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# JavaOne™

Using Java™ Technology in  
the Windows Azure Cloud via  
the Metro Web Services Stack

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# “.NET” Services? With Java? Explain!

## > Intro

- Metro web services
  - Problem: Getting past firewalls, NAT
  - Problem: Separating Authentication from Authorization
  - Solution: Azure .NET Services
- What are Azure Services and why would you care?

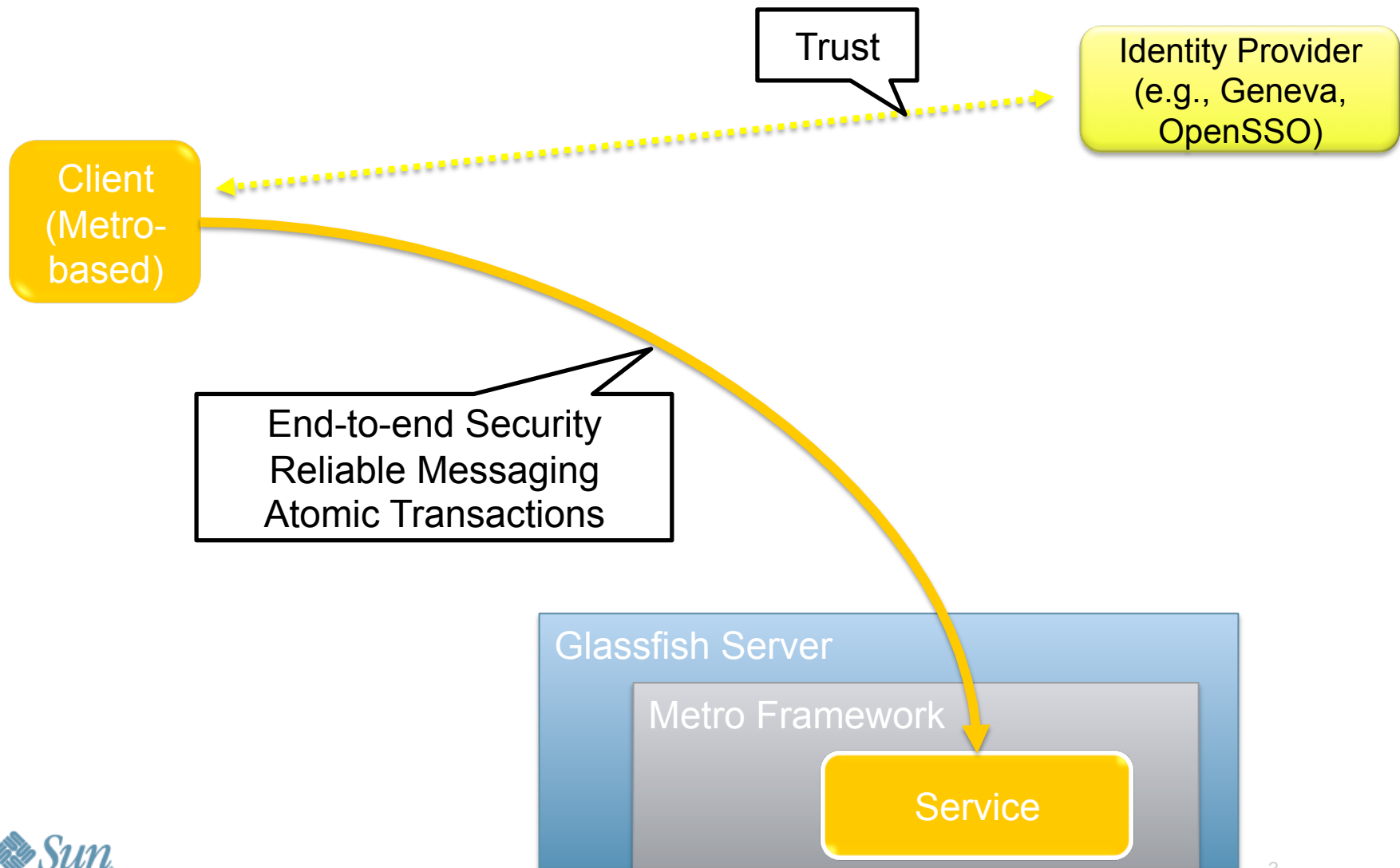
## > Demo

- Metro Web Services with the .NET Service Bus

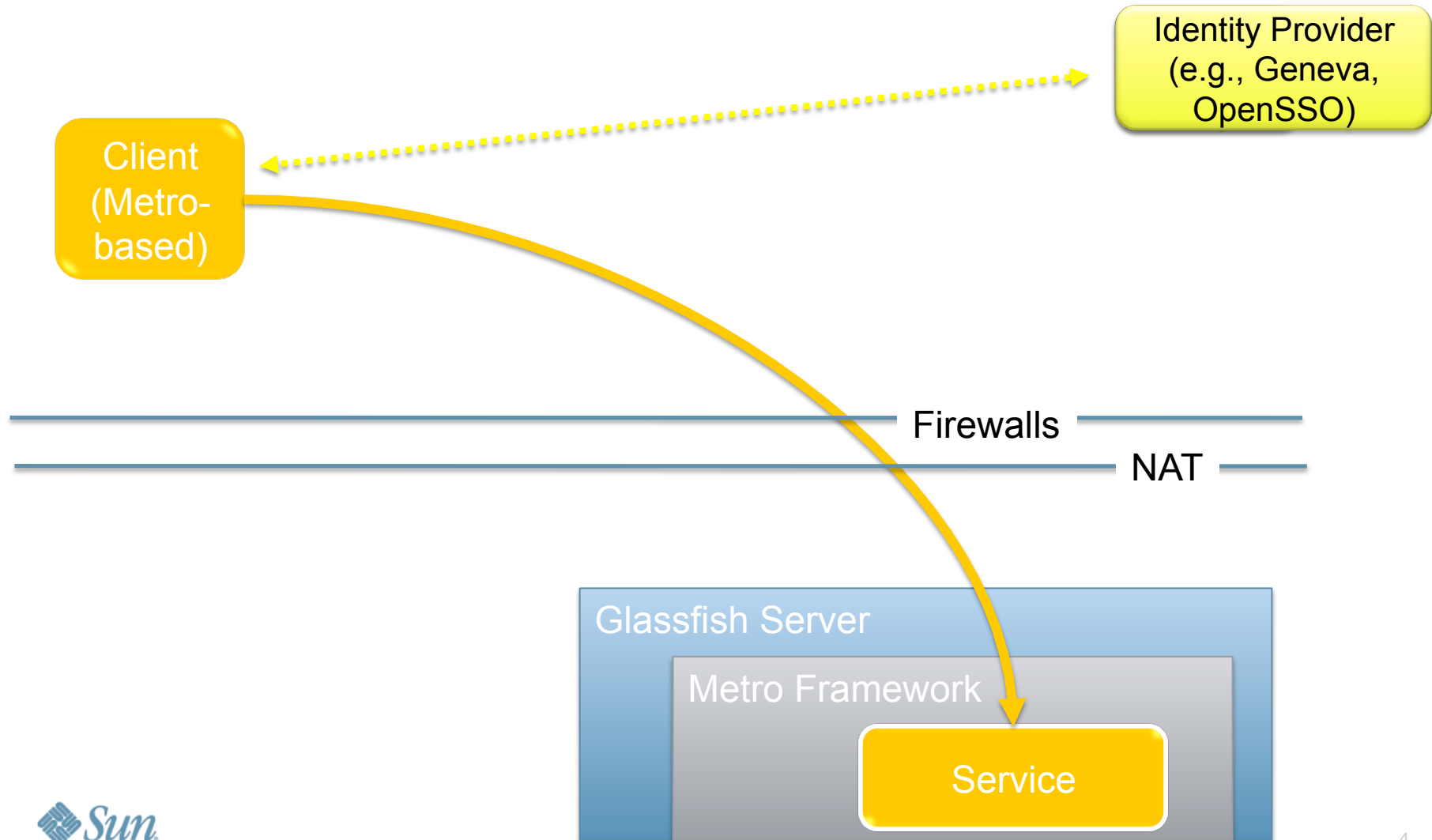
## > Demo

- Load-balancing and auditing Metro Services using .NET Queues and Routers

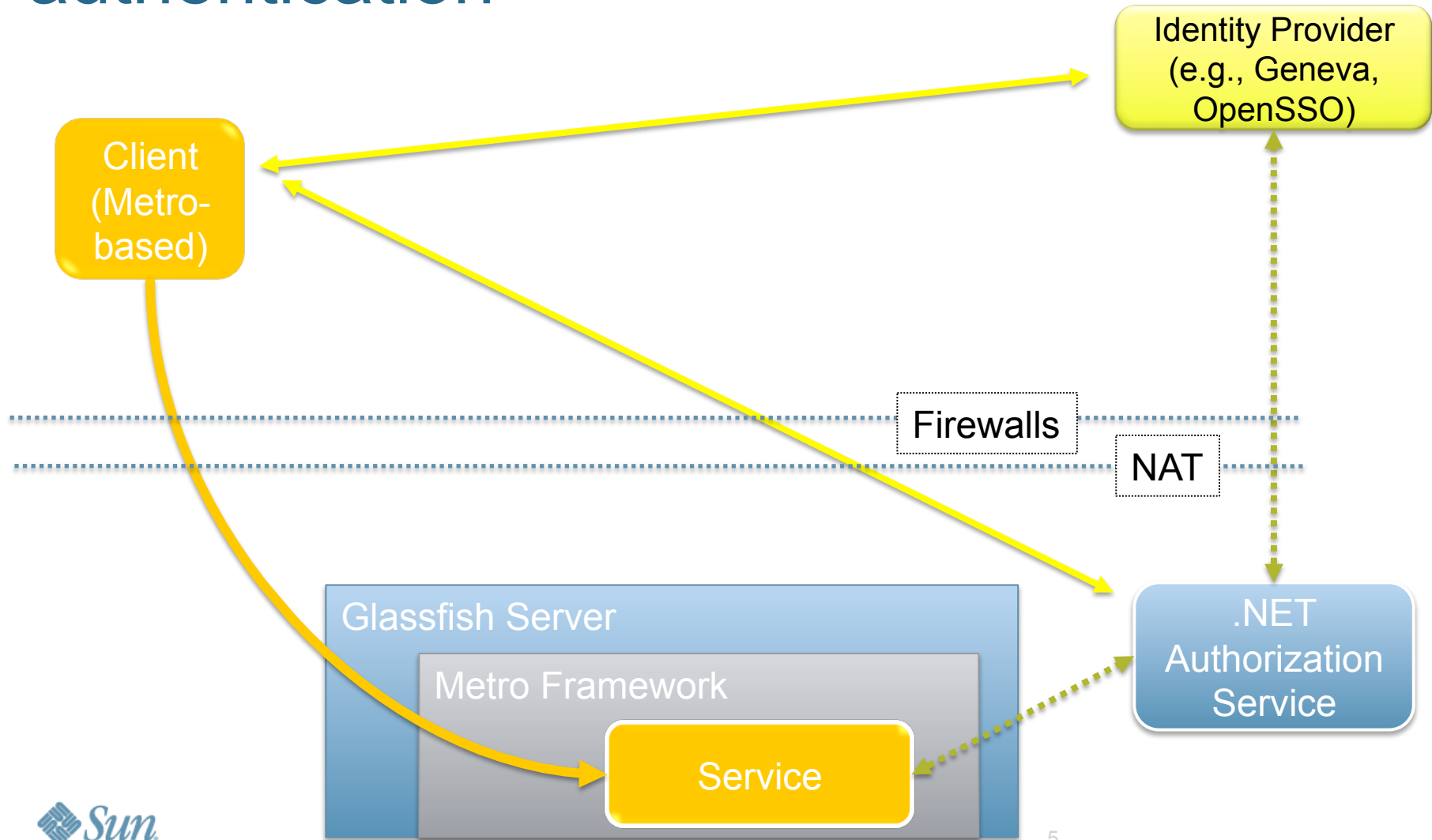
# Metro Web Services



# Problem: getting thru *all* of the net



# Problem: separating authorization from authentication



# Microsoft's Azure Services Platform

## Azure™ Services Platform



Microsoft  
