

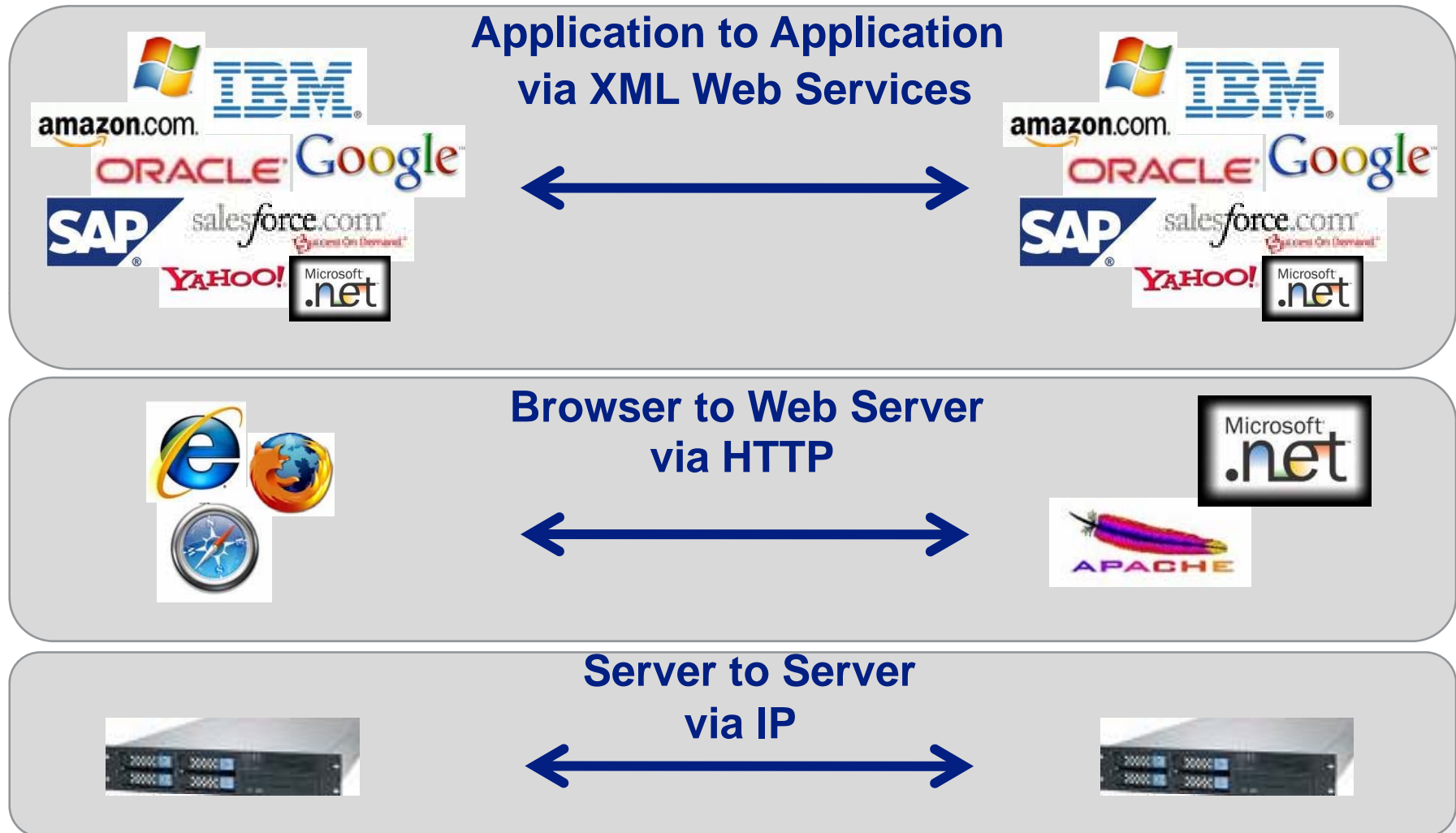
**INTEROP**<sup>®</sup>  
LAS VEGAS | APRIL 27–MAY 2, 2008



