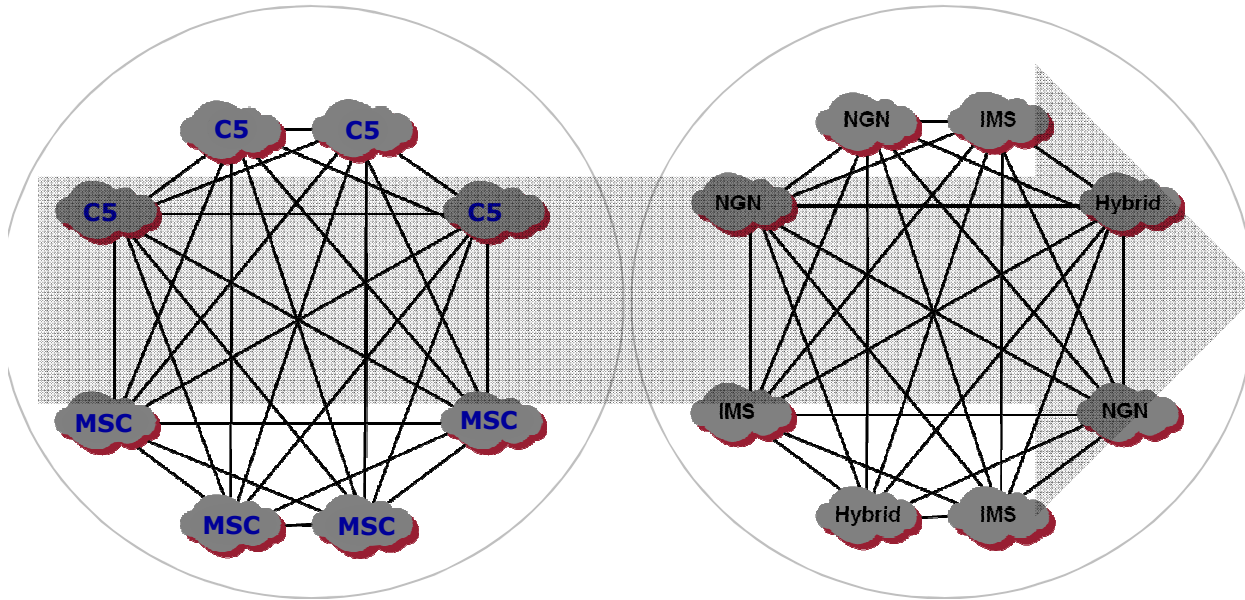


i3 Forum

Dr. Keith Bhatia
Keith.bhatia@neustar.com

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The Promise of IP and the Reality

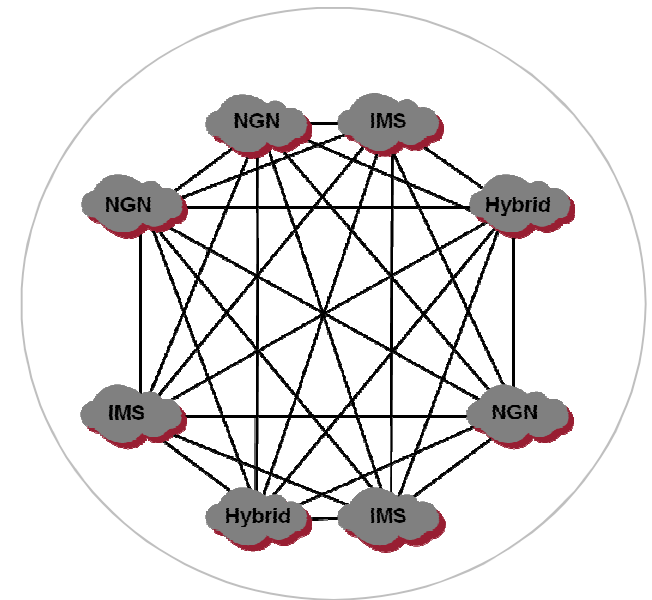


- **IP was supposed to simplify and unify networks, services and management**
- **The nature of large networks is to be in transition and continually evolve**

