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| ***Author:*** StealthyDev | Office Open XML file formats  A Useful Primer | | | | ***Issue:*** ICTF |
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| The Basics  From Wikipedia, the free encyclopedia  The Office Open XML file formats are a set of file formats that can be used to represent electronic office documents. There are formats for word processing documents, spreadsheets, and presentations as well as specific formats for material such as mathematical formulae, graphics, bibliographies etc.  The formats were developed by Microsoft and first appeared in Microsoft Office 2007. They were standardized between December 2006 and November 2008, first by the Ecma International consortium, where they became ECMA-376, and subsequently, after a contentious standardization process, by the ISO/IEC's Joint Technical Committee 1, where they became ISO/IEC 29500:2008.  Office Open XML documents are stored in Open Packaging Conventions (OPC) packages, which are ZIP files containing XML and other data files, along with a specification of the relationships between them.[2] Depending on the type of the document, the packages have different internal directory structures and names. An application will use the relationships files to locate individual sections (files), with each having accompanying metadata, in particular MIME metadata. | |  | Person walking away on zebra crossing | | | |
|  | Picture Caption: To make your document look professionally produced, Word provides header, footer, cover page, and text box designs that complement each other. | | | |
| Container  Main article: [Open Packaging Conventions](https://en.wikipedia.org/wiki/Open_Packaging_Conventions) | | | |
| A basic package contains an XML file called [Content\_Types].xml at the root, along with three directories: \_rels, docProps, and a directory specific for the document type (for example, in a .docx word processing package, there would be a word directory). The word directory contains the document.xml file which is the core content of the document.  **[Content\_Types].xml**  This file provided MIME type information for parts of the package, using defaults for certain file extensions and overrides for parts specified by IRI.  **\_rels**  This directory contains relationships for the files within the package. To find the relationships for a specific file, look for the \_rels directory that is a sibling of the file, and then for a file that has the original file name with a .rels appended to it. For example, if the content types file had any relationships, there would be a file called [Content\_Types].xml.rels inside the \_rels directory. | **\_rels/.rels**  This file is where the package relationships are located. Applications look here first. Viewing in a text editor, one will see it outlines each relationship for that section. In a minimal document containing only the basic document.xml file, the relationships detailed are metadata and document.xml.  **docProps/core.xml**  This file contains the core properties for any Office Open XML document.  **word/document.xml**  This file is the main part for any Word document.Multiple interweaving highways with cars driving in different directions | | |
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