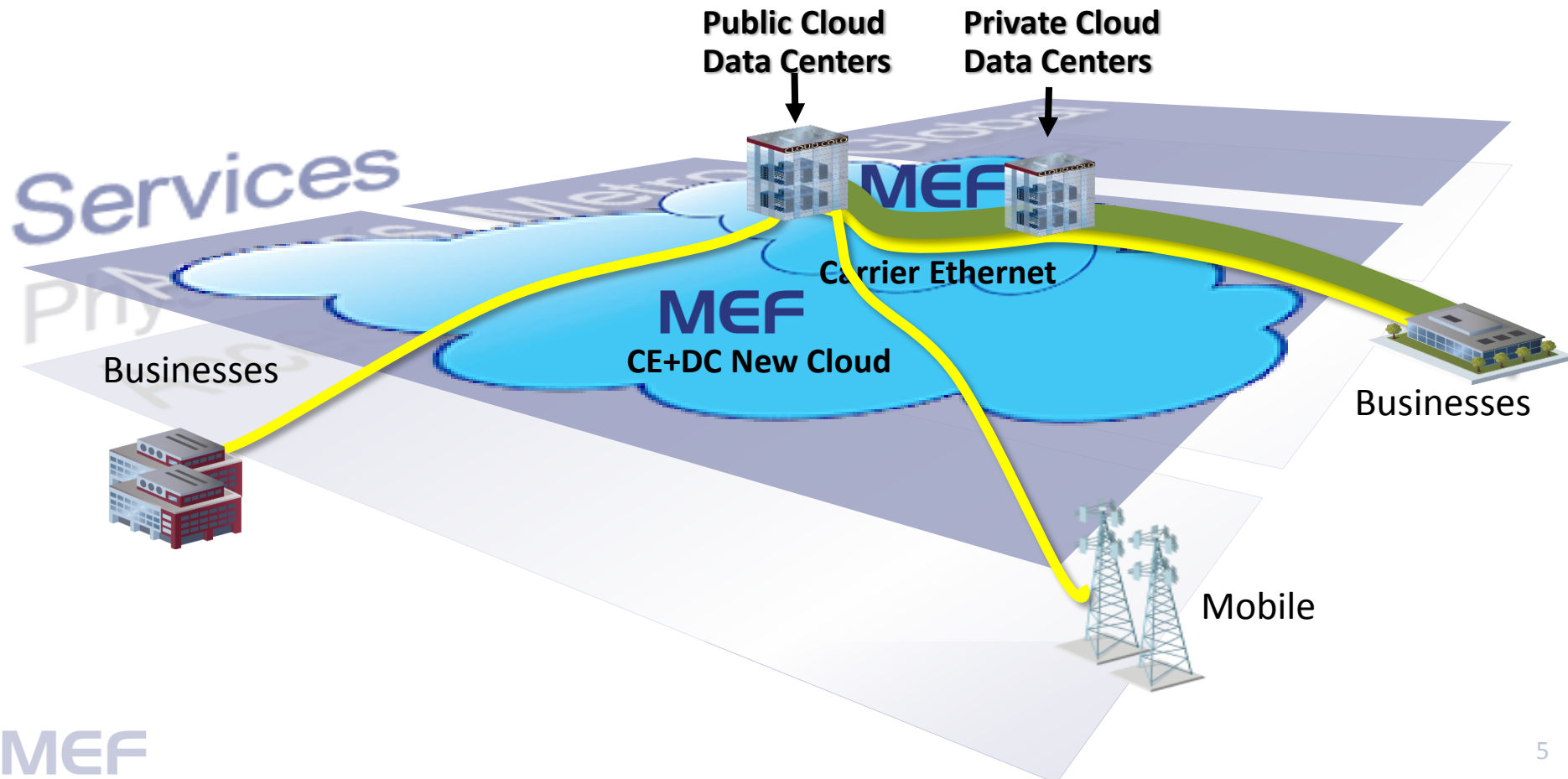
***“Service revenues on track to double from \$32bn to \$62bn in next 5 years”***