- Investment in IP has led to 'Islands' of technology
- Each island tends to have its own services
- Each Island tends to use separate policy architectures
- Each Island tends to have separate routing and addressing rules

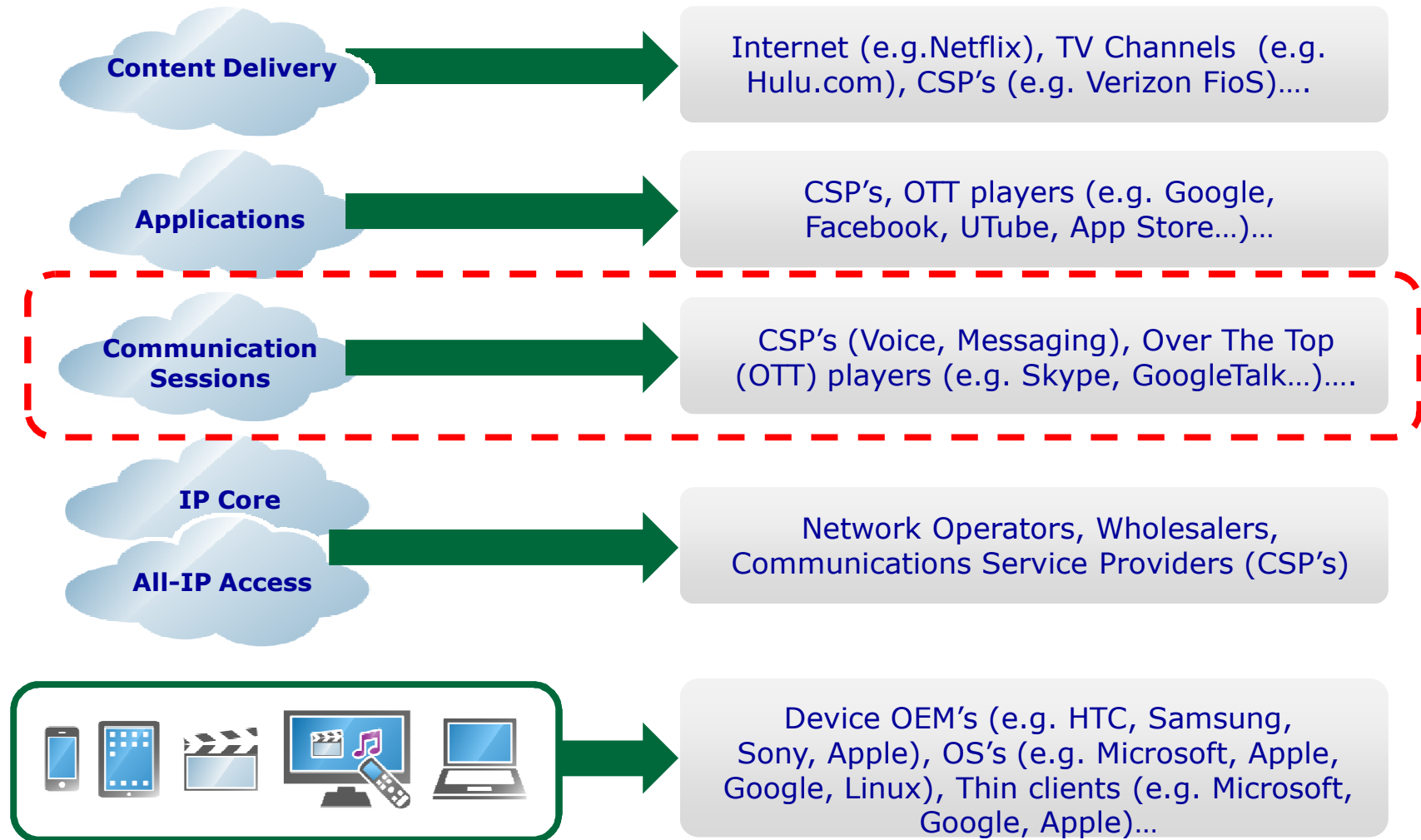
The Challenge and Opportunity of Network Addressing and Routing

