

## URI and IPv6...when is a Device not a Device (Tangential Thoughts from a Potential Business Customer)

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### Collaborative Service Networks (CSN) Project



## What Problem Are We Really Trying to Solve?

### The Problem

"There is widespread agreement within the technical community that the Internet's current system is unable to cope with the network's expansion."

### The Solution Proposed By the IPV6 Community:

"Every device attached to the Internet needs it own unique address. The "free pool" of existing addresses will run out completely in five years."

*ICANN IPv6 Fact sheet October 2007*

## Are You Sure?

### The Dilemma:

"It costs network providers time and money to move to an IPv6 system and to be able to run the existing IPv4 system alongside IPv6 (something that will be essential for some time into the future).

Although IPv6 provides incremental improvements over IPv4, its main advantage – greatly increased address space – has yet to provide a compelling case for investment. Address depletion simply has not been a major focus for many businesses.

There is currently little or no demand for a move to IPv6 from paying customers".

*ICANN IPv6 Fact sheet October 2007*

## What if We Still Run Out of IP Addresses?

GANZ Bulletinz Help Parent's Area Privacy Policy User Agreement

**Webkinz**  
Come in and Play with Your Virtual Pet!

**LOG IN**  
**NEW MEMBER**

Take a Tour Webkinz Catalog Store Locator International  
Crafty Critterz Trading Cards Customer Support Help Parent's Area

**What is Webkinz?** Bulletinz  
Webkinz pets are lovable plush pets that each come with a unique Secret Code. With it, you enter Webkinz World where you care for your virtual pet, answer trivia, earn KinzCash, and play the best kids games on the net!  
Questions about Pet of the Month? Read This.  
Announcing later hours for West Coast members  
I cannot view the full Webkinz screen  
Problem with a pack of trading cards? Read this!

Virtual Pets: 4 Million Members Buying Multiple Stuffed Toys with Unique Online Codes

## The Real Problem Is...

*Everyone's waiting for Australia*

**Don't worry about the world coming to an end today.  
It's already tomorrow in Australia.**

Charles M. Schulz US cartoonist (1922 - 2000)

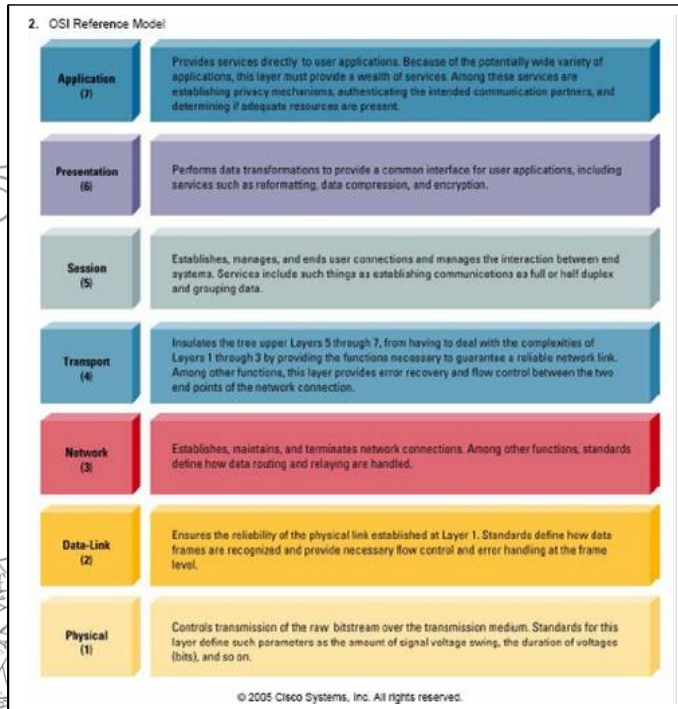
*Just Kidding* 😊

## The Real Solution ("The Killer App")

"In enterprise networks, if there is a likely scenario for an IPv6 deployment, it will be a niche deployment of IPv6. Someone will discover a facet of IPv6 networking that allows the enterprise to accomplish a particular goal quickly or cost effectively when compared to the corresponding methods in IPv4. From there, the niche deployment will expand, requiring enterprise-wide connectivity and perhaps even global connectivity."