SQL Services



Microsoft  
.NET Services



Live Services

Microsoft  
Dynamics CRM  
Services

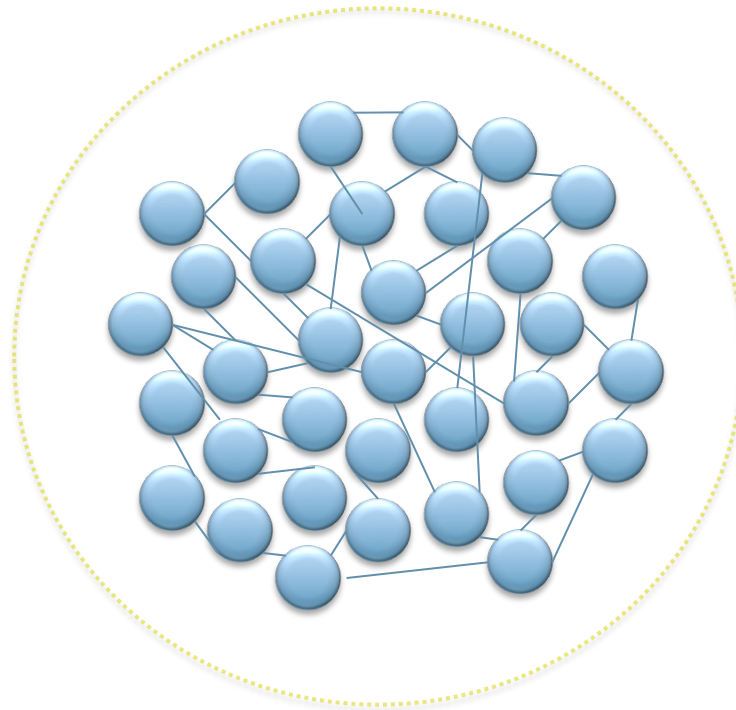
Microsoft  
SharePoint  
Services

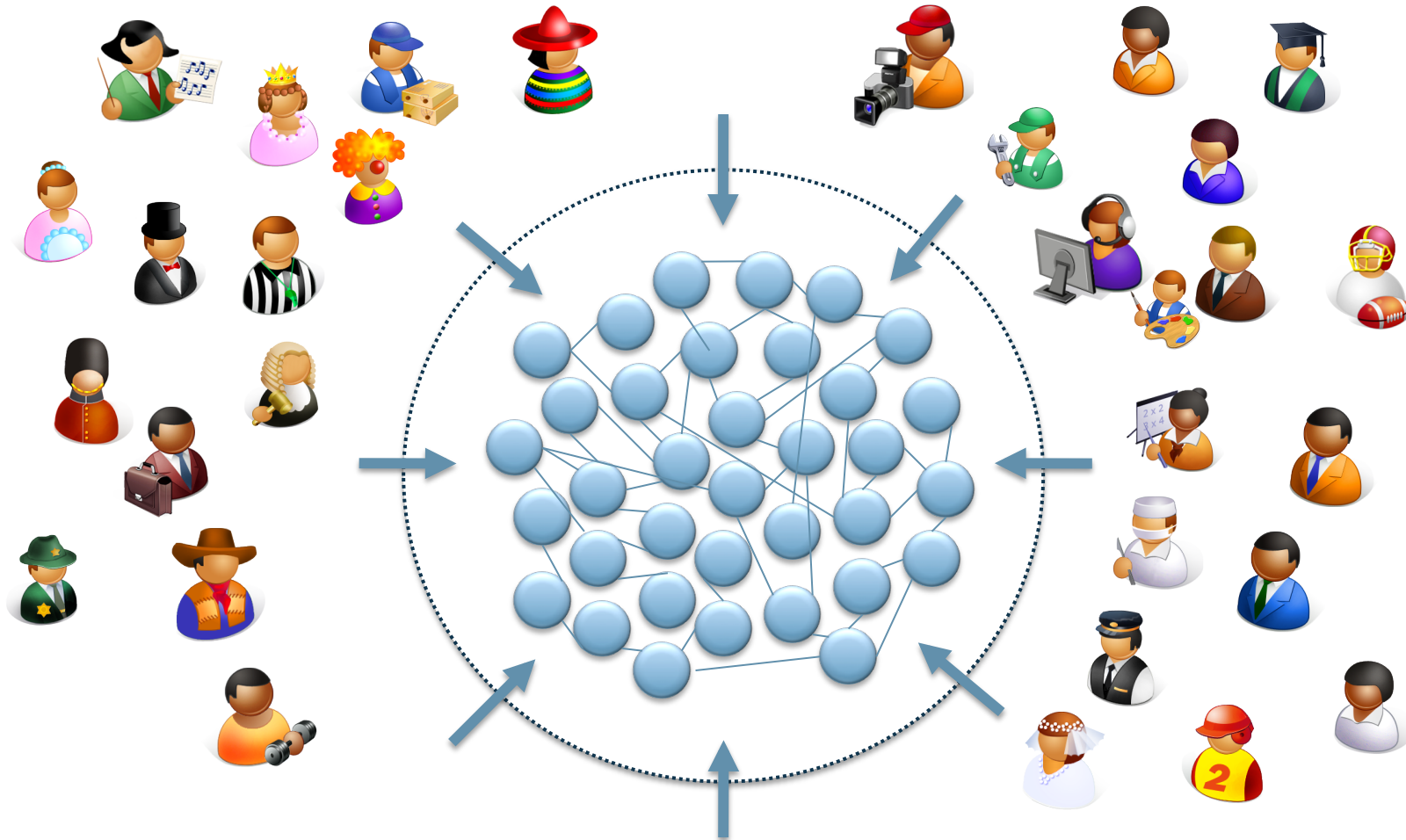


Windows® Azure™

A complete platform in the cloud. Run software 'in' the cloud, augment software with cloud-based services, or bridge between software running anywhere.