- Enabling market interoperability and global reach
- Connecting islands of IP
- Enabling new services
- Integrating network assets
- Connecting peers, partners and ecosystems
- Carrier ENUM
- Number Portability
- Technology, Networks and Interconnection



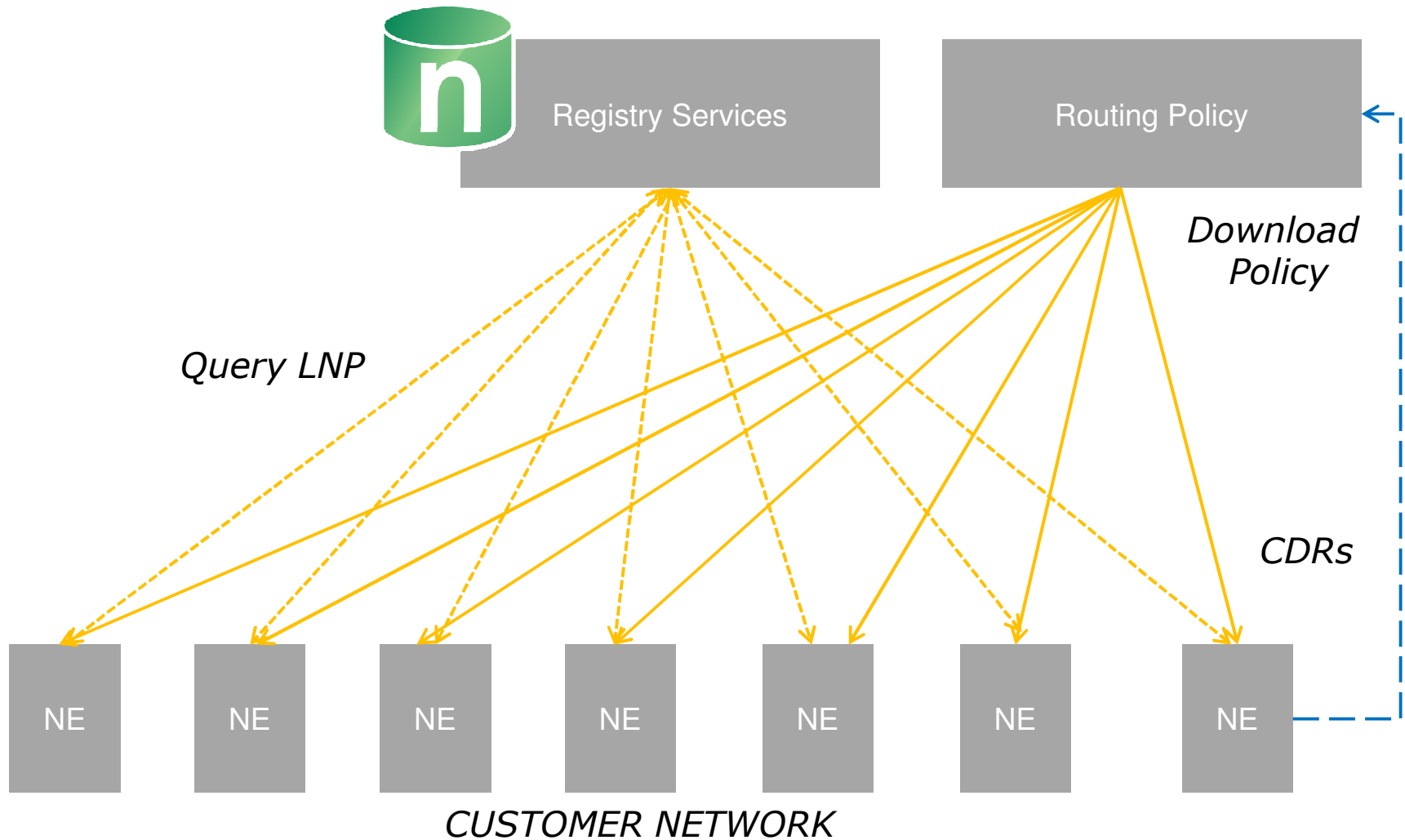
**‘ If I’m going to be a pipe,
I’d rather be an Intelligent pipe... ’**

