

XML and Databases

Paul Cotton,
XML Standards Program Manager
Microsoft Corporation

Query Languages - Today

- Many data repositories (relational, object-oriented, object-relational, text, semi-structured data, etc.)
- Many query languages (SQL, OQL, SQL-1999, Z39.50, WebDAV, SQL/MM Full-Text, etc.)
- W3C XPath 1.0 for simple XML queries

Query Languages - Future

- W3C XML Query 1.0 (and XPath 2.0) for complex XML queries
 - Aligned with W3C XML Schema 1.0
 - Strongly typed functional languages
 - Powerful enough for XML searching and data integration applications
- Standard query language for XML:
XQUERY