

# Adding Intelligence to the Network\*

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\*connectedthinking

PRICEWATERHOUSECOOPERS 

# Agenda

## **PricewaterhouseCoopers Overview**

The Issue - What belongs where ?

A Solution

The Future

Lessons Learned



22.0 billion

+17%

140,000+

771

149

425

82%

85%

Building Trust  
&  
Enhancing value

Revenue  
in USD

Revenue  
growth

People

Offices

Countries

Fortune  
500 Clients

“Good  
place  
to work”

Pride  
in PwC

Connected  
Thinking

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# Principles that help determine what functionality is in applications and what is in the Network

## Guiding principles:

- Time to market
- Agility
- Cost

# History

The Network was simple...

- It contained:
  - Circuits
  - Routers
- It provided:
  - Connectivity
  - Routing



# History

Applications were:

- Complex
- Self contained
- Difficult to complete on time
- Costly to maintain



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## A Solution

“Let the Network be the computer.”

~ Ken Olsen

Founder and former President, Digital Equipment Corporation (Retired)

## A Solution

Move functions out of the application and make them shareable:

- Increases speed
- Increases agility
- Reduces costs



# The Network is the Solution

What does this mean?

- In the mainframe days these were Callable Routines.
- Today in the “Networked” world, we call them “Web Services”



# A Solution

Functions moved out of application:

1. Directories
2. Authentication
3. Authorization
4. Search



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# The Future

Continued pressure for “quicker, better, faster” and “more agile, higher quality, less costly” will drive us all to “use the network as the computer.”



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# Lessons Learned

To achieve “the Network becoming the Computer,” you need:

- Low latency networks
- Common interfaces
- Standards
- Cooperation across development communities
- Sharing



# Questions?