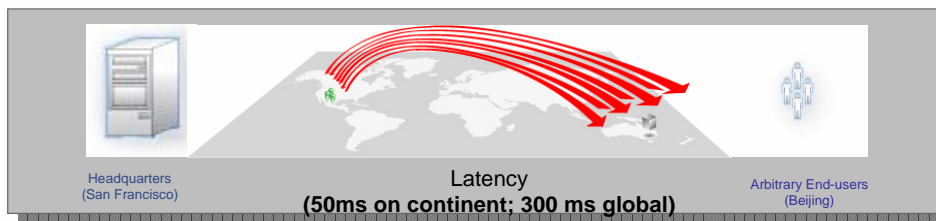




Global Sub-second, Secure, Transparent



Global Delivery Dilemma



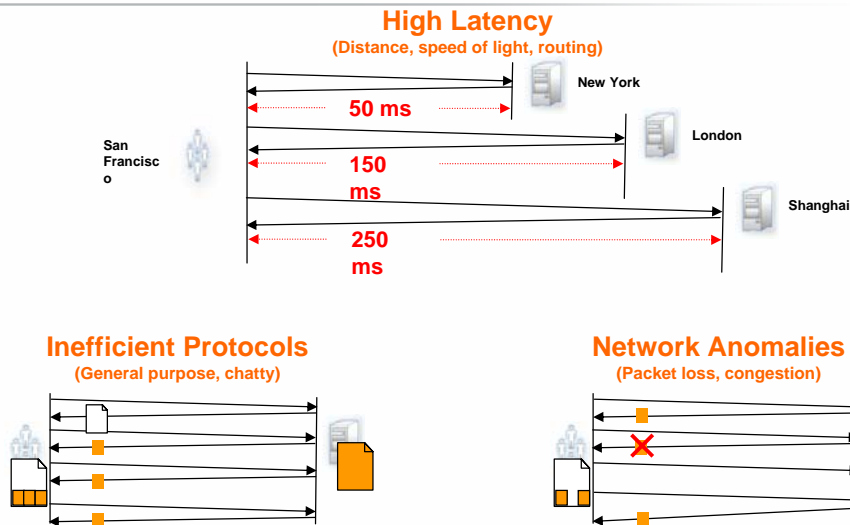
'Build your own' – Costly, Complex & Incomplete



- Performance - Deliver Global Sub-second Response for Arbitrary Users**
 - Dual-ended solutions can't serve arbitrary users
 - Application front-end (AFE) solutions don't solve the Internet latency problem
 - CDN solutions don't solve the dynamic content latency issue
- Scalable - Reduce Infrastructure Utilization and Increases Scalability**
 - Traditional CDN solutions provide only limited utilization reduction
- Secure - Provide End-to-end Security**
 - No existing appliance or CDN solution can serve dynamic content, securely, end-to-end
- Transparent – No Application Modifications**
 - AFE, dual-ended or CDN solutions require application or server modifications
 - Edge-based serving eliminates visibility while increasing complexity and costs



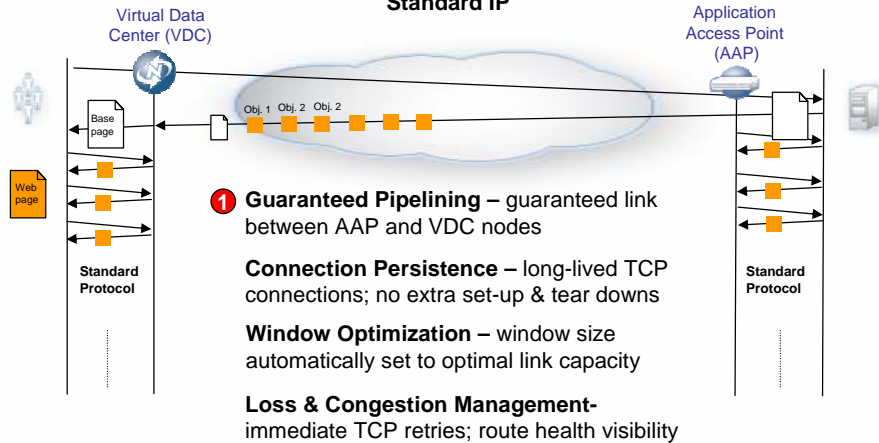
Causes of poor application performance over the Internet



