

Project Mardi Gras

HIPAA Compliant Web Applications

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Our Goal

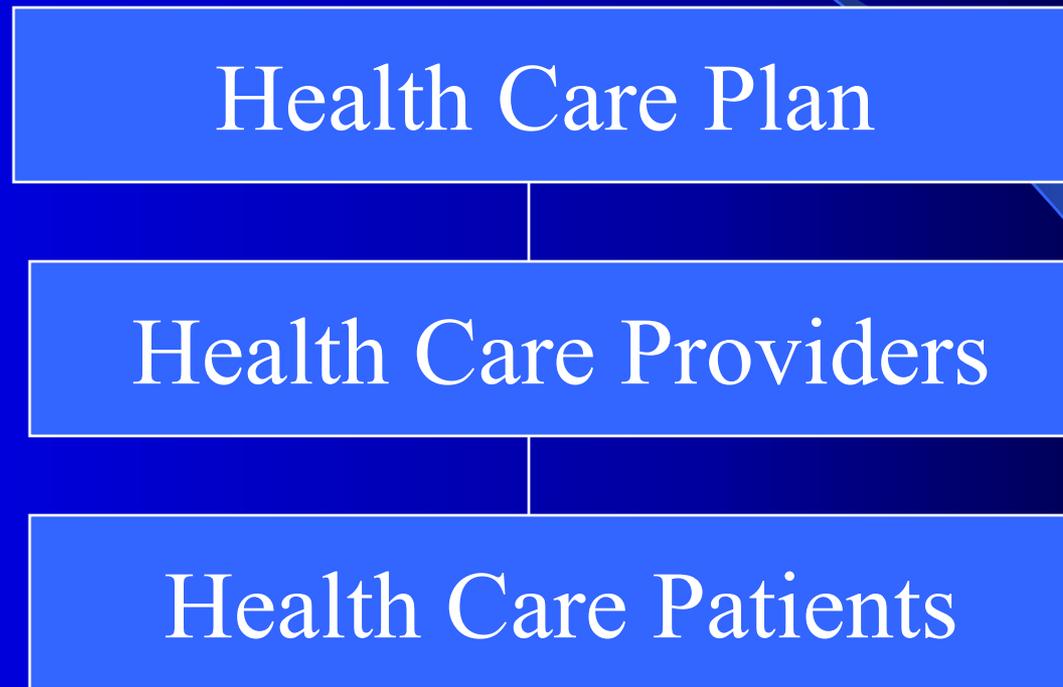
- Improve the health of our population by:
 - Building, retaining, and efficiently managing a quality provider network that is focused on delivering healthcare
 - Improving the delivery of information to management so better policy decisions can be made

Path

- Establish a standards-based system that enables secure access to data
- Build information services that support real-time healthcare administration
- Make the administrative procedures become a by-product of the clinical process

**Establishing and maintaining standards
enables us to fulfill this goal**

The Chain of Fulfillment



The Web as it exists today

Web Browser (HTML)

Email (IMAP4,SMTP,POP3)

Secure / Non Secure HTTP HTTPS

Useful for Human Browsing and email

Usages of the Web in Medicaid today

Information distribution (Static,Dynamic)
Primarily HTML (limiting)

Payer Centric

Each provider has to navigate a new web site architecture to communicate with each payer

