

# XML Resources



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## Abstract

Learning resources for the eXtensible Markup Language (XML).

This publication is available in Web form<sup>1</sup> and also as a PDF document<sup>2</sup>. Please forward any comments to [tcc-doc@nmt.edu](mailto:tcc-doc@nmt.edu).

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## 1. Learning XML

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

- Local resources at the NM Tech Computer Center<sup>3</sup>.
- XML in 10 points<sup>4</sup>
- *Cover Pages*<sup>5</sup> by Robin Cover at [oasis.com](http://www.oasis.com).
- [www.xml.com](http://www.xml.com)<sup>6</sup>: Lots of XML resources put up by O'Reilly, publishers of many excellent books on XML.
- *The XML FAQ*<sup>7</sup> (Frequently Asked Questions)

## 2. Standards

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

<sup>1</sup> <http://www.nmt.edu/tcc/help/pubs/xml/>

<sup>2</sup> <http://www.nmt.edu/tcc/help/pubs/xml/xml-resources.pdf>

<sup>3</sup> <http://www.nmt.edu/tcc/help/xml/>

<sup>4</sup> <http://www.w3.org/XML/1999/XML-in-10-points>

<sup>5</sup> <http://www.oasis-open.org/cover/xmlIntro.html>

<sup>6</sup> <http://www.xml.com/>

<sup>7</sup> <http://www.ucc.ie/xml/>

- [www.w3.org](http://www.w3.org/)<sup>8</sup>: Most of the important standards such as XML, XHTML, XSLT, XSL Formatting Objects, and so on.
- *The annotated XML standard*<sup>9</sup> in highly accessible, heavily cross-linked form.
- [oasis-open.org](http://www.oasis-open.org/)<sup>10</sup>, an industry consortium hosting a number of additional useful standards.

### 3. Tools for maintaining XML documents

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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*<sup>11</sup>: An XML-aware editor that continuously validates your document as you create it.
- *Relax NG Compact Syntax*<sup>12</sup>: A schema language, for describing XML document types.

### 4. Learning XSLT and XSL Formatting Objects

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

- *XSLT Reference*<sup>13</sup>: includes XPath.
- *XSL concepts and practical use*<sup>14</sup> by Paul Grosso and Norman Walsh.
- The XPath standard<sup>15</sup>.
- The XSLT standard<sup>16</sup>.
- *The xsltproc tool*<sup>17</sup>, an open-source XSLT processor installed at NM Tech.
- The XSL (Formatting Objects) standard<sup>18</sup>: Warning! Large and dense.

### 5. The Document Object Model (DOM)

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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<sup>19</sup>.
- W3C's DOM page<sup>20</sup>.
- *Python and the XML Document Object Model (DOM)*<sup>21</sup>

<sup>8</sup> <http://www.w3.org/>

<sup>9</sup> <http://www.xml.com/axml/testaxml.htm>

<sup>10</sup> <http://www.oasis-open.org/>

<sup>11</sup> <http://www.nmt.edu/tcc/help/pubs/nxml/>

<sup>12</sup> <http://www.nmt.edu/tcc/help/pubs/rnc/>

<sup>13</sup> <http://www.nmt.edu/tcc/help/pubs/xslt>

<sup>14</sup> <http://nwalsh.com/docs/tutorials/xsl/xsl/>

<sup>15</sup> <http://www.w3.org/TR/xpath>

<sup>16</sup> <http://www.w3.org/TR/xslt>

<sup>17</sup> <http://xmlsoft.org/XSLT/xsltproc2.html>

<sup>18</sup> <http://www.w3.org/TR/xsl/>

<sup>19</sup> <http://xml.coverpages.org/dom.html>

<sup>20</sup> <http://www.w3.org/DOM/>

<sup>21</sup> <http://www.nmt.edu/tcc/help/pubs/pyxml/>

- Documentation for the Python DOM modules<sup>22</sup>.

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<sup>22</sup> <http://www.python.org/doc/current/lib/module-xml.dom.html>

