



proudly present:

Lowering Latency

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CLOUD COMPUTING

Revolutionizing Entertainment & Media

The Impact of Mobile Cloud Computing & Big Data

WEST 2013

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The Cosmopolitan
Las Vegas, NV

Light “only” travels at 186,282 miles/second



**As the distance between systems increases,
so does latency**

Latency and Network Application Performance

Latency: a measure of the time delay experienced by a system

It is

latency caused by distance (speed of light limitation) ***plus***

latency and packet loss caused by network congestion

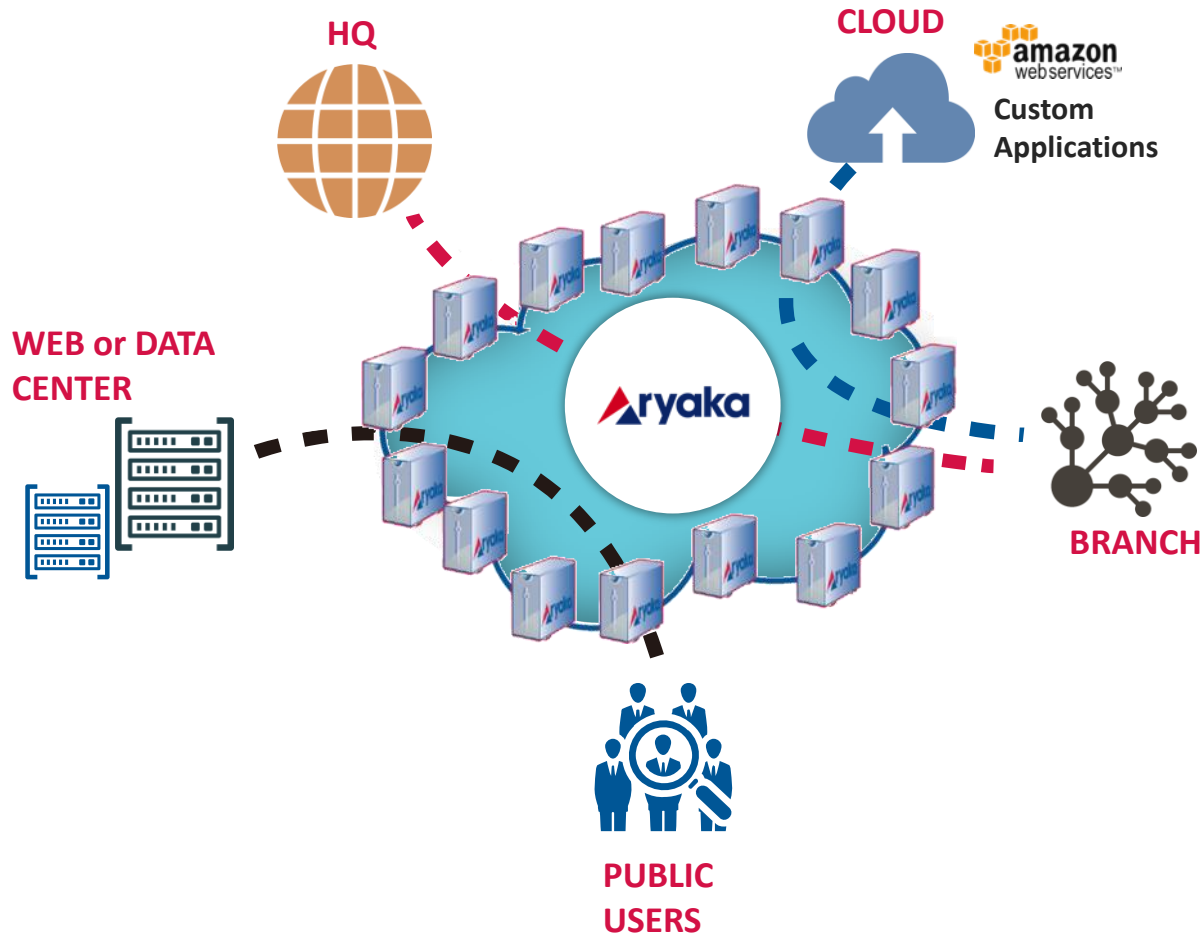
that are the biggest factors in poor IP application performance on Wide Area Networks (WANs).

