Interoperability

A foundation for e-health services

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Interoperability

It is what customers want....
Interoperability as foundation for e-health

- De facto heterogeneous world
- Intelligent “interconnected” devices
- Integrated repositories – integrated processes
- “Cloud” and “online” services as part of the ecosystem
Interoperability has Multiple Aspects

“Connecting people, data, and diverse systems”
Interoperability lets you assemble the right mix of technologies

Interoperability = choice + flexibility
- Products from different vendors
- Licensed and open source software
- Legacy and new applications
- Multiple platforms
- Multiple citizen access channels
- In-house, hosted or in the cloud

Solution that matches your specific business requirements
Microsoft Interoperability Principles

- Ensuring Open Connections
- Data Portability
- Enhanced Support for Standards
- Open Engagement

Applies to these products:
- Windows Vista™ including the .NET Framework
- Windows Server™ 2008
- Office 2007
- Office SharePoint Server 2007
- SQL Server™
- Exchange Server™ 2007

Interop Principles are key for e-health strategy
Microsoft’s Approach to Interoperability

Working openly with others to foster choice and innovation

- **Products**: Deliver interoperability in Microsoft products and technologies
- **Collaboration**: Work jointly with partners, competitors, governments and the open source community
- **Standards**: Promote interoperability through new and existing standards
- **Developer Resources**: Make it easier to develop products that interoperate with Microsoft solutions

Customer Input and Feedback
MS Involvement in Health and Related Standards Development and Policy Organizations

AHIC
Consumer Empowerment Workgroup

HiL
Diamond Member

HiMSS

AHIP

SAFE-BioPharma

AOA

OASIS

IHE

ASTM

CEN

nehta

caBIG

CDISC

National Institute for Health and Clinical Excellence

INSTITUTE OF MEDICINE
OF THE NATIONAL ACADEMIES
Roundtable

Canada Health Infoway
Inforoute Santé du Canada

National Health Security Information Technology System

National Health Security Information Technology System

International Standards Organization

NeHTA

CAQH

eHEALTH INITIATIVE

HiSP

enabling healthcare interoperability

SAFE

Simplifying healthcare administration

eRx

National ePrescribing Patient Safety Initiative

nehta
Connected Health Framework Architecture

User Processes

Business Processes

Connected Health Services Hub

Integration Services

Service Component Interface

Data Access Logic Components

Collaboration Services

Presentation and Point of Access Services

Identity Management Services

Privacy and Security Services

Service Publication and Location

Shared Services

Data Services

System Management Services

Communication Services

Communication

Operations Management

Security

AGILE

STABLE
Some real e-health assets

Product offerings
- Amalga (HL7 v 2.x)
- Healthvault (CCR and CCD import/export)

Solution accelerators
- Health Connection Engine (HCE) - standard webservices suite
- Cross Enterprise Document Sharing (IHE XDS.b)
- Microsoft Health Common User Interface [http://www.msctui.net](http://www.msctui.net)
Conclusions
Interoperability is a foundation for e-health

- Interoperability is a design criterium of IT systems
- MS is committed to interop (products, standards, communities)
- MS offers the best platform, solution accelerators, and solutions for E-health
More Information

Sites
- Microsoft in Health: http://www.microsoft.com/health
- Architecture & Technology for the Health Industry: http://www.microsoft.com/HealthIT
- Microsoft and interop http://www.microsoft.com/interop

Blogs
- EMEA Health Blog: http://blogs.msdn.com/ms_emea_health_blog
- Dr Bill Crounse HealthBlog http://blogs.msdn.com/healthblog
- Peter Neupert on Health Blog http://blogs.technet.com/neupertonhealth