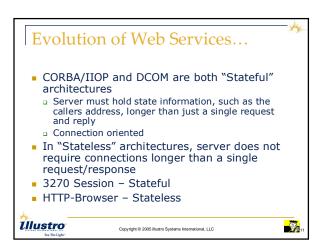


■ In the 1990s as LANS continued to multiply, new standards were developed for extending these frameworks across networks ■ OMG - Internet Inter-ORB Protocol (IIOP) ■ Microsoft - Distributed COM (DCOM) ■ Sun - Remote Method Invocation (RMI) for Java ■ Using Remote Procedure Call (RPC), components call components across the network ■ But only within the component architecture—not interoperable

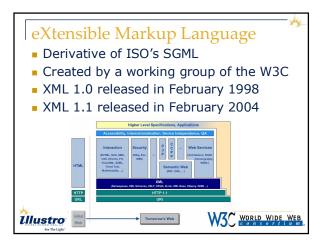




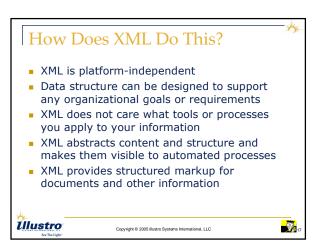


Applications work well within similar networks, and same architectures Many cases they are tied to vendor definitions—DCOM Windows, CORBA/IIOP-Java Advent of Internet made the "network" extremely large and decentralized Synchronous, stateful interactions aren't feasible





Benefits Offered by XML Open design standards Non-proprietary definition Part of the "computing democracy"" Allows information reuse Improved lifecycle management Increased availability of enterprise information Locate and deliver information efficiently Configurable information appearance

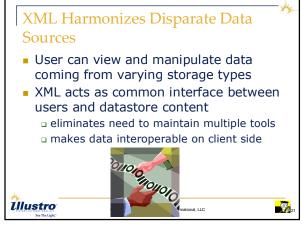


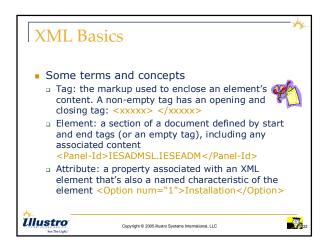


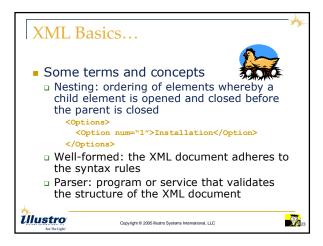


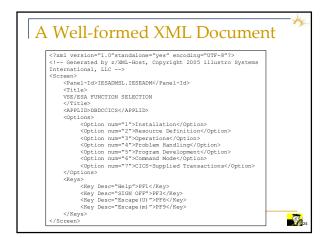
Structure, Format and Content Documents contain two kinds of information Format and content Format provides clues to structure Helps end users understand the document Provides a framework for the content





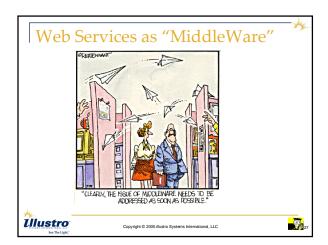




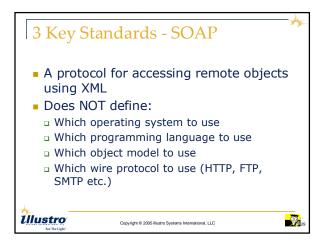


Reason it works so well is all "partner" systems agree on the markup content A "map" is used to specify the particulars Document Type Definitions (DTDs) and Schemas Both specify how a documents elements work together to create a specific structure Many different industry defined Schemas You can create your own for intra-development XML Document processor uses the Schemas to validate the document



