

MEF

Ethernet: Bringing the Cloud Down to Earth ...

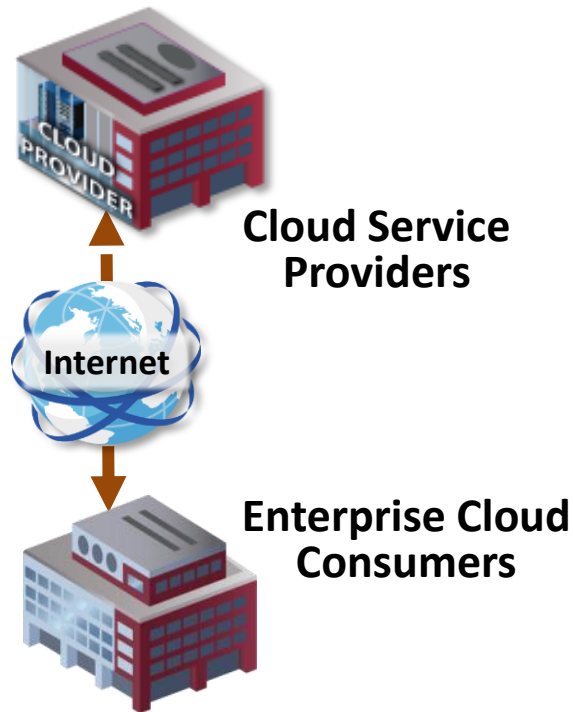
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Enterprise Cloud Service Delivery: The Challenges

- Internet is predominant method of delivering cloud services
- Larger Enterprises hesitant to move mission-critical applications to the cloud when delivered via the Internet



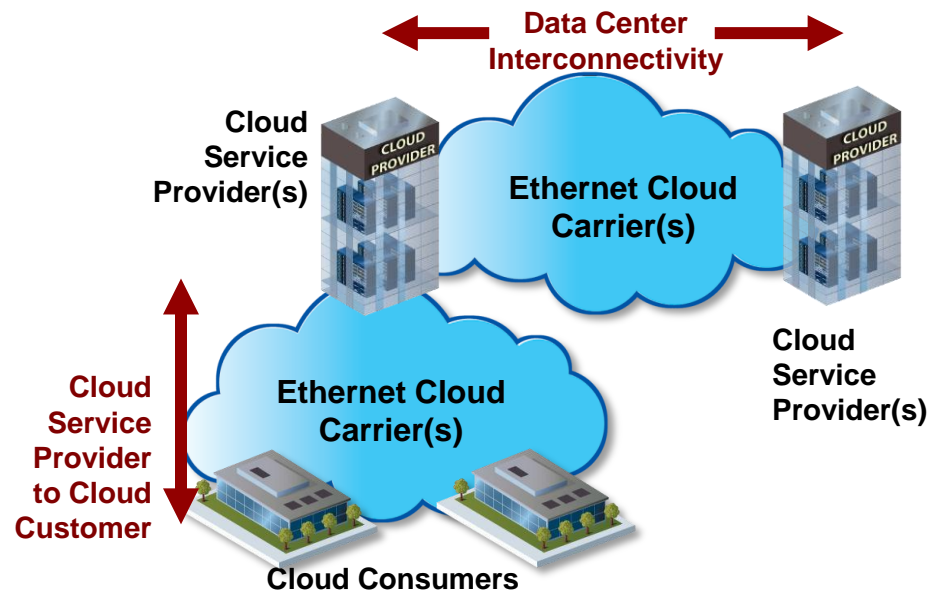
Cloud Service Delivery Challenges over the Internet

- Security Vulnerabilities
- Data Governance
- Regulatory Compliance
- Performance

The WAN is critical for cloud service performance (SLAs)

Carrier Ethernet for Cloud Service Delivery

- **Carrier Ethernet for Cloud Service Delivery**
 - Predictable Performance
 - Secure
 - Control of Data Governance and Regulatory Compliance
 - Static Cloud Services deployed today
- **Top MEF Priority**



MEF Carrier Ethernet Solutions: Today and Future

- **Today's Carrier Ethernet**

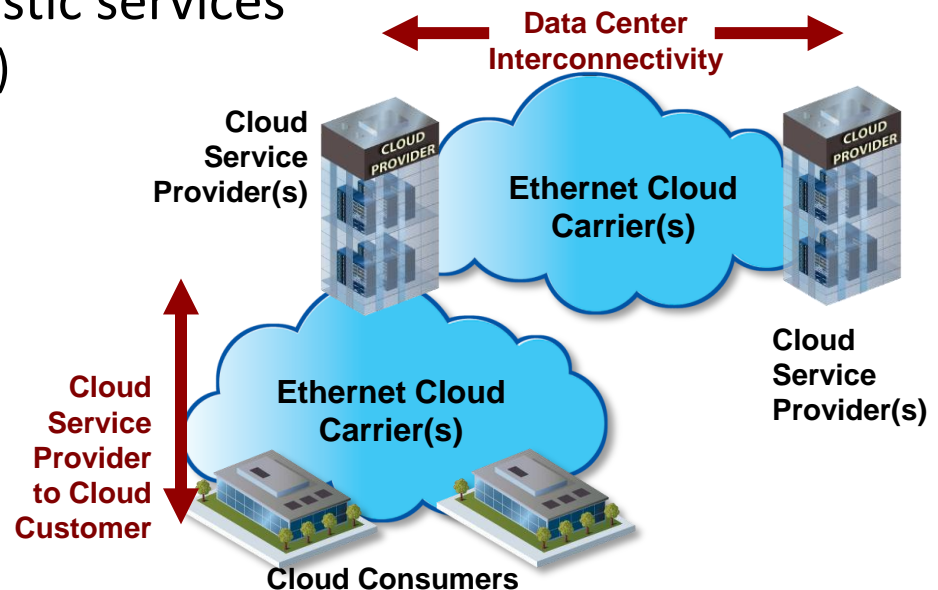
- Removes internet delivery issues for mission critical apps
- Uses Carrier Ethernet to connect between cloud providers
- Using Carrier Ethernet to connect to cloud customers
- Significant opportunity for additional revenue

- **Work in Development**

- Services extensions for elastic services (on-demand bandwidth, etc.)
- New management APIs

- **Under Investigation**

- Carrier Ethernet as data center solution



CE Benefits for each Stakeholder

- **Cloud Providers**

- Access to massive Enterprise audience with business-class delivery

- **Ethernet Cloud Carriers**

- Deliver mission-critical business-class Cloud-based services as long term value-added service
- Leverage well-established, customer relationships

- **Enterprise Cloud Consumer**

- Meets Enterprise requirements for high performance, secure and controlled access to mission critical applications

Carrier Ethernet, Cloud and SDN

- **MEF is committed to continued revenue growth of CE in step with market migration to Cloud**
- **Reducing cost and complexity with dynamic automated processes essential for scalability**
 - CE and SDN share these common goals
- **CE extensions for cloud service delivery are top MEF priority:**
 - Ongoing MEF technical work for services & management: needed for traditional and SDN approaches
 - MEF and ONF in discussion on technical alignment

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Summary

Carrier Ethernet for Cloud Service Delivery