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XML·WEB SERVICES ONE CONFERENCE + EXPO Development Solutions for the Enterprise

KEY XML SPECIFICATIONS AND STANDARDS

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Community Vocabularies

Math & Sciences

Chemistry
- ChemML
- CIDX

Astronomy
- Astronomical Dataset Markup Language (ADML)

Math & Numerics
- MathML
- Extensible Data Format
- OMDoc
- OpenMath

Public Sector

Legal
- LegalXML

Government
- Election Markup Language (EML)
- Parliamentary Language (ParlML)

Education
- Schools Interoperability Format (SIF)

Publishing & Print
- NewsML
- PRISM
- papiNet
- DocBook
- Open eBook Forum (OeBF)

Life Sciences

Biotech
- BIOML
- Bioinformatic Sequence ML(BSML)
- GAME
- GEML

Healthcare
- Health Level 7 (HL7)

Finance

Financial Transactons
- Financial Products ML (FpML)
- Interactive Financial Exchange (IFX)
- OpenFinancial Exchange (OFX)
- ISO 15022 XML
- FinXML
- MDDL

Financial Documents
- Extensible Business Reporting Language (XBRL)
- Research Infomation Exchange ML(RIXML)
- Information Research ML (IRML)

Insurance
- ACORD

Real Estate
- Mortgage Industry Standards Maintenance Org.(MISMO)
- Real Estate Transaction ML(RETML)

Customer Info
- CPExchange
- ExtensibleName/Address Lnagueg (xNAL)
- Extensible Customer Information Language (xCIL)
- Extensible Customer Relationship Language (xCRL)

Land / Construction
- Architecture, Engineerng, Construction XML (aecXML)
- LandXML
- Navigation Markup Language (NVML)

Travel / Food
- Open Travel Alliance (OTA)
- RecipeML

Human Resources
- HR-XML

Message-Oriented Specifications

E-Business Vocabularies
- Open Applications Group (OAGIS)

RosettaNet
- Data Dictionaries

E-Marketplaces
- ARIBA cXML
- CommerceOne xCBL
- Open Buying on the Internet (OBI)

E-Commerce / EDI
- XML/EDI
- XML Voucher
- Internet Open Trading Protocol (IOTP)
- Universal Business Lanngage (UBL)

User Interface

Web Services
- Web Services for Interactive Applications (WSIA)
- Web Services Experience Language (WSXL)
- Web Services User Interface (WSUI)
- Web Services for Remote Portals (WSRP)

Workflow / Process

Web Services
- Web Services Flow Language (WSFL)
- Web Services Conversation Language(WSCL)
- XLang
- Business Process Modeling Initiative (BPMI)

RosettaNet
- Partner Interface Process (PIP)

ebXML*
- Business Process Specification Schema (BPSS)

- Business Transaction Protocol (BTP)
- Open Applications Group (OAGIS)

Registry

Web Services
- Universal Description, Discovery, and Integration (UDDI)

ebXML*
- Registry / Repository

Service

Web Services
- Web Service Definition Language (WSDL)
- Web Service Endpoint Definition (WSEL)

RosettaNet
- Partner Interface Process (PIP)

ebXML*
- Collaboration Protocol Profile / Agreement (CPP/A)

Messaging

Web Services
- Simple Object Access Protocol (SOAP)
- XMLProtocol
- XML-RPC
- Web Data Distributed Exchange (WDDX)

RosettaNet
- RosettaNet Implementation Framework (RNIF)

ebXML*
- Message Service Specification (MSS)

Transport Protocol
- Jabber
- Blocks Extensible Exchange Protocol (BEEP)
- (HTTP / SMTP / FTP)

Document-Oriented Specifications

Security

Encryption
- XML Key Management Specification (XKMS)
- XMLEncryption

Authentication
- XMLDigital Signature
- XMLCommon Biometric Format (XCBF)

Authorization
- Security Assertion Markup Language (SAML)
- Extensible Access Conrtol Markup Language (XACML)

Privacy
- Platform for Privacy Preferences (P3P)
- Plaform for Internet Content Selection (PICS)

Digital Rights Management
- Extensible Rights Management Language (XrML)
- Open Digital Rights Language (ODRL)

Content

Content Management
- Content Services
- Web Distributed Authoring and Versioning (WebDAV)
- DeltaV
- DAV Searching and Locating (DASL)

Content Syndication
- Internet Content Exchange (ICE)
- RDF Site Summary (RSS)

Semantics

Resource Description
- Resource Description Framework (RDF)

Ontology
- Darpa Agent Markup Language +Ontology Inference Layer (DAML+OIL)
- Ontology Web Language (OWL)
- ISO13250
- Ontology Markup Language (OML)

Topic Maps
- XML Topic Maps (XTM)

Presentation

Graphics / Multimedia
- Scalable Vector Graphics (SVG)
- Synchronized Multimedia Integration Language (SMIL)
- Extensible 3D (X3D)
- Virtual Reality Markup Language (VRML)
- DIG35

Web
- XHTML
- XForms
- LogML

Voice
- VoiceXML
- Speech Application Language Tags (SALT)
- Call Control XML(CCXML)

Telecommunications
- Wireless Markup Language (WML)
- Call Processing Language (CPL)

Internet & Computing

Directory
- Directory Services Markup Language (DSML)
- dirXML
- Active Digital Profile(ADPr)
- Service Provisioning Markup Language (SPML)

Internationalization
- Translation Memory Exchange (TMX)
- XLIFF

Device Interface
- SyncML
- Universal Plug-n-Play (UPnP)

Database
- XQuery
- Common Warehouse Metadata Interchange (CWMI)

Instant Messaging / P2P
- Jabber
- Instant Messaging and Presence Protocol (IMPP)

Core XML Specificatons

Document Linking
- XLink
- XPath
- XPointer

Style & Transformation
- Extensible Stylesheets Language (XSL)
- XSL Formtting Objects (XSLFO)
- XSL Transformatons (XSLT)

Schema & Validation
- XMLSchema
- RELAXNG
- TREX
- Schematron
- Schema for Object-oriented XML(SOX)

Extensible Markup Language (XML)

Legend of Specifications:

- Data Interchange Standards Association (DISA)
- IDEAlliance
- Internet Engineering Task Force (IETF)
- International Organization for Standardization (ISO)
- Organization for the Advancement of Structured Information Standards (OASIS)
- World Wide Web Consortium (W3C)

Other

* ebXML specifications are jointly managed by OASIS and UN/CEFACT

About this Poster

With over 450 XMLstandards in existence, it's hard to figure out what they all do, and on which to focus. In this poster, ZapThink identifies some of the key standards impacting the industry today, and how they relate to each other.

The standards landscape is constantly shifting,and this poster provides the best way to view it all in a single glance.

The XMLstandards landscape can be divided into four main sections:the Core XML standards that establish the basis for all XML-based technologies, Message-oriented Specifications that allow machines to communicate with each other, Document-oriented Specifications that help provide meaning to document content, and Community Vocabularies that help vertical industries, communities,and user groups of all types communicate. In addition,this poster identifies the key specification creating bodies and the specifications they originate.

In this poster: we have represented over 135 of the key specifications influencing the standards landscape. We have done our best to accurately represent the standards on this poster, but with the landscape changing frequently, this represents a snapshot in the timeline of XML.

Please submit feedback, corrections,suggestions,or compliments to info@zapthink.com

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