Netli Solution – TCP Optimizations to reduce network latency



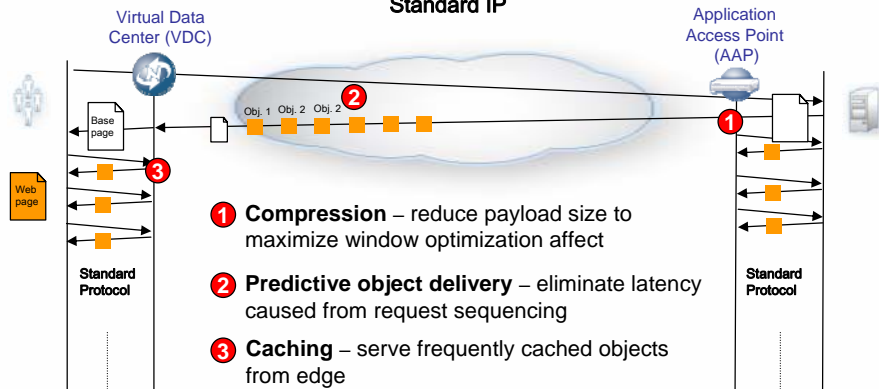
1 Netli Protocol over Standard IP



Combined with HTTP optimizations to reduce application latency



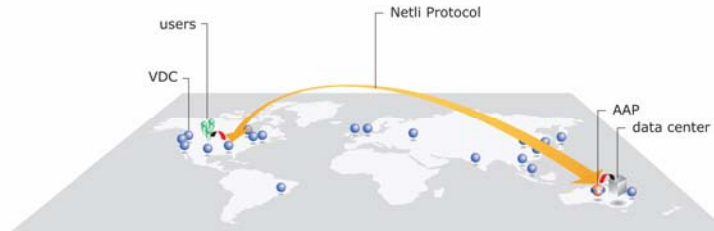
Netli Protocol over Standard IP



Delivered by a Global, Secure & Transparent Platform



Netli One Platform



Global Sub-second, Arbitrary Users

- Bi-nodal network
- TCP optimizations
- HTTP optimizations

Infrastructure Offload

- Static content caching
- SSL Offload
- Connection mgmt

Fully Secure

- End-to-end SSL
- Encryption enhancement
- Server & client certificate support
- Attack & intrusion protection

Transparent

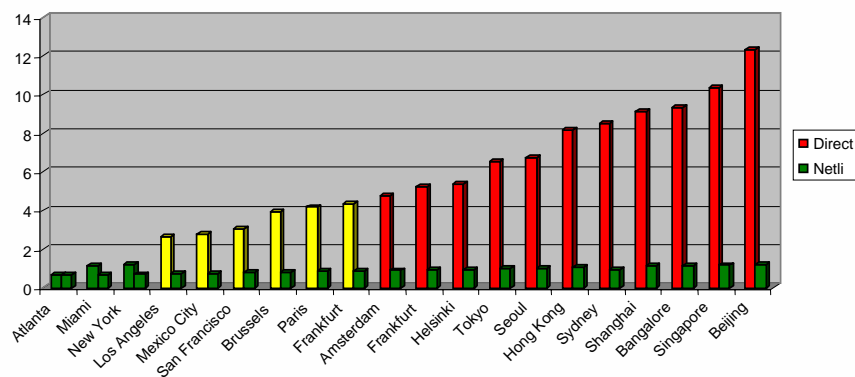
- Zero app. modifications
- Single source
- End-to-end monitoring