## What SOA and Web 2.0 Mean to the Network

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# Spawning A New Network



## Historic Precedents

- Server Networks based on IP Protocol
  - “IP Virtualization” - IP Address/DNS Name
    - Routers, Switches, Firewalls, WOCs, etc.
- Web Networks based on HTTP Protocol
  - “HTTP Virtualization” – URL
    - ADCs, CDNs, Proxies, Web Filters, etc.
- Application Networks based on XML Web Services
  - Need for similar virtualization

## Issue: Interdependence



`<?xml?>`

End-to-end Monitoring

Auditing and Logging

Statistics and Reporting

Debug Tracing

# Issue: Increased Exposure



`<?xml?>`

AAA

Encryption

Privacy

Signatures

# Issue: Contention



<?xml?>

SLA Monitoring

Rate Limiting

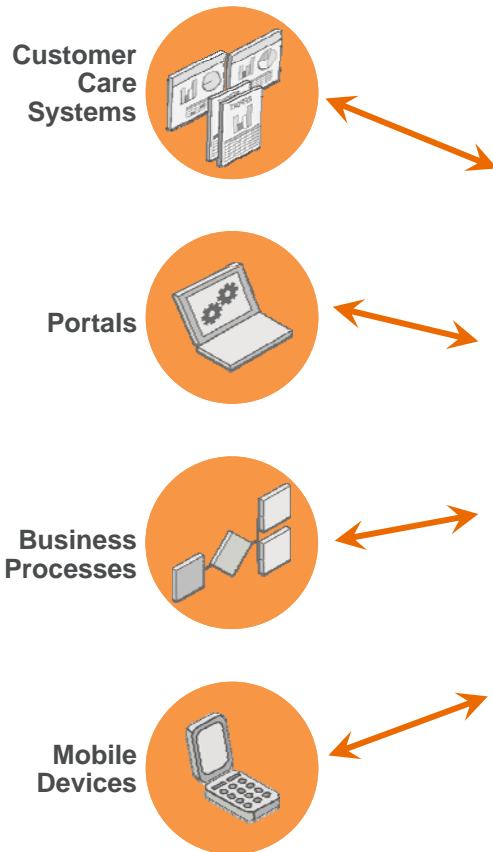
Quota Management

Traffic Shaping

Traffic Prioritization

# Answer: Service Virtualization

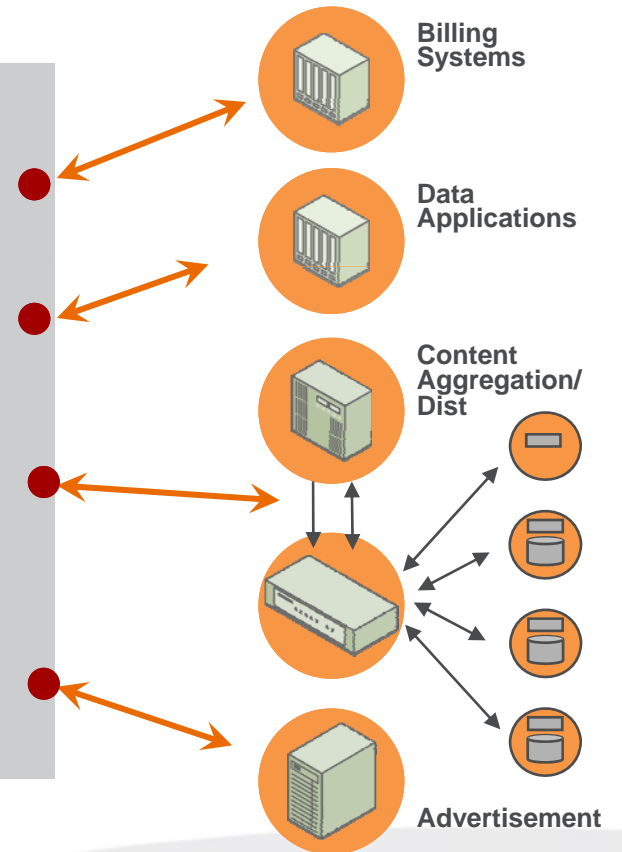
