

Live Video Delivery for Broadcast via LTN *SmartCloud*

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The World has turned IP

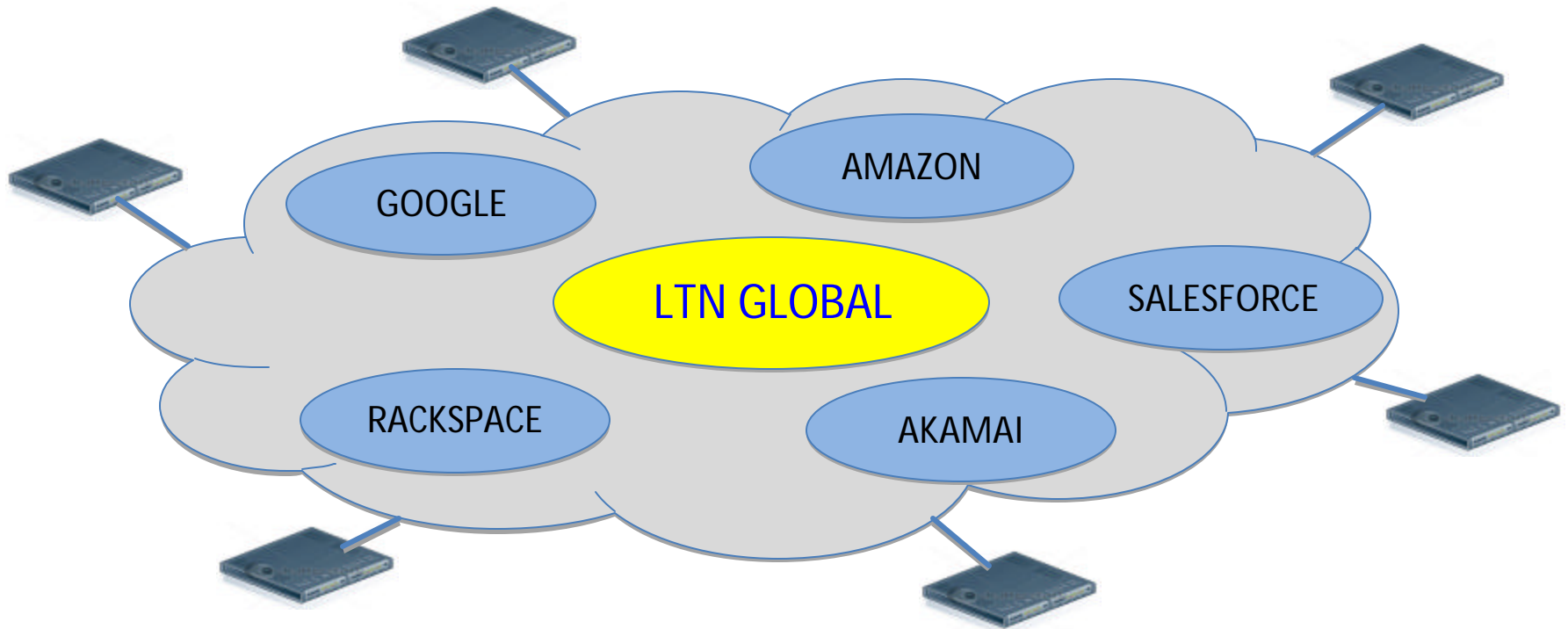
Benefits are clear

- Unprecedented reach – Internet is the single largest grid worldwide
- Compelling economics – fastest declining cost curve
- Internet backbone capacity is growing astronomically
- Last mile access is growing
- All devices are becoming IP centric

But there are issues to solve

- The raw Internet is inconsistent and unpredictable
- Video transport over the raw Internet is either reliable but not timely or timely and unreliable