Meeting the Challenge —
with limited resources

Use the Web to exchange the
HIPAA transactions

Application to Application

Not Person to APP

Emerging Infrastructure – web services

.NET

Microsoft and Partners

40% Market Share

J2EE

Sun Microsystems

IBM

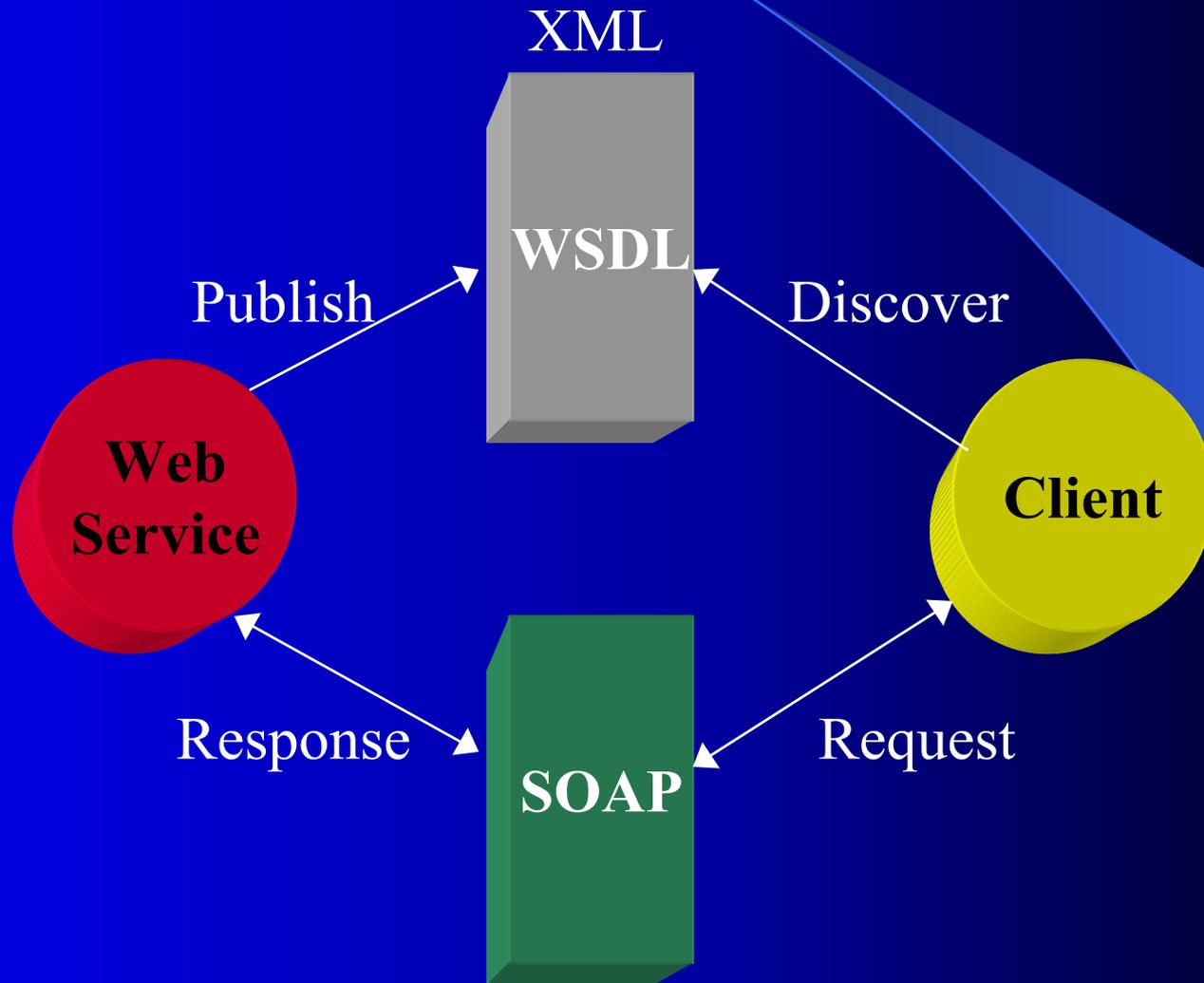
BEA

Oracle

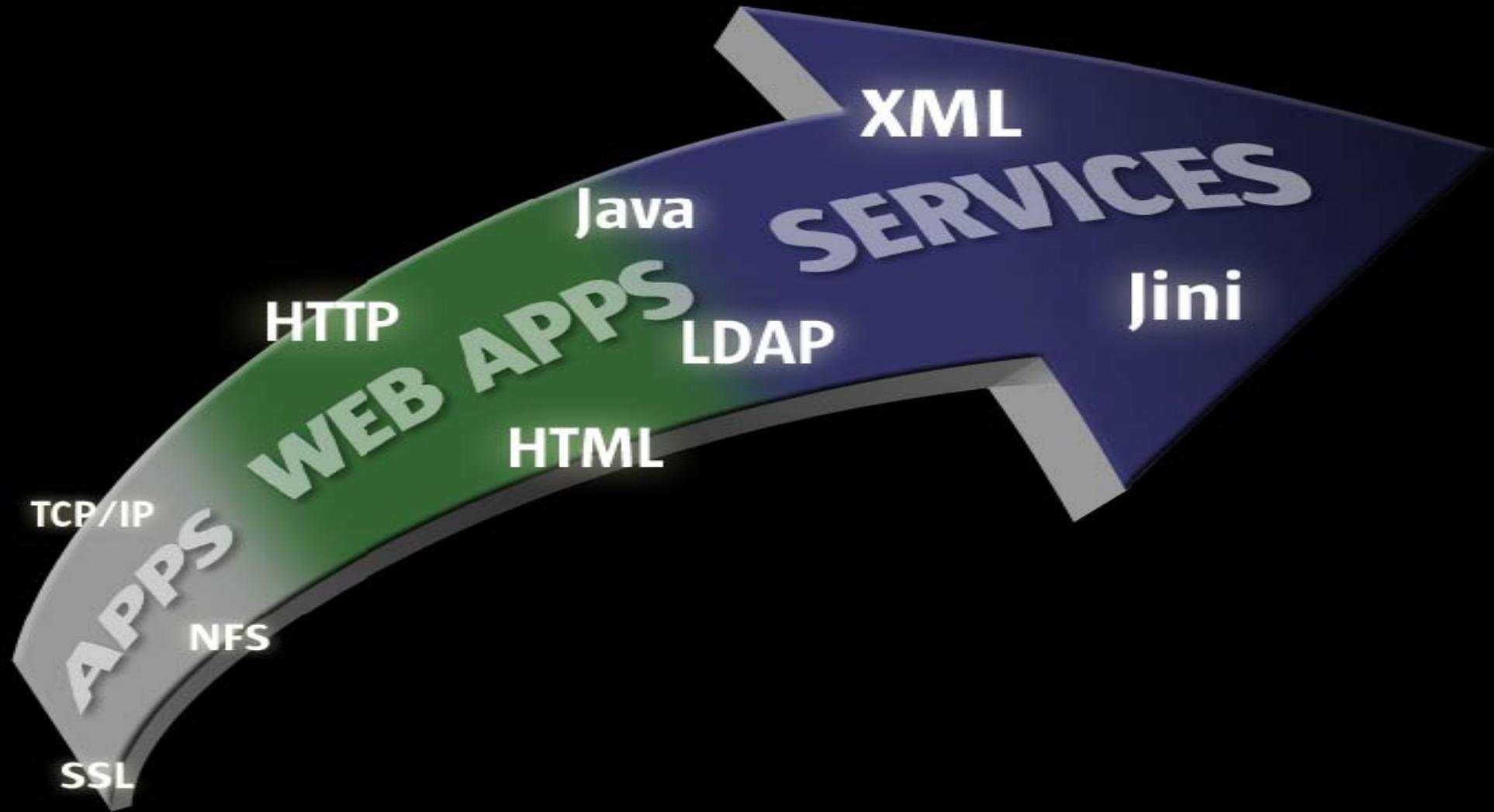
Others

40% Market Share

Web Services – seamless plug and play



Web Services – evolution not revolution



Web Services – platform is critical to success

- Analysts view the choice of Internet platform as biggest decision for IT in this decade
- Need a platform that is complete, scalable, mature, and, most important, open
- Need a platform that gives you flexibility to add new services, servers, and users quickly
- Need a platform that will let you move to web services but leverage current investments

Web Services — advantages

- Standards based to allow interoperability, integration, and communication between different platforms
- Promotes a modular approach to programming so that organizations can reuse the same web services/ components to communicate with multiple organizations
- Employs an existing infrastructure (a network such as the web) to exchange information
- Can significantly reduce the cost of application integration and business-to-business communications thus offering tangible returns on investment