The Challenge is much bigger:

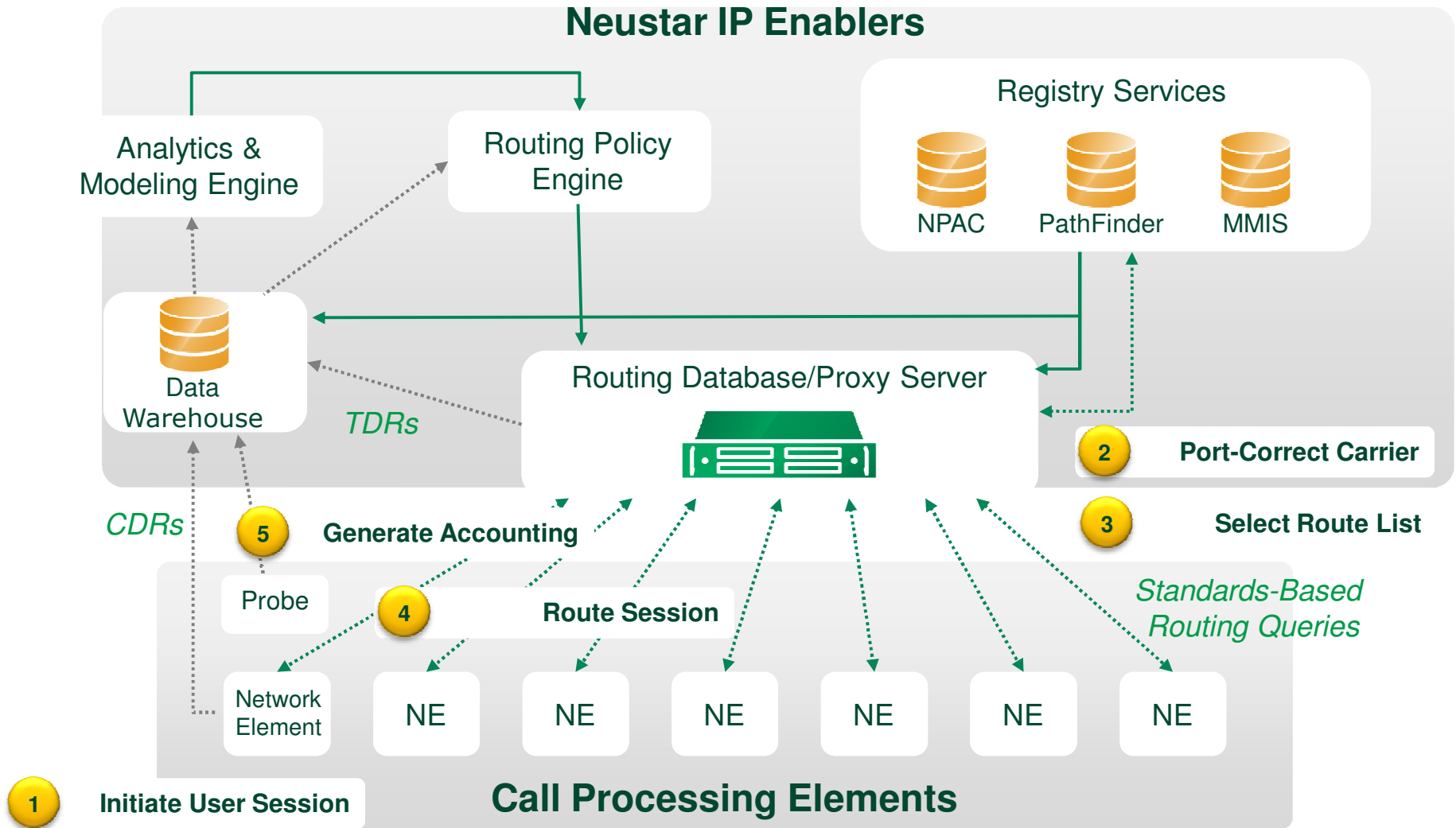


Many Ways to Access new Services: CSPs vs OTT

Today's Distributed Routing Model

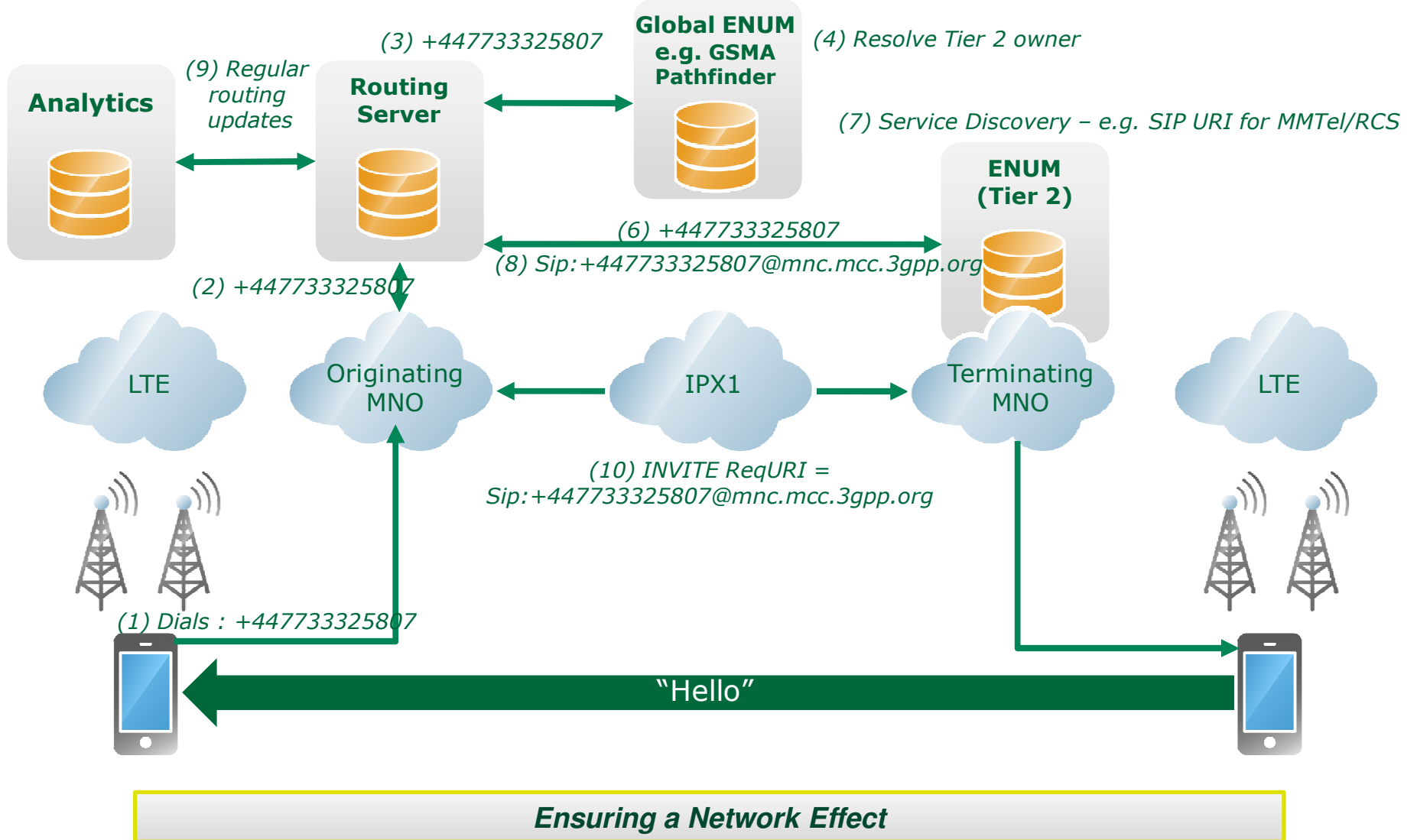


Neustar IP Enablers Reference Architecture

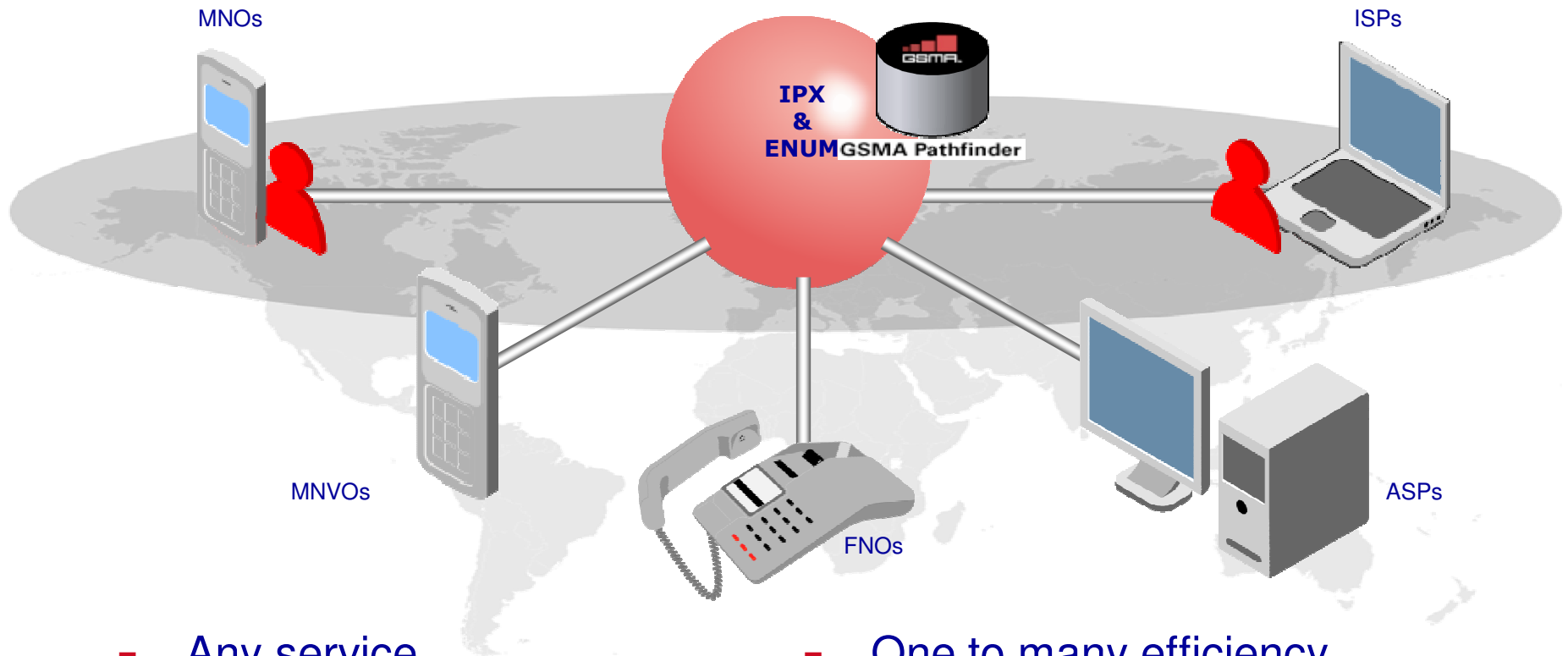