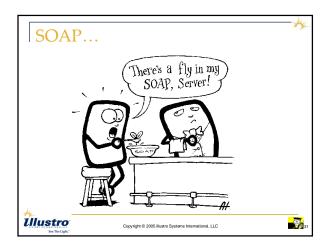


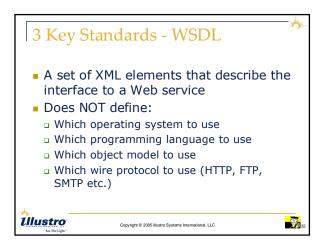


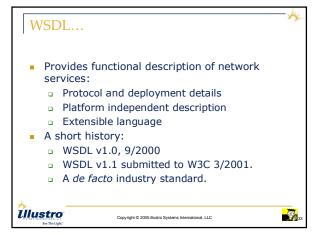






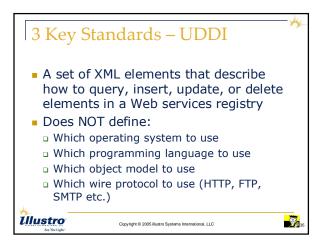


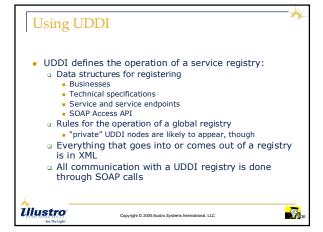






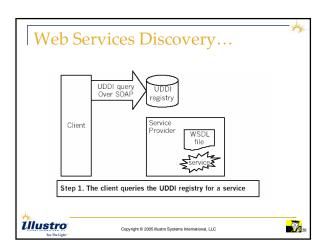
Allows industries to define standardized service interfaces Allows advertisement of service descriptions, enables dynamic discovery and binding of compatible services Used in conjunction with UDDI registry Provides a normalized description of heterogeneous applications Copyright © 2005/Butto Systems International, LLC Copyright © 2005/Butto Systems International, LLC

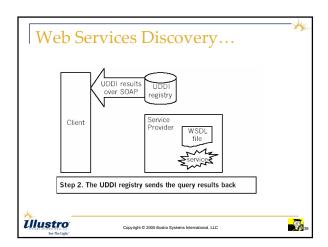




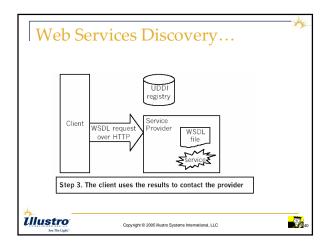


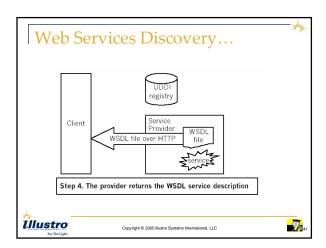
One of the most powerful concepts of Web Services is services discovery All of the key pieces of information to be given to the SOAP client can be given at runtime Quick example of how SOAP, UDDI and WSDL work together Copyright © 2005 (Buddo Systems Intermedical, LLC) To The Lagac.

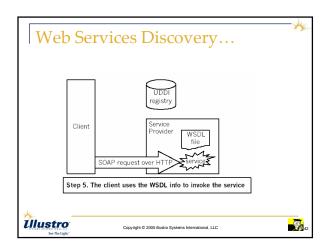




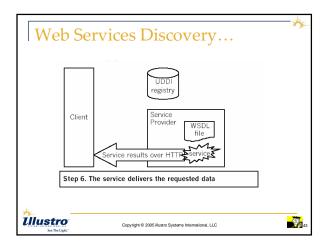




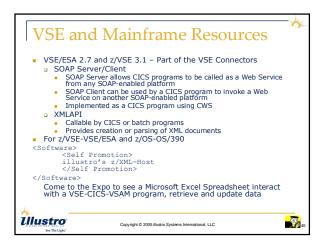






















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| | Even More Information! | |
| | XML and Web Services 201 – Chuck Arney | |
| ١ | Monday at 10:30 a.m. in Gold Camp Room | |
| ı | .Net Programming Example with VSe | |
| ١ | □ Monday at 3:00 p.m. in Gold Camp room | |
| | Vilustro Vilustro | |