Latency and loss are even bigger issues for mobile (wireless) users than wired

Addressing latency and loss for IP applications is what our business is all about

Any Application, Any Location – One Network

Multi-tenant optimization software at globally distributed POPs connected by a private network



Global Private Network

Minimizes global latency; minimizes middle-mile network congestion



Dedicated, closed,
secure, reliable &
available



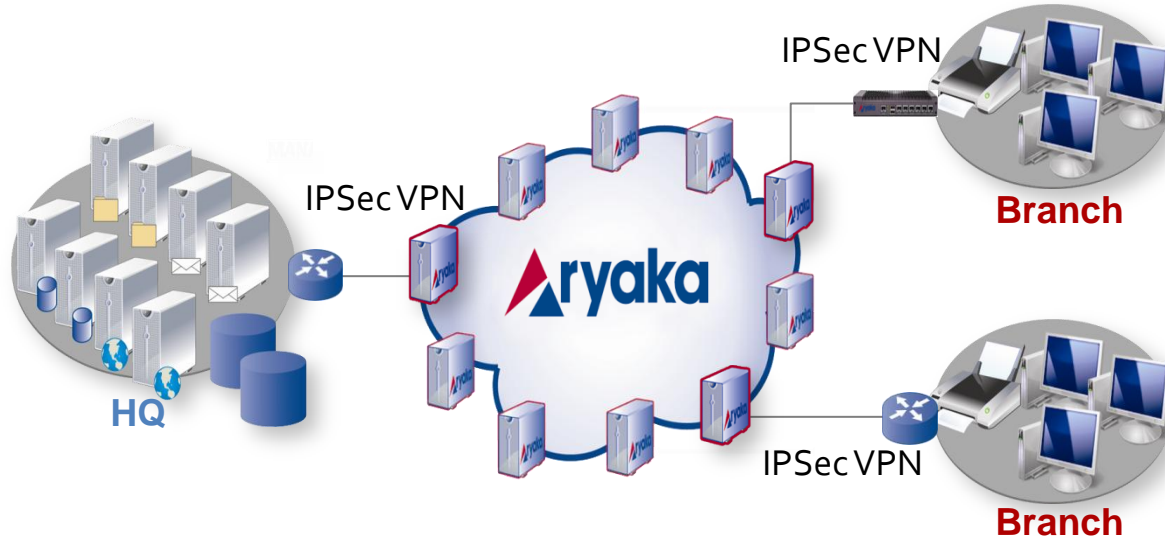
Routed around the
world



Multiple levels of Link &
provider redundancy
across each link

Multi-segment Optimization

Minimizes network congestion; addresses effects quickly



- TCP Optimization
- Internet/L2 link (IPSec)

HQ to POP



- Application Acceleration Proxies
- Data deduplication
- Compression
- TCP Optimization
- Security (IPSec)
- QoS
- Optimized transport

