

Sun's Vision and the Openwings Reality

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Sun's Founding Principles 1982

UNIX

Open Systems

The Network is the Computer



Sun's Big Bets 1995



Internet



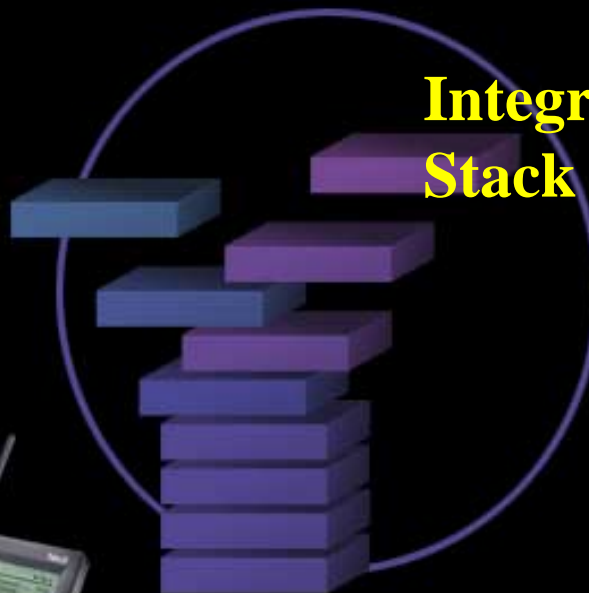
Bandwidth



Sun's Big Bets 2000



Massive Scalability



Integratable Stack



Continuous Realtime Availability



The Service Driven Network





Supporting the Net Effect

Webs for the '00s *Bill Joy*

Near Web

Mouse + Menu + Keyboard
Mature, Fragile

Biz Web

N-Tier, B2B
Healthy, J2EE, etc

Far Web

Entertainment, Broadband
Bandwidth Constrained

Weird Web

Voice Interaction
First in Cars then clothing,
buildings, etc.

Here Web

Nomadic Computing
PANs
J2ME, Bluetooth

Pervasive Web

- Device to Device, no GUI
- Persistent nets, Jini





Maintaining the Net Effect

The WebTone Switch

- 911 Style Availability
- Redundant Network Architectures
- Realtime information that cascades through Architecture

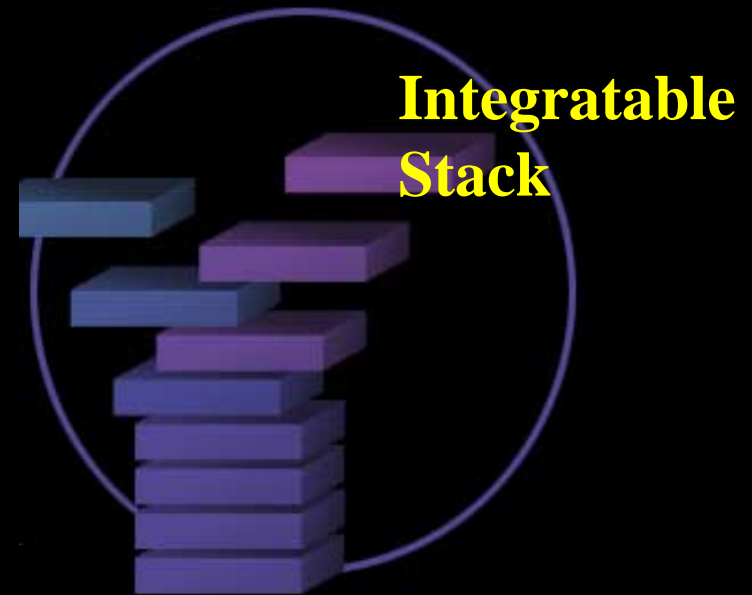


**Continuous
Realtime
Availability**



Building the Net Effect

Open Standard Interfaces
Community Source Programs
Component-Based Network Services





Openwings: Realization of the Vision



**Community
Source**

**Open
Systems**

The Network is the Computer



Partners in Advancing Technology