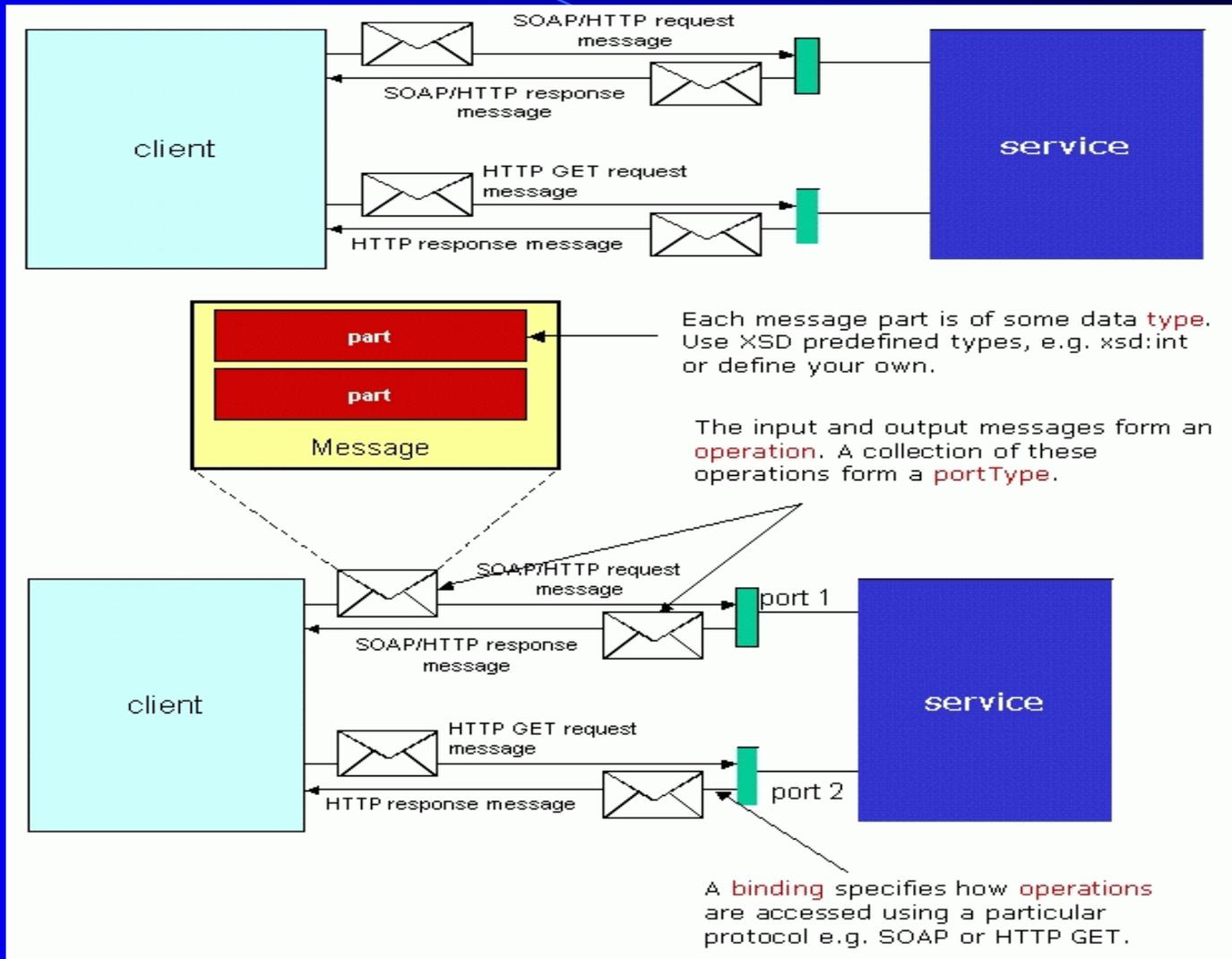
Web Services – publishing and using

Web services published on the Internet have associated WSDL documents which contain the definition of the web service. The WSDL document specifies the web service's capabilities, its location on the web, and instructions regarding how to access it.

Web Services – publishing and using (The Three Ingredients)

1. **SOAP** (*Simple Object Access Protocol*) is an XML-based standard for allowing an application to access and use the functions of another, across the Internet and while maintaining platform independence.
2. **WSDL** (*Web Services Description Language*) is an XML grammar used to describe and publish a web service's capabilities to the Internet (<http://www.w3.org/TR/wsdl/> / <http://schemas.xmlsoap.org/wsdl/>)
3. **WSDL** is used in conjunction with **UDDI** (*Universal Description, Discovery and Integration*), a virtual yellow pages that allows a business to list its own available web services and discover those of others.