- Ovum, April 2013

# CE + DC : Creating New Cloud CE Services Tomorrow

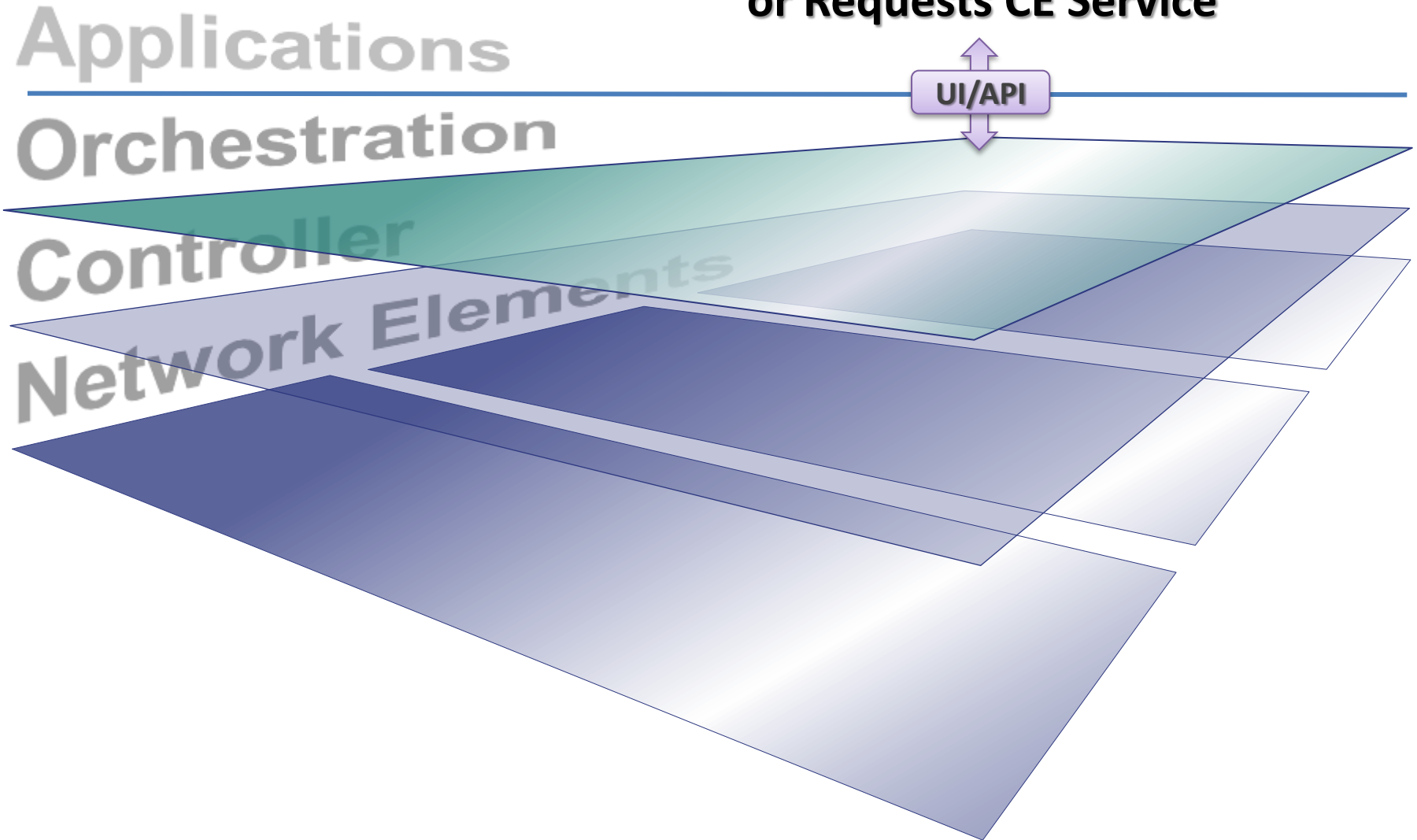
## MEF: Delivering Business-Class Cloud services

- 2 CE Principal Apps: DC Interconnect, Cloud Access
- Cloud revenue \$160b rev by 2020 – IDC, Forrester, etc.

