

Microsoft .NET and HP Net Results Program

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agenda

- Why Web Services?
- Web Services and Microsoft .NET
- HP Net Results
- Delivering .NET
- Summary

why web services the reality of change: business success is a moving target



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the "virtual" company business demand = everything connected

company A

company B



Return on People

- Unlock data for better decisions
- Drive productivity anytime, anywhere, any device
- Build on existing skills, familiarity

Return on Process

- Intrinsic integration, open standards
- Faster time & lower cost to benefit
- Brokered web services
- Reinvigorate existing systems, processes

Return on Relationships

- Deeper engagement
- Visibility for innovation at all levels of org
- Flexibility to act on opportunity
- Respond quickly and well
- New revenue, venues

Return on IT Infrastructure

- Flexible interoperability
- Lower total cost of ownership
- Embrace, maximize mobility
- Support heterogeneous environment
- Market leading manageability, performance, integrity

the agile business

Return on Customer Centricity

- Connecting withCustomers
- New Opportunities
- Rapid response to customer needs

Return on People

- Productivity and Efficiency
- Communication/ Collaboration
- Employee Satisfaction

Return on Business Processes

- Time/ Cost to Benefit
- Integration
- Process Efficiency

Return on IT Infrastructure

- Flexibility
- Integrity
- Fast Payback

connection imperative implications and challenges

Solution shift from single app to constellations
Multi-system, multi-company, multi-audience
Information flow is now primary requirement
Mandate to connect "islands" of information

Integration "hurt" has reached breaking point

- Systems not designed to work together
- Interoperability an afterthought
- Expensive, hard, time consuming, brittle

Current model can't keep up with business

maximizing return



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web services and Microsoft .NET

- Work started in 1997
- Microsoft bet the company on this with .NET in 2000
- Major impact on all software systems: OS, database, Office
- Industry-wide adoption critical
- Services competition on implementation



Disconnected, Stovepiped

Inaccessible information

- Can not be used and leveraged across the enterprise
- Can not be shared between enterprises



web services standards

Simple definition: An application designed to talk to other applications Industry standards:

eXtensible Markup Language (XML) – industry standard universal data format that allow applications and systems to connect

Simple Object Access Protocol (SOAP) – common protocol for exchanging data that allows systems to communicate and make requests

Web Service Description Language (WSDL) – standard format you need to describe the functions, parameters, and results of an XML Web service

Universal Description, Discovery, and Integration (UDDI) – Internet "yellow pages" for businesses to discover each other's services

www.ws-i.org

- Industry initiative for Web services
 - More than 50 companies signed up so far
- Interoperability across platforms, applications and languages
- Delivering:
 - Web Services testing and implementation guidance
 - Web Services profiles helping with adoption and support for key Web Services standards
 - Roadmaps to help customers understand long term directions for Web Services Evolution

www.ws-i.org



analysts on Microsoft .NET

".NET is a brilliant strategy that enables Microsoft to define the next shift in the software business." - Gartner Group

"Everyone should build on the XML/SOAP foundation." - Meta Group

"Gartner believes Microsoft is now providing more vision and influence regarding this shift than any other vendor."
Gartner Group
".NET is a leading example of what we believe the vendor."

".NET is a leading example of what we believe will be the dominant architectural model for the third generation of Internet applications." - Patricia Seybold Group Gartner Magic Quadrant Major Vendor Web Services Platform Influence



*Source: Gartner Research, 9/13/2001

Microsoft .NET

Software for connecting information, people, systems and devices Built on a foundation of XML Web services

XML web services

Connected Business

Agility to connect more deeply with customers, integrate with partners and empower employees

Connected Experiences

Information anytime, anywhere, any device

Connected Systems

Integrate new and existing systems across the organization, and externally with partners

Connected Development Quickly build solutions

that interoperate across languages, platforms and devices

.NET results program

Net results represents \$45M investment from HP/Microsoft to drive incremental \$1B revenue Investment Includes:

- Dedicated Sales teams
 - •100+ sales/technical personnel
- Dedicated Support teams
 - •16+ person swat team
 - Existing trained resources
- Certifying over 3000 consultants



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FRONTLINE PARTNERSHIP

Focused On:

- -.NET/Visual Studio vs J2EE
 - •Web Services
 - Mobility
- -Enterprise application integration (EAI)
- -Corporate Web Presence
- -Trading partner integration
- -Intranet and Portals
- -Business Intelligence (BI)

traditional architecture challenge



Need to integrate internal systems to connect with partners, customers, and employees Current options required hard coding, proprietary systems

Review - Exchange and Web Services



web services enterprise architecture



what about my legacy applications?

Expose data/Web Services

- Integrate apps, leverage existing systems

Custom App Migration to Visual Studio .NET

- Visual Basic, C++/C#
- Legacy code

Integrated Support For Multiple HW Platforms via Compact Framework

- Server, Desktop, Tablet, Mobile



Design, Build, Integrate, Manage, Evolve

- Architecture where is my data, and where does it need to be?
- What is my roadmap?
- What effort is required?
- What is my ROI?
- How do I manage it?

hp Services and Microsoft .NET positioned to win The complete solutions value chain



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delivering net results .NET and web services supply chain solution



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Microsoft .NET - Alchemy



Microsoft .NET - Alchemy

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HP and Microsoft: summary

- HP has been implementing Web Services since inception
- Integrating Unix and Windows
- Microsoft's approach represents the cleanest approach to Web Services
- Standards based
- Testing and verification toolsets being developed HP/Microsoft have made .NET and Web Services a cornerstone of their relationship
- HP Services is the largest partner implementing Microsoft .NET technologies today



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