POP to POP

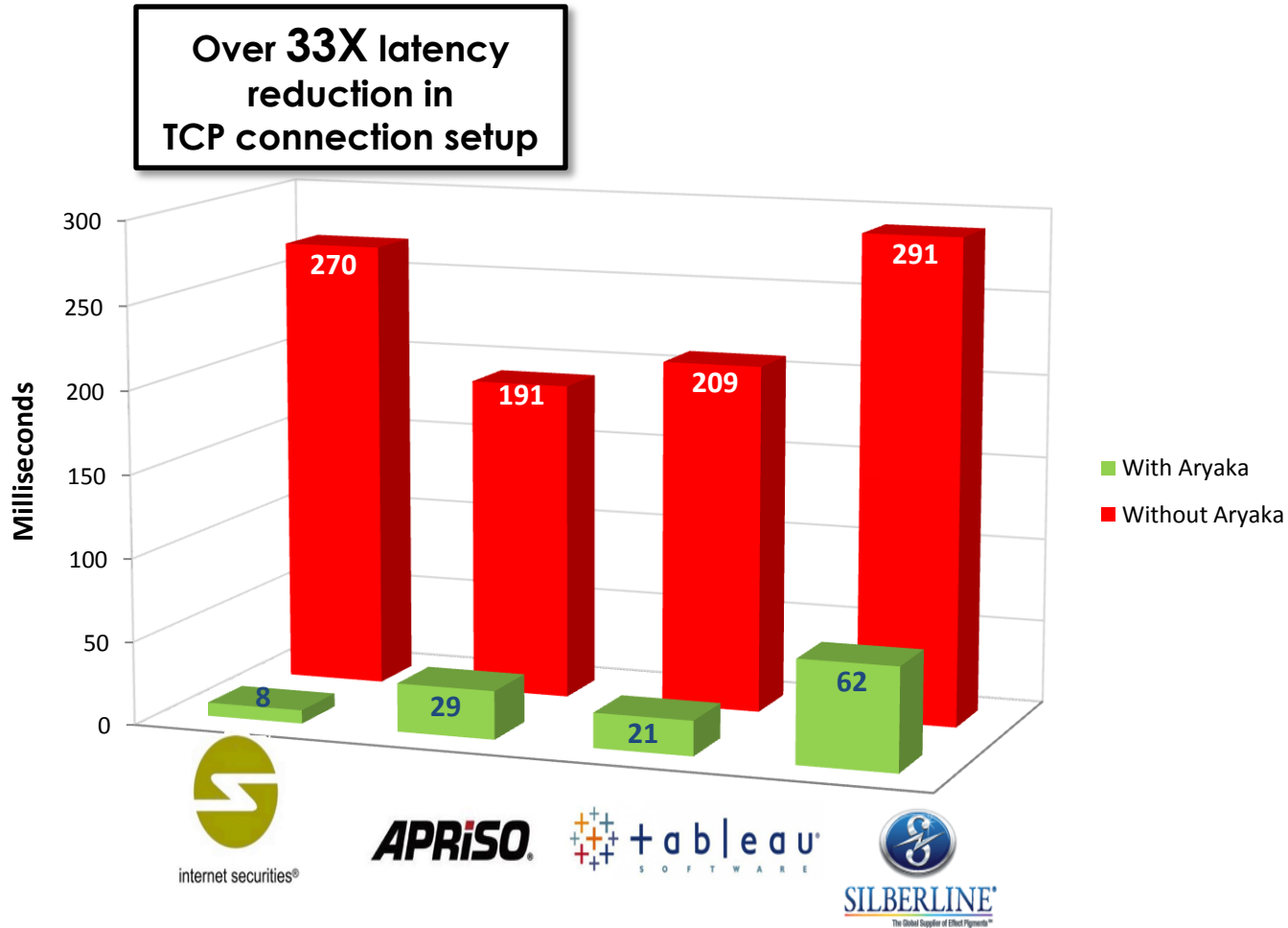


- Data deduplication
- Compression
- TCP Optimization
- Optional ANAP
- Internet/L2 link (IPSec)