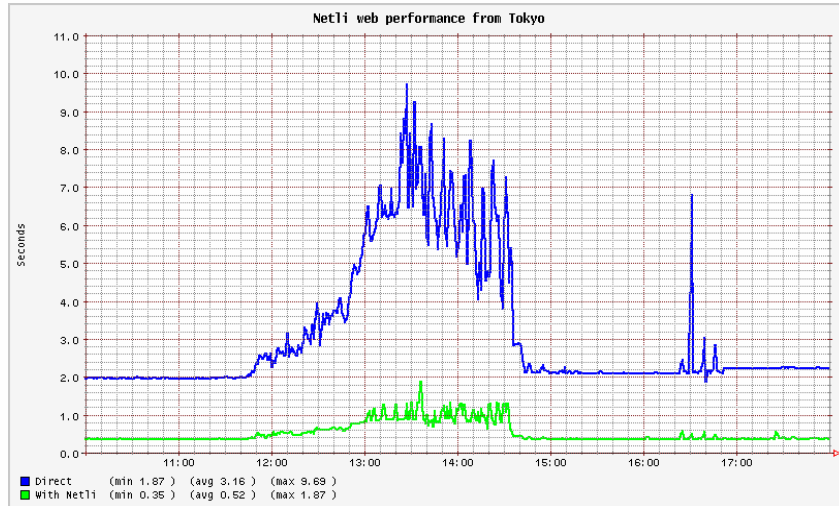
Result - Global LAN-like response from one data center...



HP Developer Support Site
(with and without Netli)



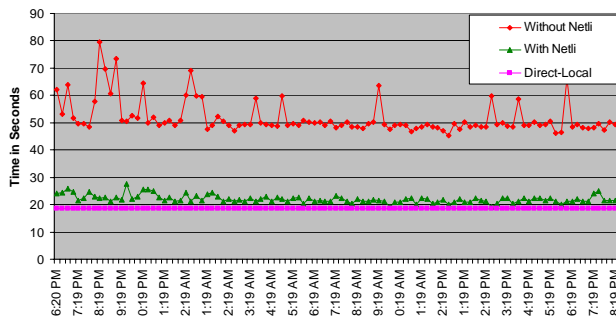
... consistently maintained independent of Network conditions



Case Study – MSFT Web Outlook 5-steps, 100% Dynamic, 100% SSL



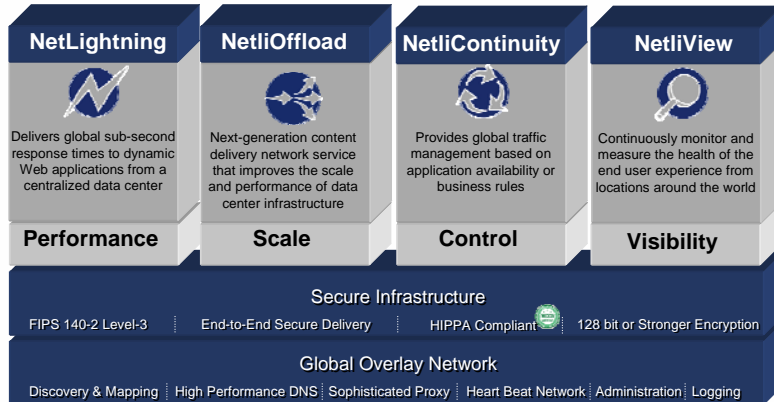
Microsoft Outlook Web Access Server - San Jose, CA End-user – London, England



Average Round Trip (s)

London – without Netli	51.73
London – with Netli	22.03
Direct - local	18.5

Netli Application Delivery Network (ADN) Services



Summary – Reduce cost, complexity, risk & inefficiency



- Performance - Global Sub-second Response for Arbitrary Users**
 - Global, bi-nodal overlay network
 - Netli Protocol - enhanced TCP to reduce total round trips
 - Predictive object delivery & global traffic management
- Scale - Reduces Infrastructure Utilization and Increases Scalability**
 - Static content caching
 - SSL offload
 - Connection management
- Secure - Improves Total Security**
 - End-to-end SSL
 - Server and client certificate support
 - Intrusion and attack protection.
- Transparent – No Application Modifications**
 - Requires zero application modifications
 - Dynamic content served from origin, but still accelerated
 - End-to-end monitoring visibility



Thank you. For more information:

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