# The Web

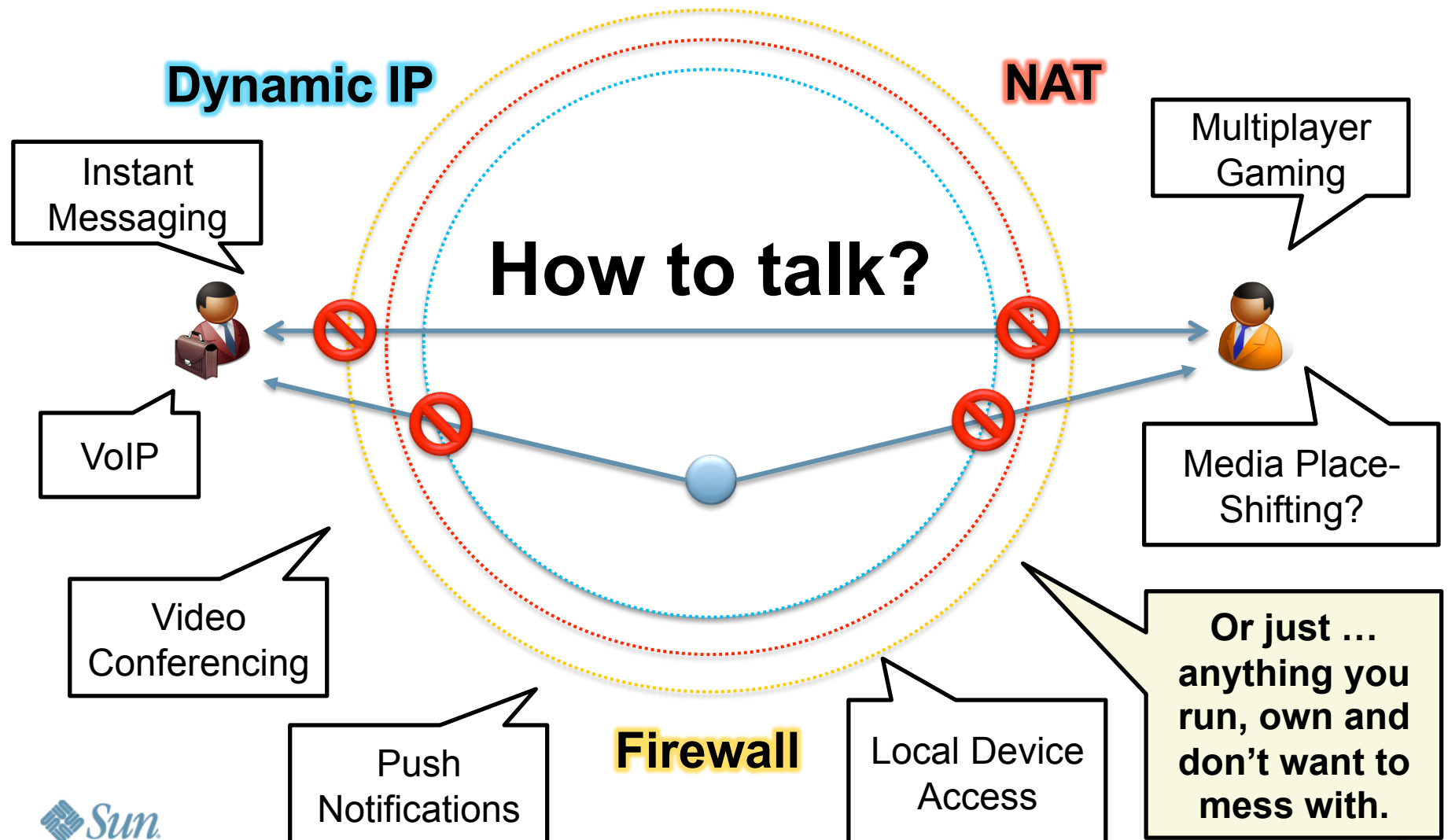




Most People and Businesses  
aren't on the Web, they're just looking in

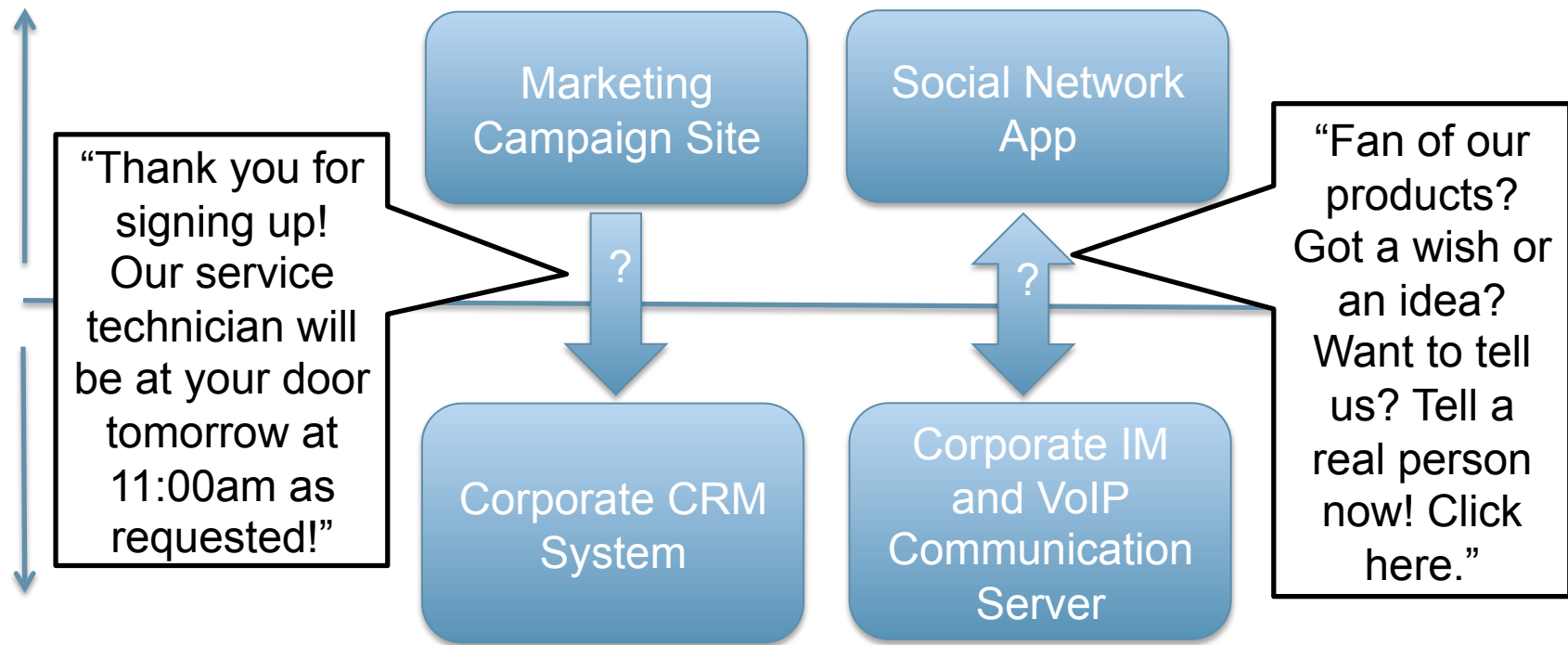


# The Web Needs Some Help...



# In Reality, “Cloud” Means “And”

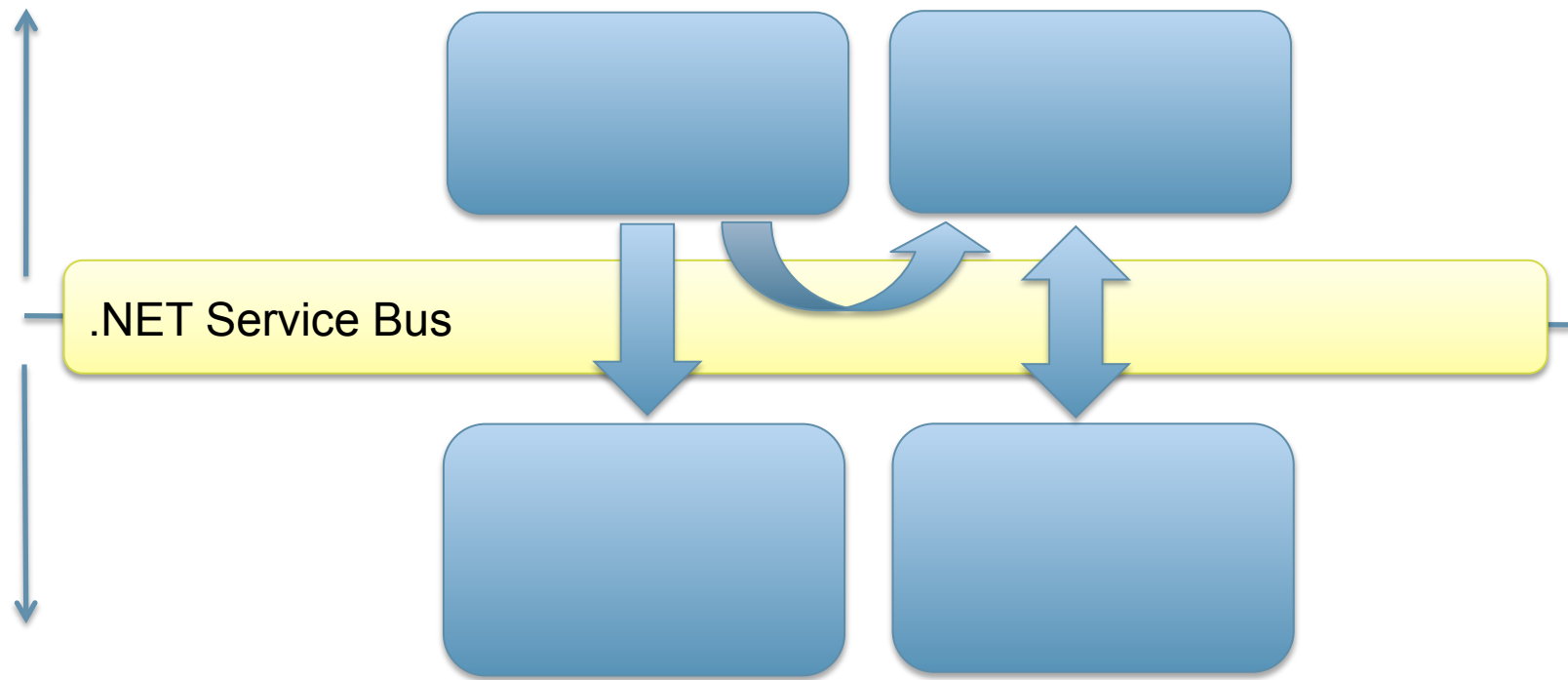
In the Cloud



On-Premises