## Service Consumers



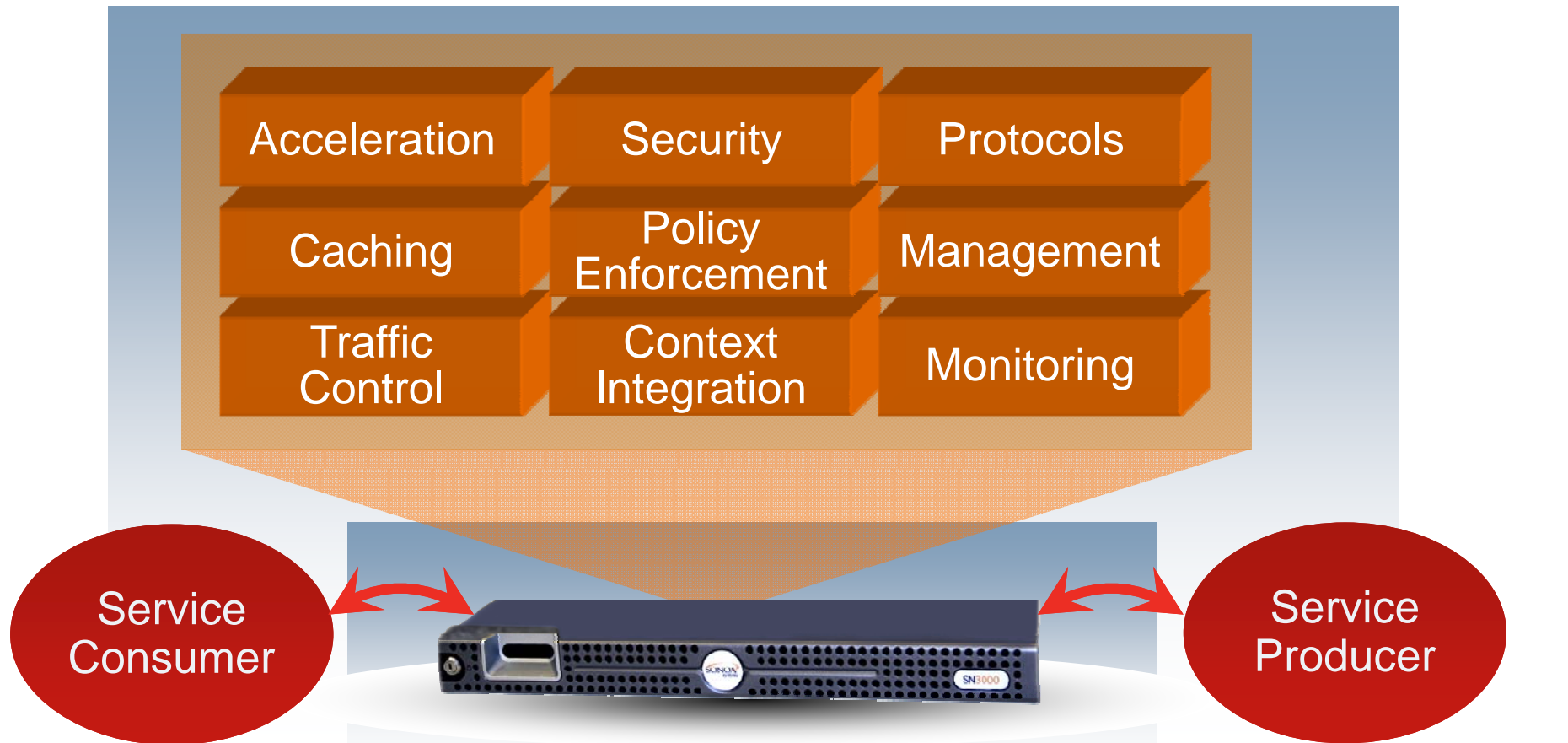
## Service Virtualization

- ✓ Control and Visibility
- ✓ Performance Acceleration
- ✓ Reliability and Scalability

## Service Providers



# Service Delivery Controller



## SDC Policy Support

- Security and Compliance
- Visibility
- Traffic Management
- Performance Acceleration
- Fault Management
- Profile driven personalization
- Transport/Payload/Target Mediation

## Call to Action

- Learn more about XML web services
  - Plenty of free material on the web
  - Industry consortia, standards bodies, analyst reports
- Discuss with app dev counterparts
  - Understand their plans to roll out services
  - Jointly think through all the operational issues
- Prepare to address new issues
  - Evaluate products and services that can help
  - Understand what would work best for your environment

## Questions ?

- Further information
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