Innovative Cloud Technologies



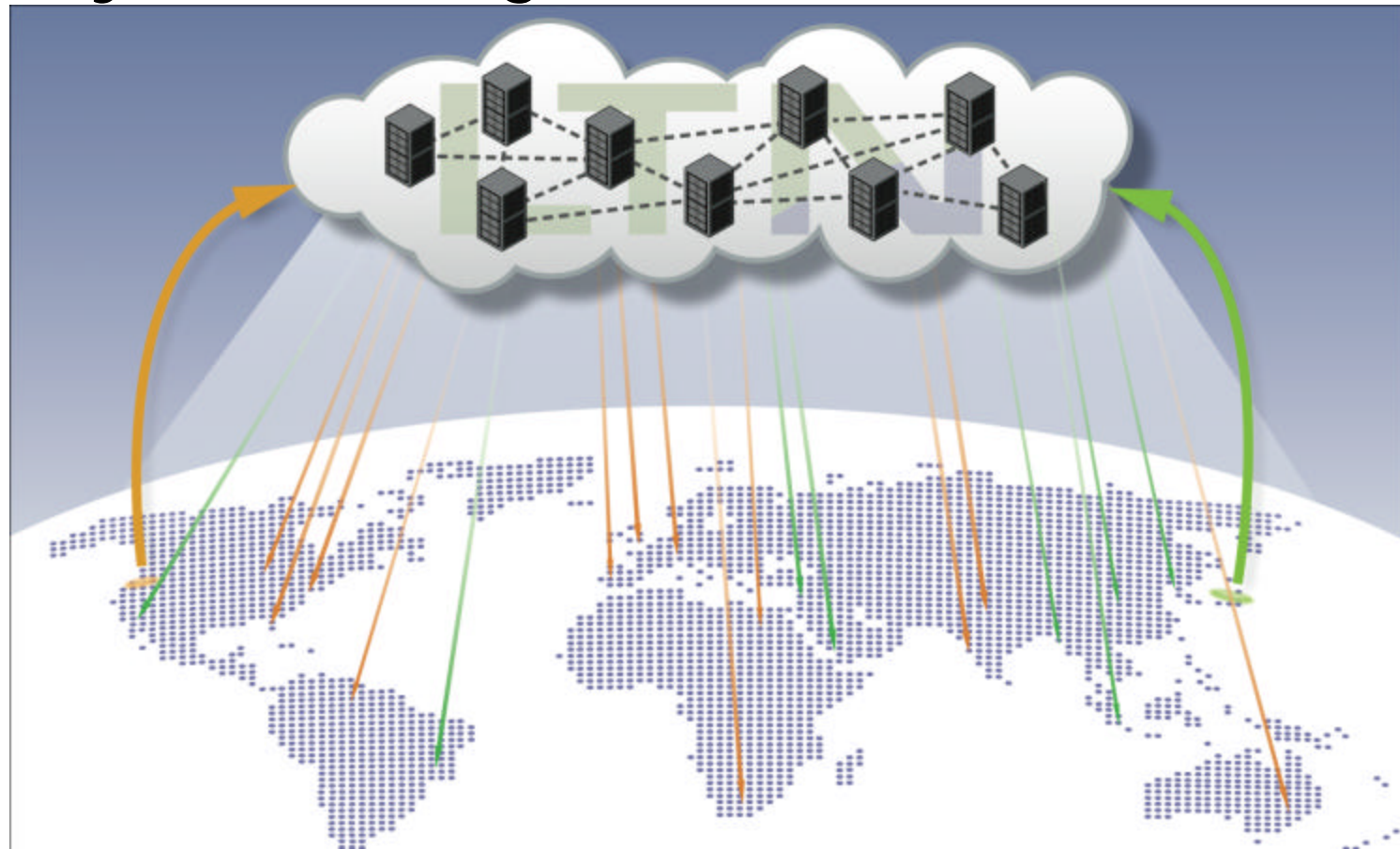
- Application or computing service delivered via Internet
- Variable cost model for customers
- Independent of location and geography

LTN *SmartCloud*: Live Broadcast-quality Video Multicast for Media Customers



- Overcomes the challenges of high internet jitter and packet loss
- Utilizes overlay routing over multiple network providers
- Provides local redundancy as well as global cloud redundancy
- Enables point to multi-point distribution

Key Advantages of a Cloud Network



- **Agile provisioning**
- **Rapid elasticity**
- **Built-in resilience**

- **Ubiquitous foot print**
- **Any-any connectivity**
- **Significant cost advantage**

What Differentiates the LTN *SmartCloud*

- **Back bone Network**
 - Monitoring & management
 - Overlay routing
 - Fault tolerance
- **High Performance**
 - Predictable & consistent
 - Bi-directional transmission path
 - High bit rate
 - Multi-point delivery
- **Architecturally secure**
 - Closed loop network
 - Encryption enabled

LTN Competitive Advantages

	LTN	Satellite (B2B)	Dedicated Fiber
Geographic Coverage	Global	Regional	Point-point
Broadcast Topology	Point-multipoint	Point-multipoint	Point-point
Traffic Flow	Two-way	One-way	Two-way
Flexibility	Any bit-rate	Fixed bit-rate	Fixed capacity
Install Time	Days	Months	Months
Cost Structure	Low/Variable	High/Fixed	High/Fixed

Company Vision

Global demand for video content is growing rapidly and content providers need an IP transport cloud that can deliver broadcast-quality real-time video quickly, easily and at low cost, from anywhere to anywhere

Company Mission

Enable our customers to distribute what they want, to whom they want, where they want, when they want, and in whatever format they want, all at significant savings