# .NET Service Bus – It's The Glue

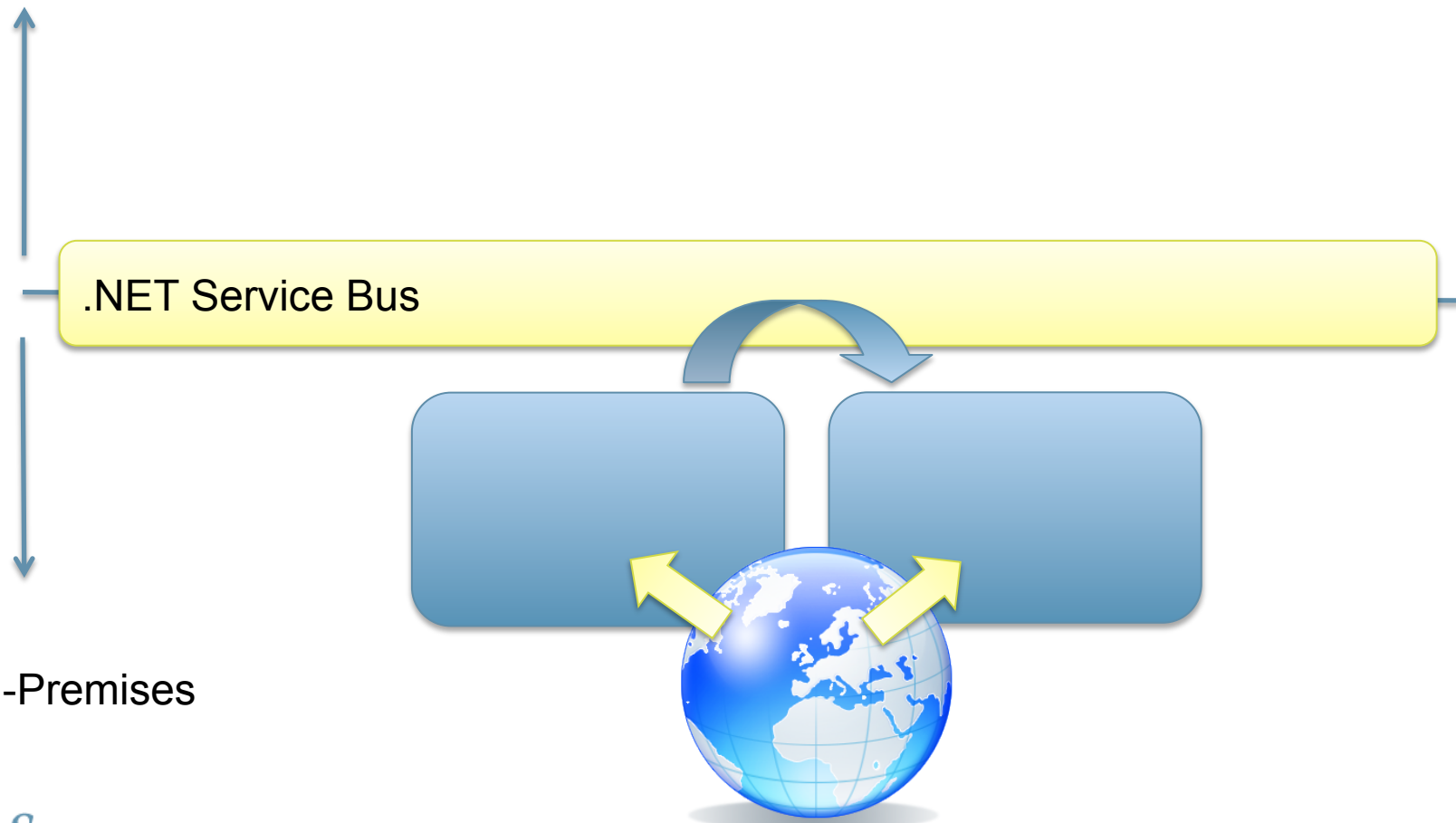
In the Cloud



On-Premises

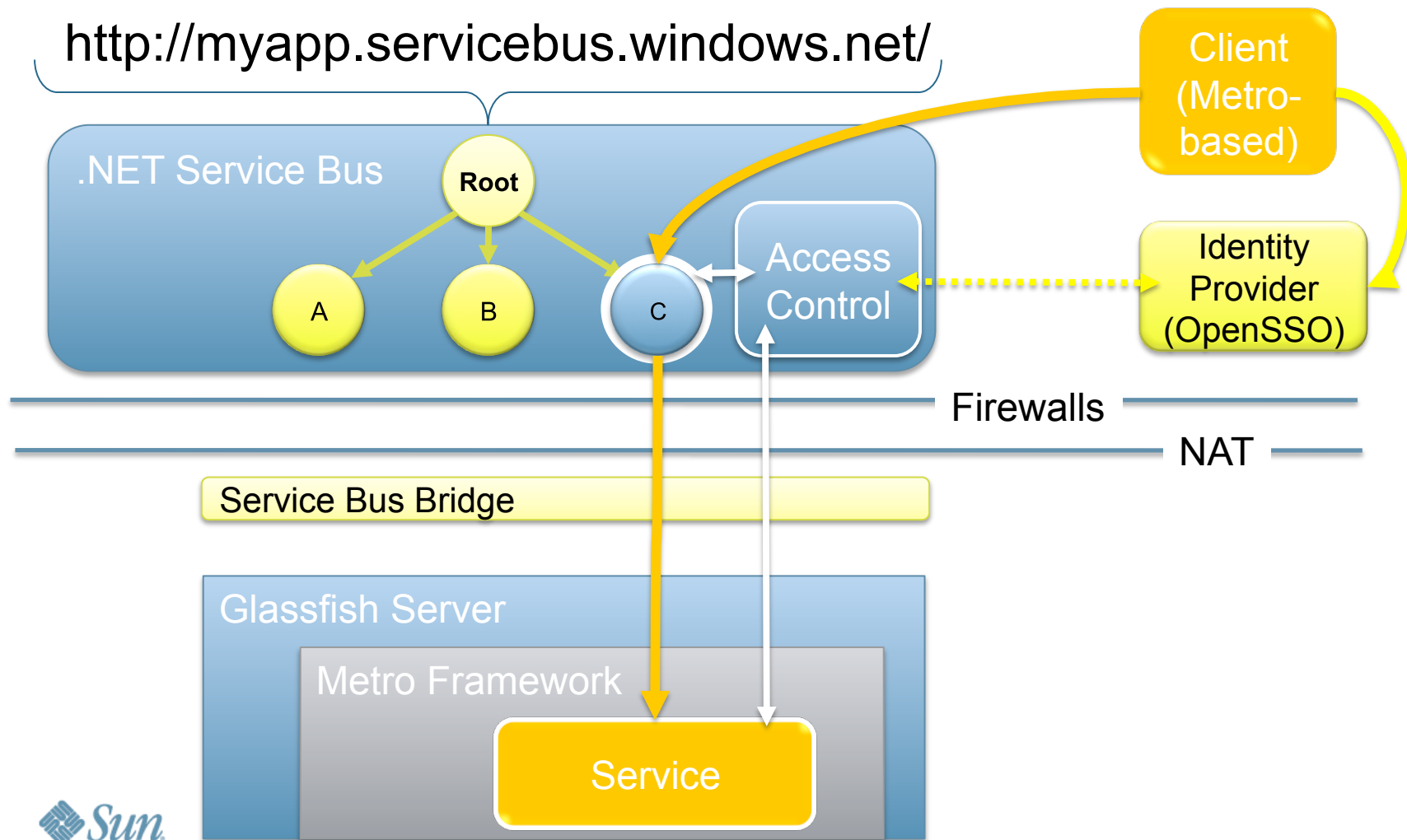
# .NET Service Bus – It's The Glue

In the Cloud

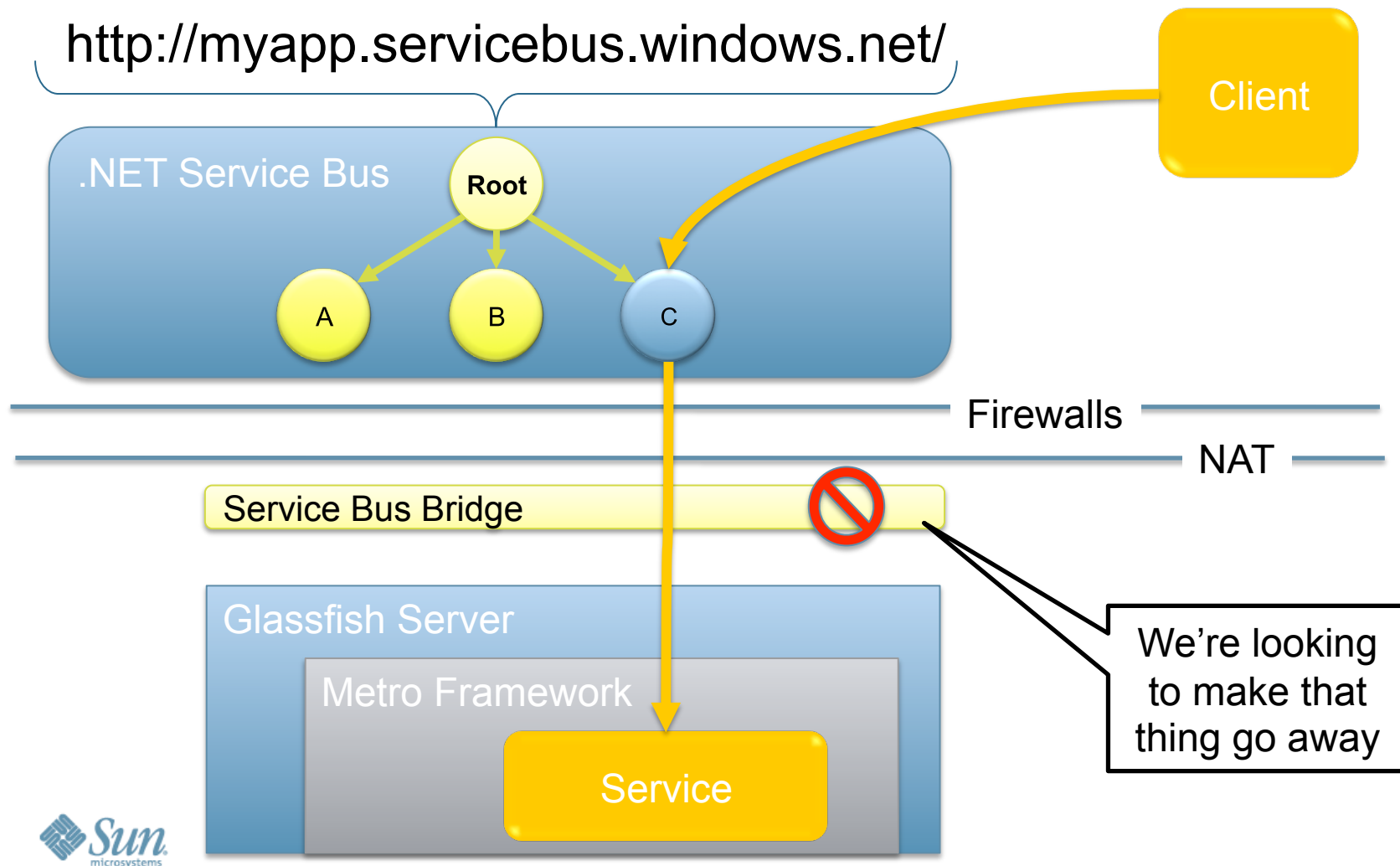


On-Premises

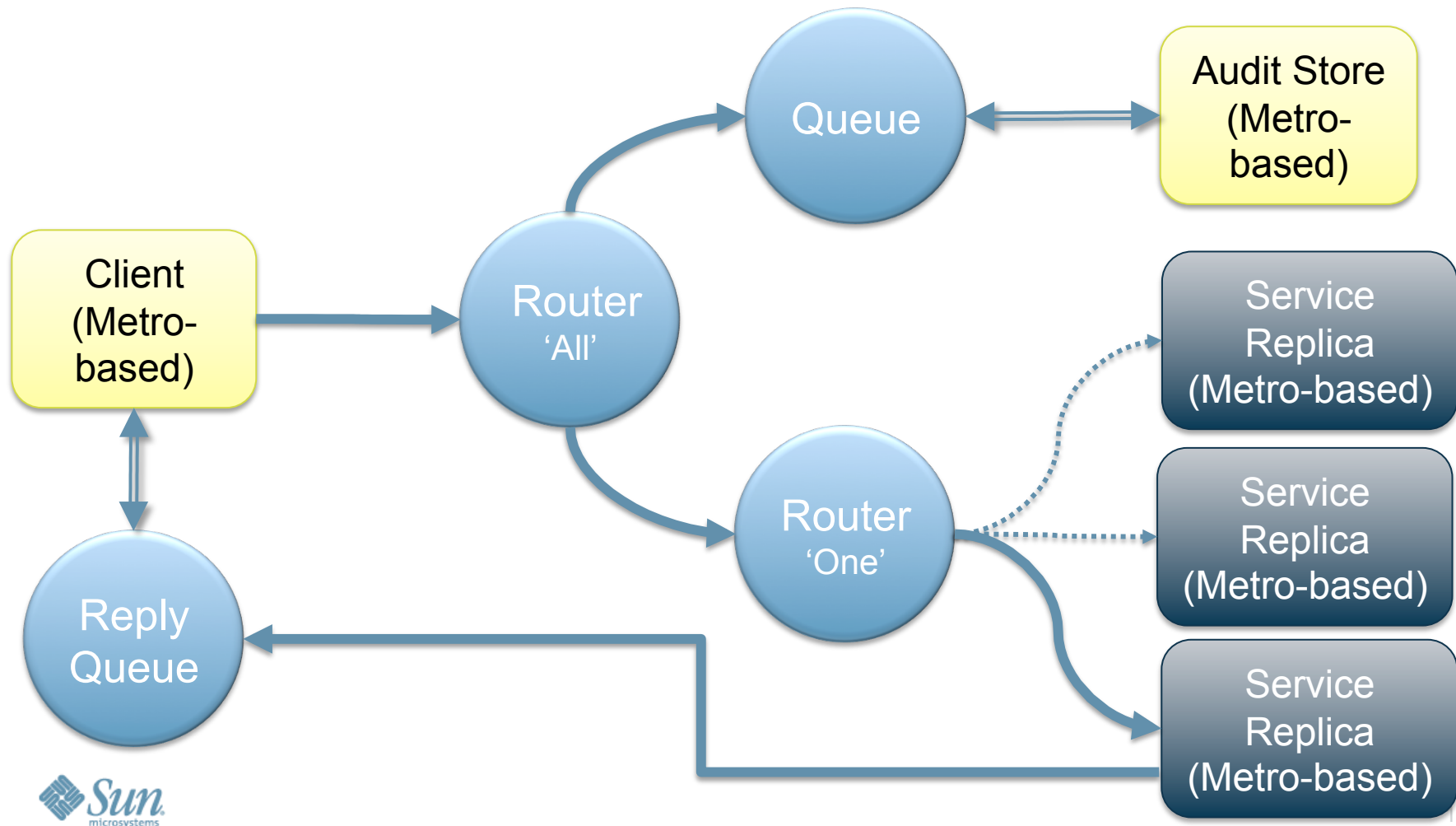