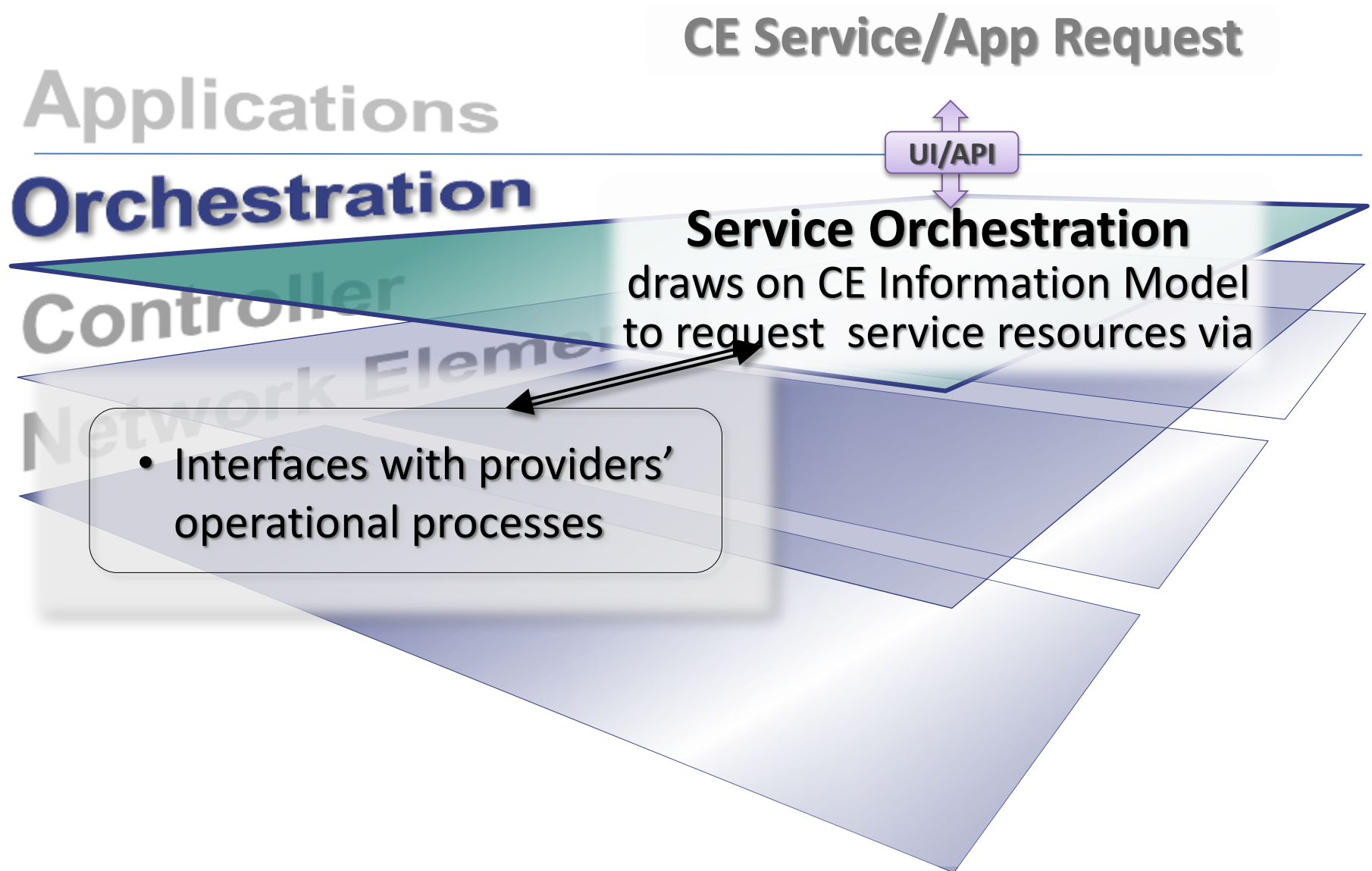


# Automating CE Service Delivery

User or system Selects Cloud App  
or Requests CE Service

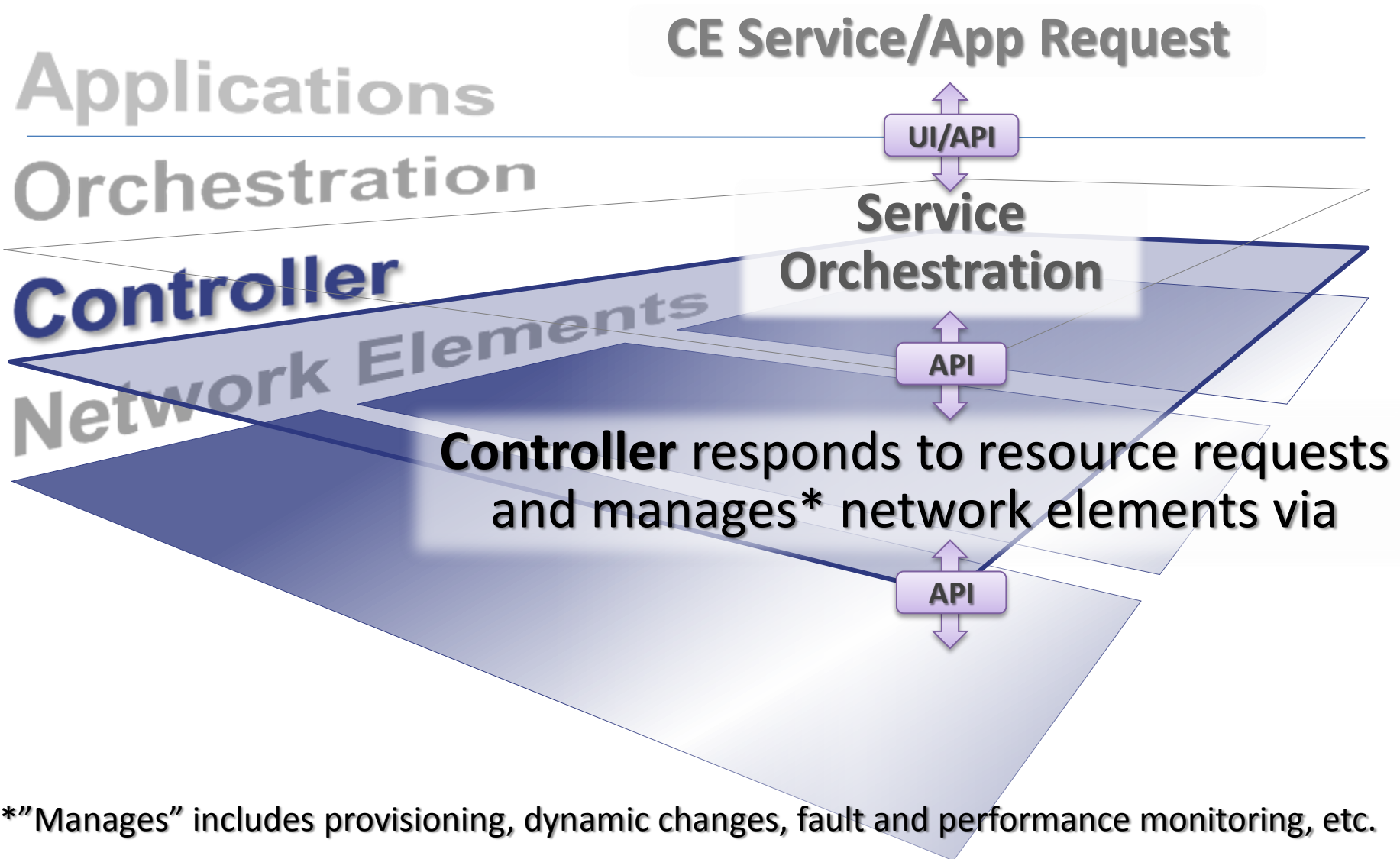


# Automating CE Service Delivery



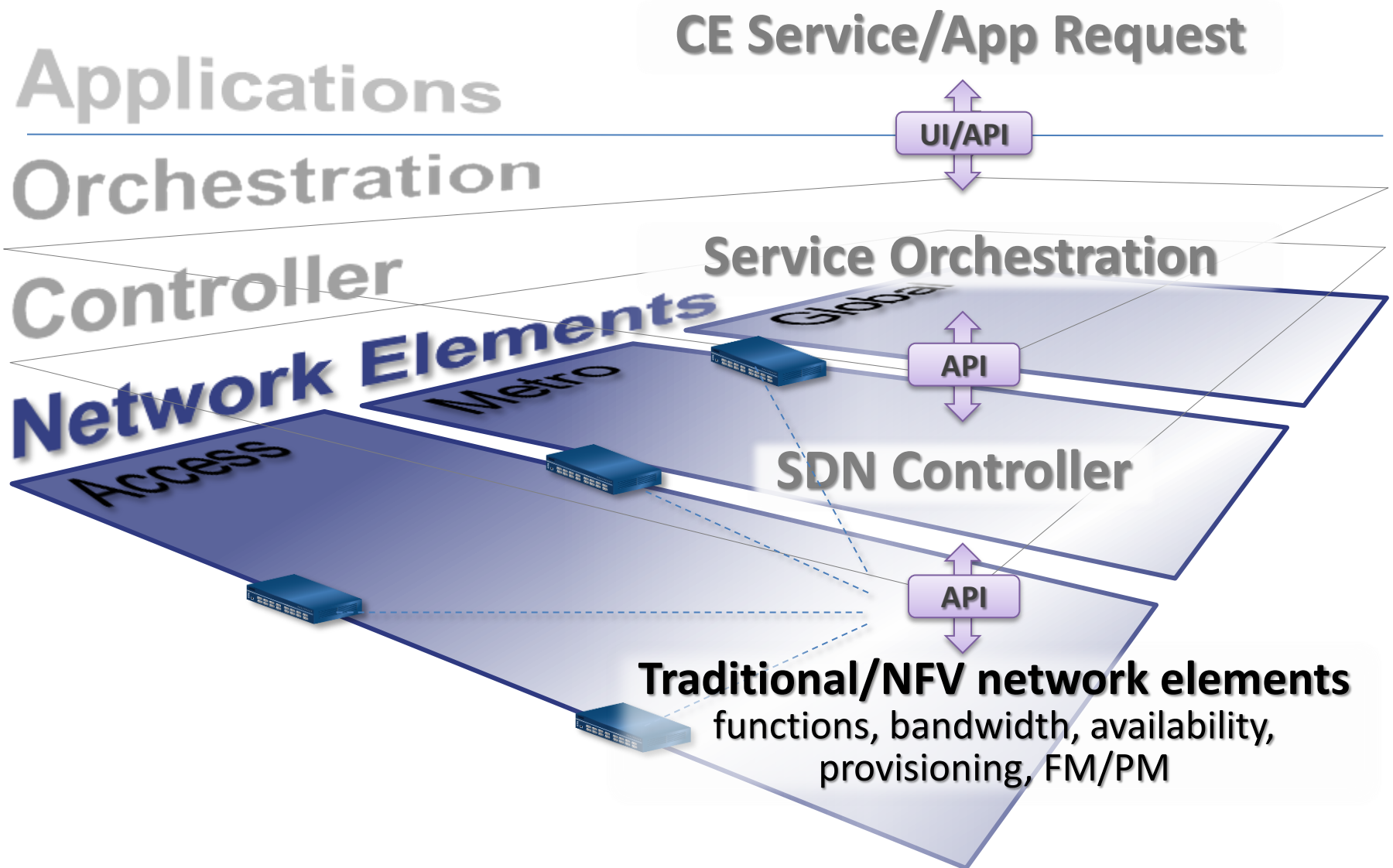


# Automating CE Service Delivery





# Automating CE Service Delivery



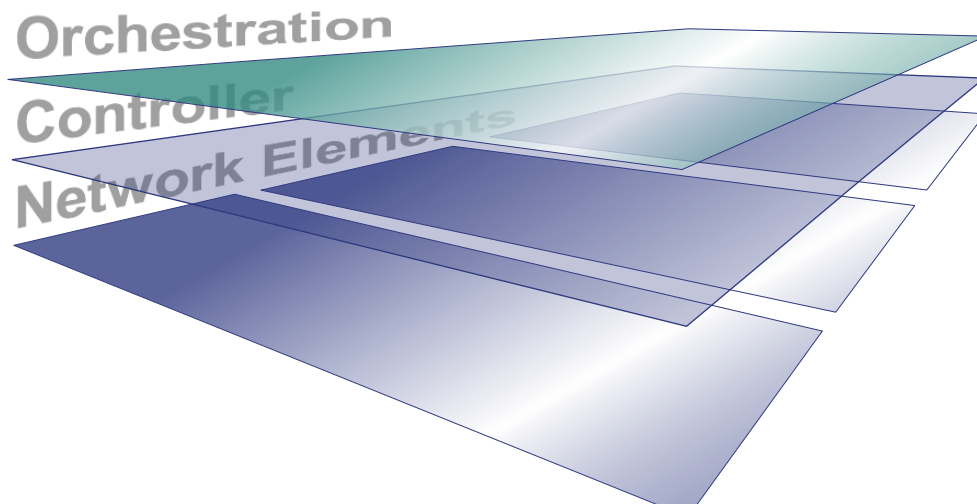
# The Future of Ethernet

## PSTN-like **Simplicity**

- Zero-touch automation, on-demand, instantly anywhere
- Over the new cloud: network + data center
- User-paced and seamless migration

## **Service Orchestration** will be the Defining Work

- Vertical-Integrates all the elements that enable this future
- Unlocks potential massive Ethernet business opportunities
- New MEF work at the heart of network transformation





# The Future of Ethernet

[MetroEthernetForum.org](http://MetroEthernetForum.org) & [CloudEthernet.org](http://CloudEthernet.org)

# MEF Worldwide Community

**Since 2001, Accelerating the  
Adoption of Carrier Ethernet  
Networks and Services**



**219 Member Companies, 133 Service Providers**

**40+ Tech Specs**

**700+ MEF Certified Services & Products**

**1385 MEF-CECPs: +30% in last 3 months**

*Full Update in MEF Briefings*



## Addressing the Scalability of Ethernet for Cloud

- Address Scalability in and between Data Centers
  - Storage Network Scalability
  - Layer 2 performance and resilience
  - Close Collaboration with MEF on scalability, automation
- Driven by migration to Cloud and network growth