*Burton Group, IPv6 Technology Overview V2.0, Feb 2007*

# Layer7 Switching... where the Business Action Is



Collaborative Service Networks

Application Networks

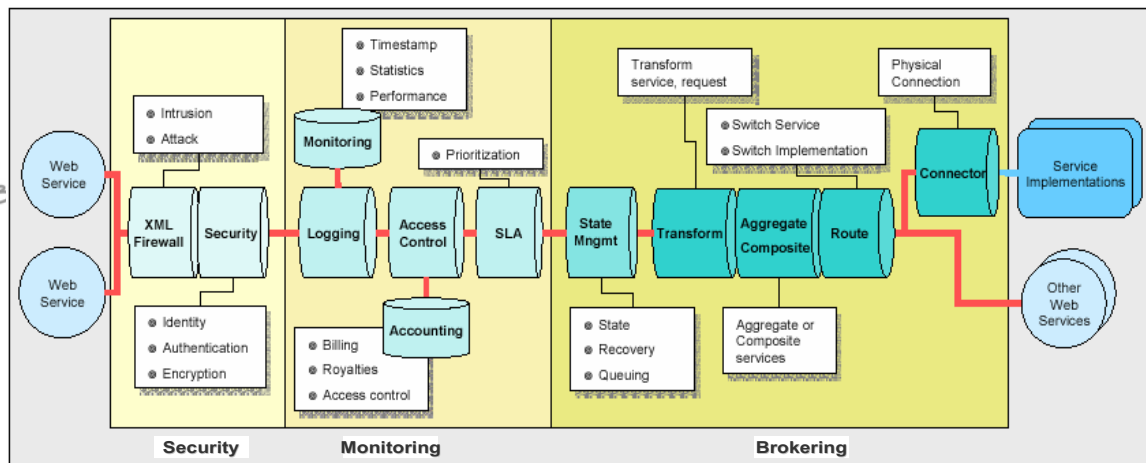
Core IP Networks

Dated March 2007

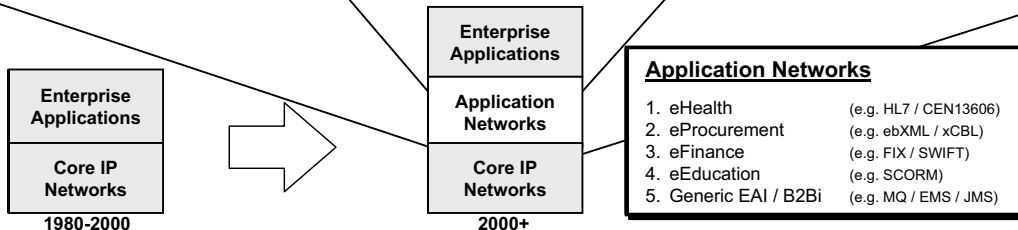
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# Cross Vertical Relationship Networks



Source: The Business Service Server (See www.chefrforum.com)

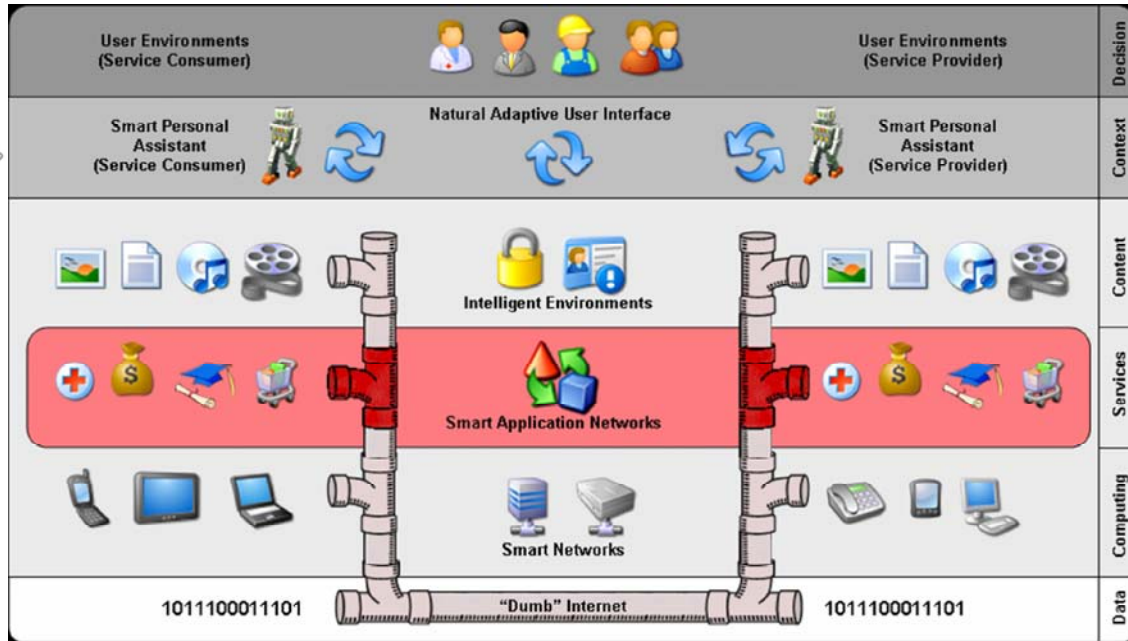


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# Why Not IP vs. DNS Based Service Routing!



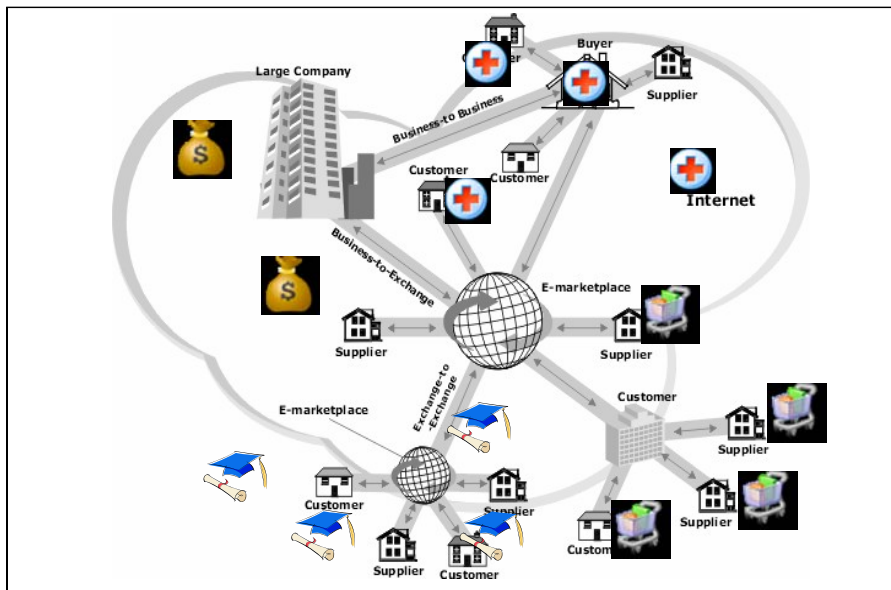
Source: ICTWave, Feb 2006

Dated March 2007

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# Duplicated Routing in L7 and L2/ L3?



Source: B2Bi and Web Services An Intimidating Task, Web Services Architect, Jan 2002

**Not In The Long Term!**

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