Basics of how WSDL works



<http://www.webservices.net/uszip.asmx>

Web Services – beyond a web browser

- Direct application-to-application
(no user interaction)
- Future devices (PDAs, TVs, etc.)
- Java/C# graphical user interfaces

Web Services – applicability to decision support

- Make better decisions with a WS-based application?
- Impact in development – faster, cheaper?
- Developments to watch closely
- Recommendations / next steps
- Opportunity to share your WS experience with DS applications

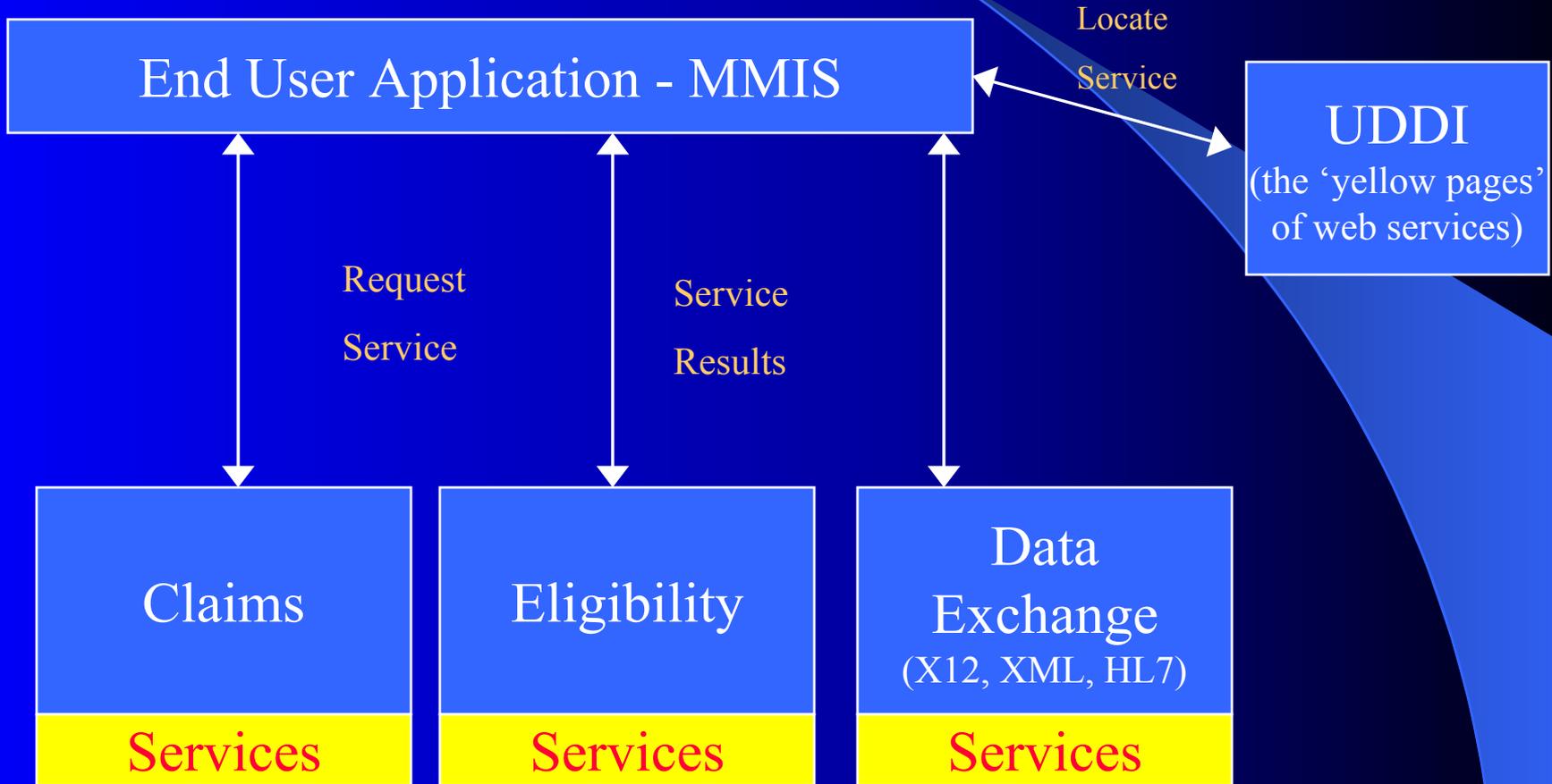
Web Services – reusing technology

What web services are needed by
Medicaid?

Some examples:

- Claims Submission
- Claims Status
- Eligibility
- Eligibility Determination and Verification
- Reporting
- Prior Authorization
- Claim Status

Web Services – reusing technology



Questions and Answers