Use case : Inter-network interconnect

(5) Name server – Tier 2 ENUM



One Solution is Pathfinder



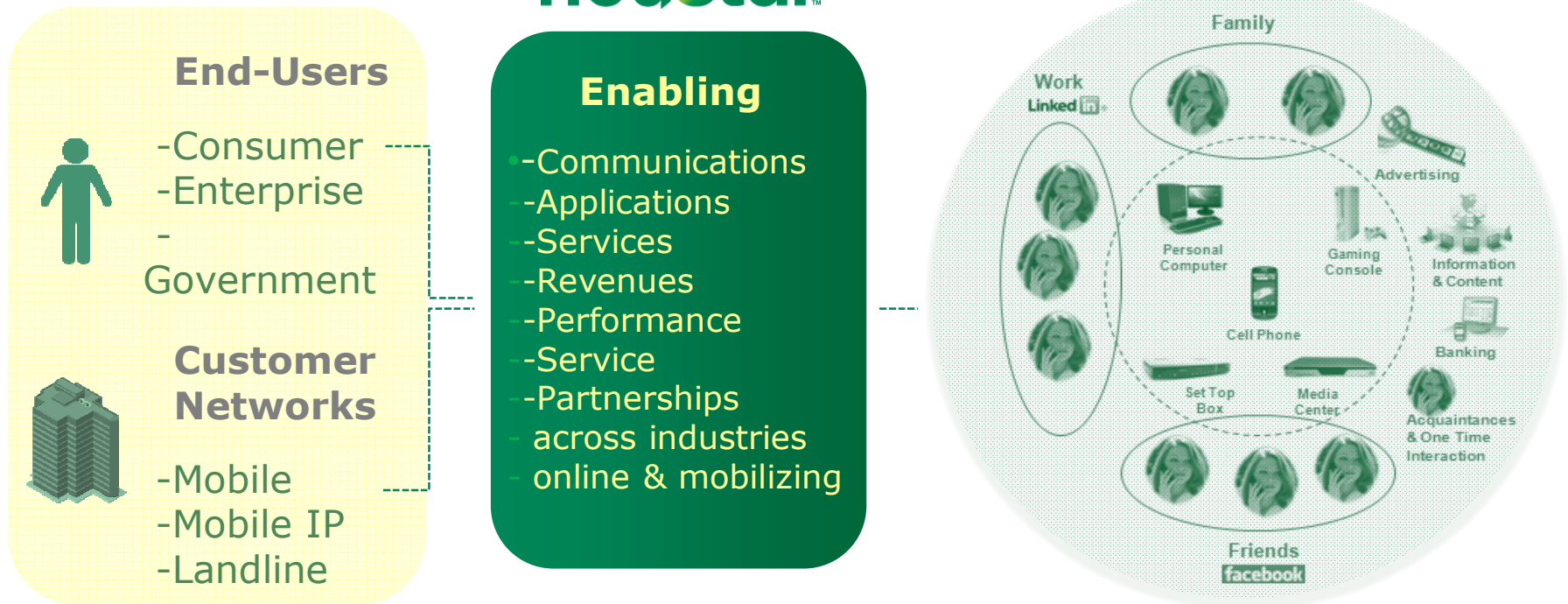
- Any service
- Interoperable & scalable
- All IP solution
- Reliable routing
- One to many efficiency
- Sustainable business models
- Guaranteed Quality of Service
- Security

No need to reinvent the wheel with each connection

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Enabling and Partnering with Neustar

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Operator Ecosystem

- Numbering Services
- IP Routing
- Mobile Internet Solutions

Marketing Ecosystem

- Common Short Codes
- 2D Barcodes
- Intelligent Cloud

Neustar Media

- Digital Rights Management
- UltraViolet

Internet Infrastructure

- DNS and IP Address Management
- Web performance
- NeuSentry

Geo Location

- Quova

Contact

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