## Demo: Metro with .NET Services



## Futures:

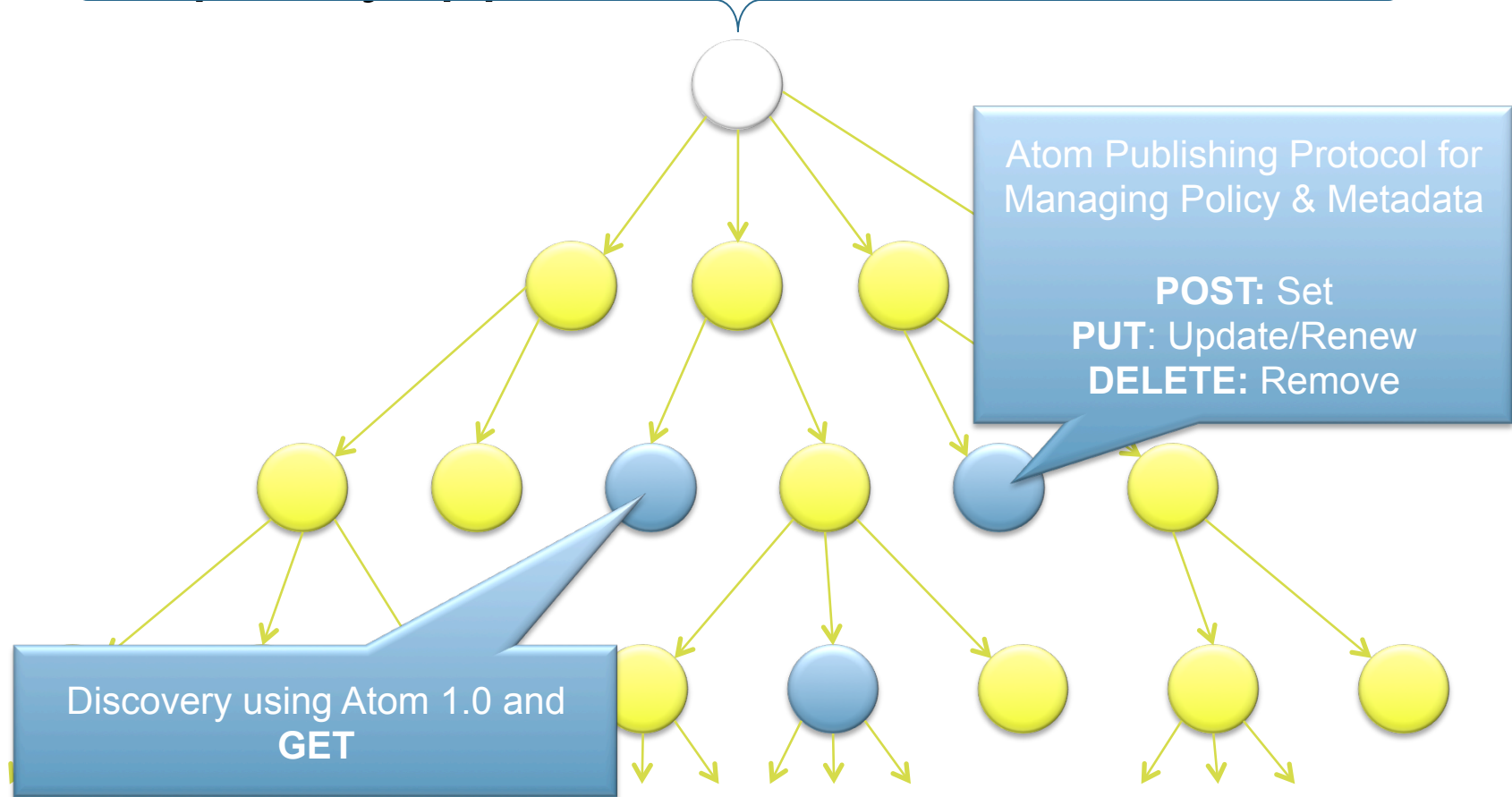


# Demo: Adding Load-Balancing & Auditing



# Digging Deeper: The Registry

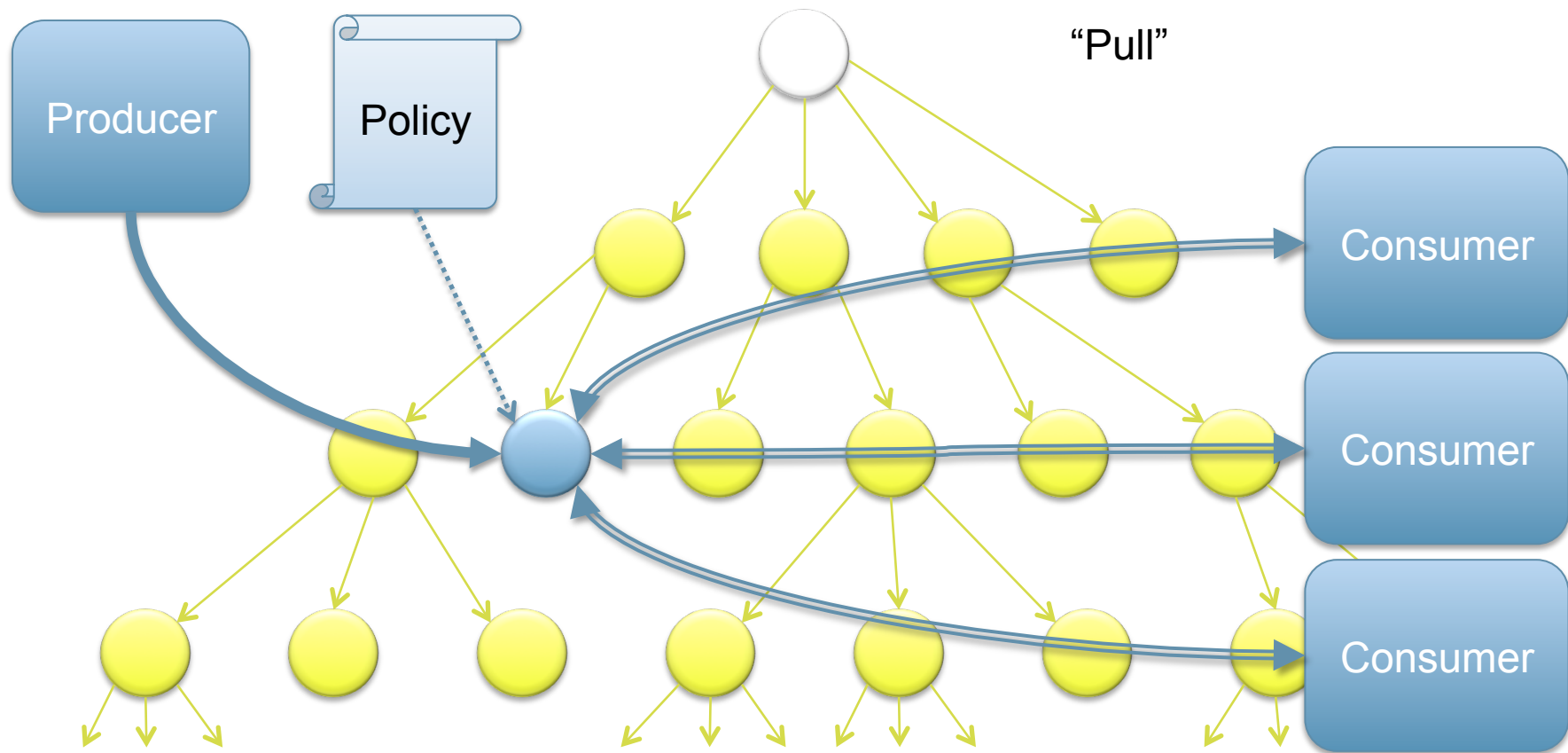
`http://myapp.servicebus.windows.net/`





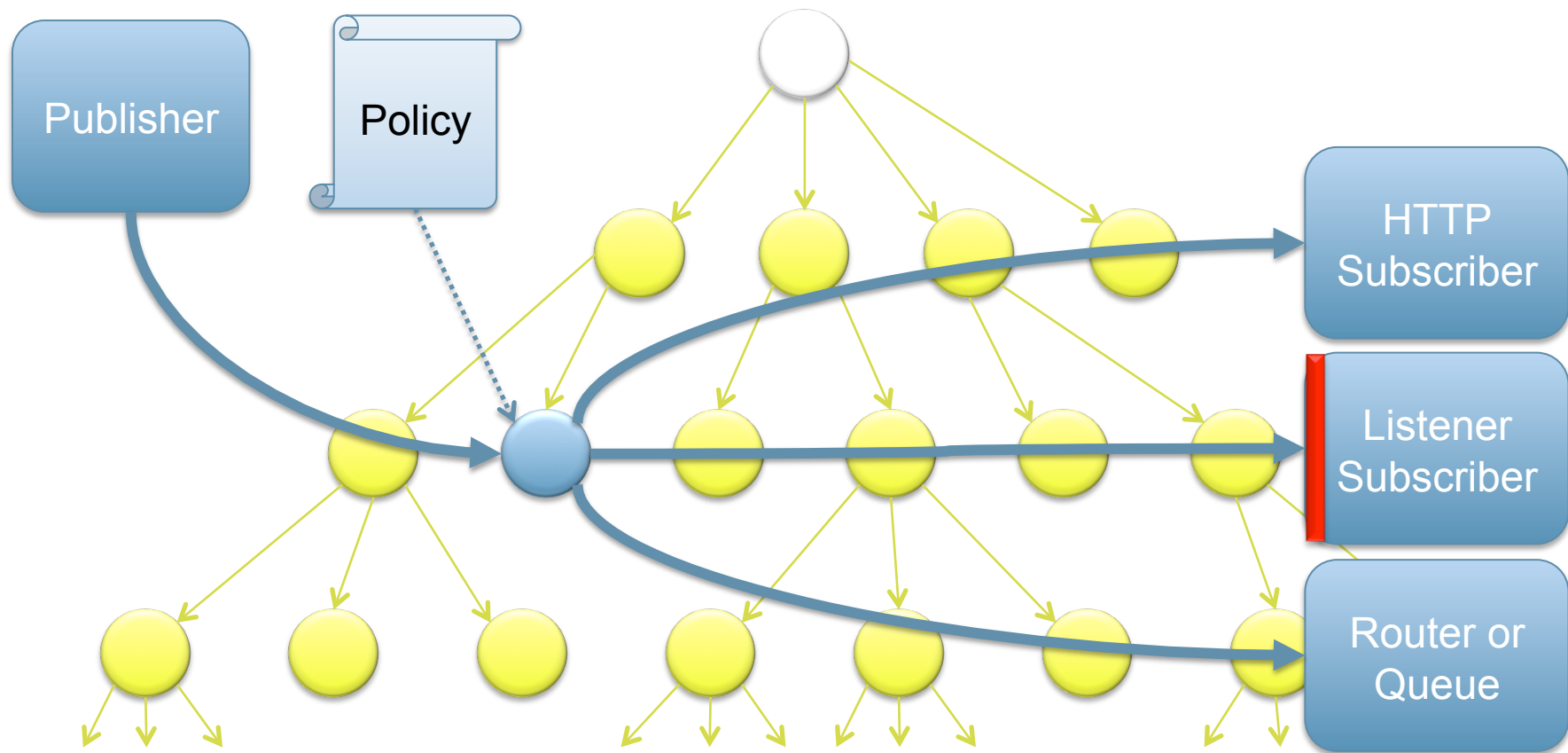
# Digging Deeper: Queues

Peek-Lock or  
Destructive Read



# Digging Deeper: Routers

Push to HTTP(S) or  
Solicit/Push to Listeners



## Summary

- > Sun and Microsoft are committed to Web Service interoperability
  - <http://metro.dev.java.net>,  
<http://opensso.dev.java.net>,  
<http://glassfish.dev.java.net>,  
<http://weblogs.java.net/blog/haroldcarr/>
- > Microsoft is very serious about making Azure Services work with Java
  - <http://azure.com>
  - <http://blogs.msdn.com/clemensv>
    - (The demo code will show up here)



# JavaOne<sup>SM</sup>

# Thank You

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