POP to BR

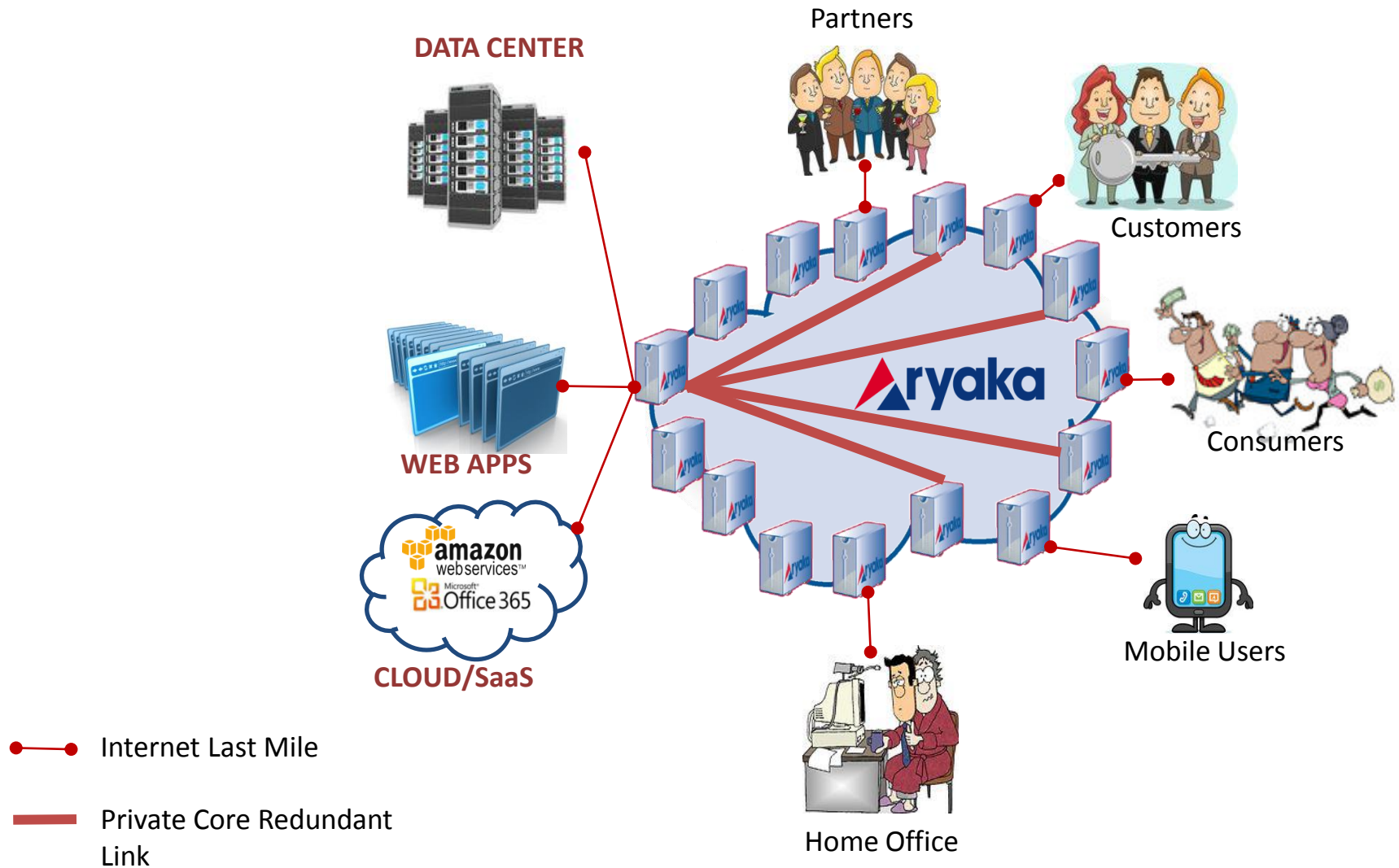


Drastically Reduced Connection Setup Time

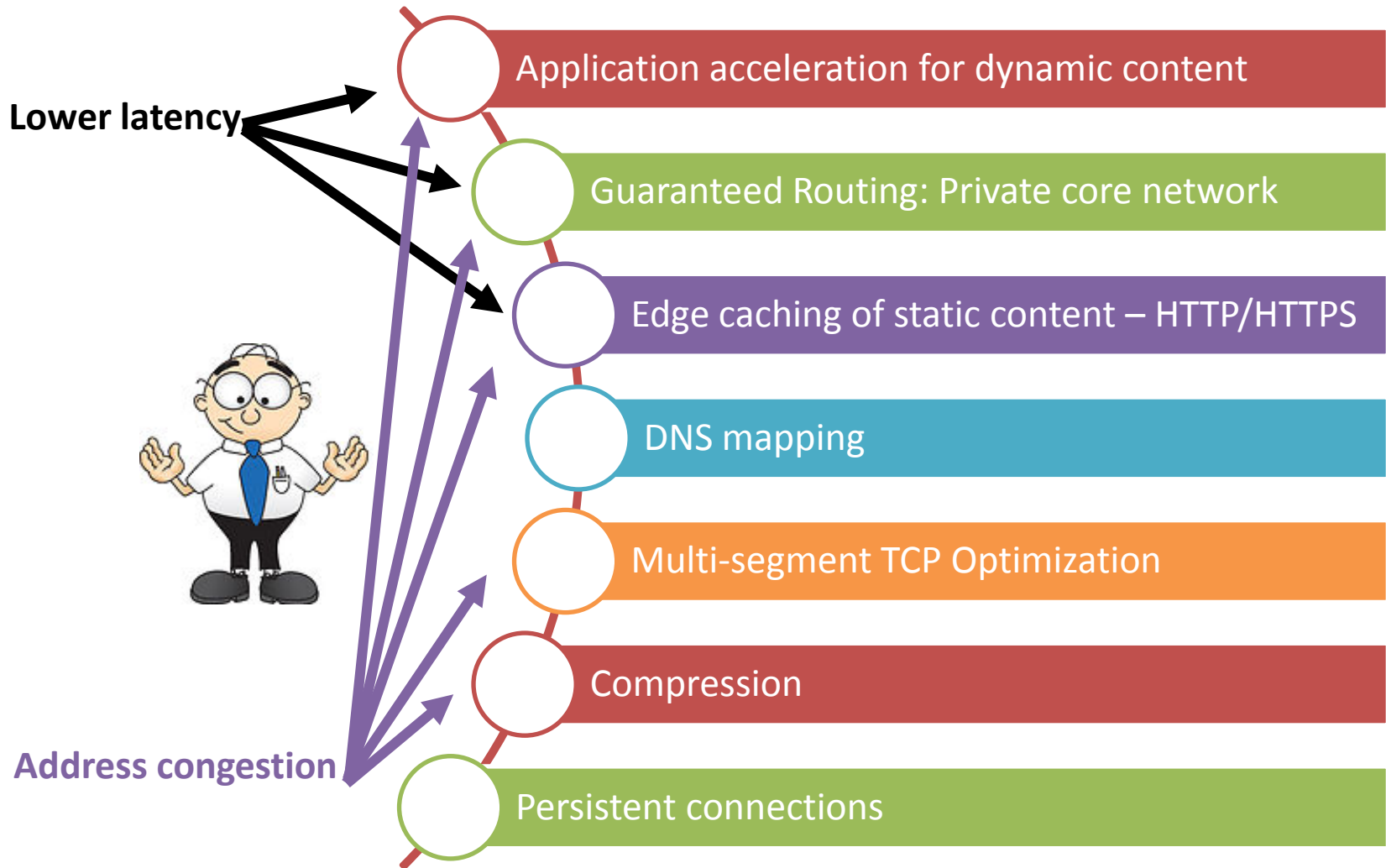


Delivering Web and IP Applications Globally

Lowers latency; minimizes congestion; addresses effects quickly



Application Delivery as-a-Service Features



Thank You