XML Resources

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Abstract
Learning resources for the eXtensible Markup Language (XML).
This publication is available in Web form\(^1\) and also as a PDF document\(^2\). Please forward any comments to tcc-doc@nmt.edu.

Table of Contents

1. Learning XML ......................................................................................................................... 1
2. Standards ................................................................................................................................ 1
3. Tools for maintaining XML documents ...................................................................................... 2
4. Learning XSLT and XSL Formatting Objects ............................................................................... 2
5. The Document Object Model (DOM) ......................................................................................... 2

1. Learning XML
XML is a standards-based technique for creating, maintaining, and presenting structured information.

• Local resources at the NM Tech Computer Center\(^3\).
• XML in 10 points\(^4\)
• Cover Pages\(^5\) by Robin Cover at oasis.com.
• www.xml.com\(^6\): Lots of XML resources put up by O'Reilly, publishers of many excellent books on XML.
• The XML FAQ\(^7\) (Frequently Asked Questions)

2. Standards
Adherence to standards means you are less likely to be stranded by the whims of individual software suppliers.

\(^1\) http://www.nmt.edu/tcc/help/pubs/xml/
\(^2\) http://www.nmt.edu/tcc/help/pubs/xml-resources.pdf
\(^3\) http://www.nmt.edu/tcc/help/xml/
\(^4\) http://www.w3.org/XML/1999/XML-in-10-points
\(^5\) http://www.oasis-open.org/cover/xmlIntro.html
\(^6\) http://www.xml.com/
\(^7\) http://www.ucc.ie/xml/
3. Tools for maintaining XML documents

There are many XML tools. These two are open-source, cutting-edge tools for creating document types and documents.

- **XML document authoring with **emacs nxml-mode**: An XML-aware editor that continuously validates your document as you create it.
- **Relax NG Compact Syntax**: A schema language, for describing XML document types.

4. Learning XSLT and XSL Formatting Objects

XSLT is a language for transforming and presenting XML files. XSL-FO is a standard for describing formatting, primarily for print presentation.

- **XSLT Reference**: includes XPath.
- **XSL concepts and practical use** by Paul Grosso and Norman Walsh.
- The XPath standard.
- The XSLT standard.
- **The xsltproc tool**, an open-source XSLT processor installed at NM Tech.
- The XSL (Formatting Objects) standard: Warning! Large and dense.

5. The Document Object Model (DOM)

The Document Object Model is a language-independent interface to be used by computer programs for reading, modifying, and writing XML files.

- Robin Cover's DOM page.
- W3C’s DOM page.
- **Python and the XML Document Object Model (DOM)**

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8 http://www.w3.org/
9 http://www.xml.com/axml/testaxml.htm
10 http://www.oasis-open.org/
11 http://www.nmt.edu/tcc/help/pubs/nxml/
12 http://www.nmt.edu/tcc/help/pubs/rnc/
13 http://www.nmt.edu/tcc/help/pubs/xslt
14 http://nwalsh.com/docs/tutorials/xsl/xsl/
15 http://www.w3.org/TR/xpath
16 http://www.w3.org/TR/xslt
17 http://xmlsoft.org/XSLT/xsltproc2.html
18 http://www.w3.org/TR/xsl/
19 http://xml.coverpages.org/dom.html
20 http://www.w3.org/DOM/
21 http://www.nmt.edu/tcc/help/pubs/pyxml/
• Documentation for the Python DOM modules\textsuperscript{22}.

\textsuperscript{22}http://www.python.org/doc/current/lib/module-xml.dom.html