### xf (Format)

A single xf element describes all of the formatting for a cell.

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| Parent Elements |
| [cellStyleXfs](cellStyleXfs.docx) (§); [cellXfs](cellXfs.docx) (§) |

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| Child Elements | Subclause |
| [alignment](alignment.docx) (Alignment) | § |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [protection](protection.docx) (Protection Properties) | § |

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| Attributes | Description |
| applyAlignment (Apply Alignment) | A boolean value indicating whether the [alignment](alignment.docx) formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| applyBorder (Apply Border) | A boolean value indicating whether the [border](border.docx) formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| applyFill (Apply Fill) | A boolean value indicating whether the [fill](fill.docx) formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| applyFont (Apply Font) | A boolean value indicating whether the font formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| applyNumberFormat (Apply Number Format) | A boolean value indicating whether the number formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| applyProtection (Apply Protection) | A boolean value indicating whether the [protection](protection.docx) formatting specified for this xf should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| borderId (Border Id) | Zero-based index of the [border](border.docx) record used by this [cell](cell.docx) format.  The possible values for this attribute are defined by the [ST\_BorderId](ST_BorderId.docx) simple type (§). |
| fillId (Fill Id) | Zero-based index of the [fill](fill.docx) record used by this [cell](cell.docx) format.  The possible values for this attribute are defined by the [ST\_FillId](ST_FillId.docx) simple type (§). |
| fontId (Font Id) | Zero-based index of the font record used by this [cell](cell.docx) format.  The possible values for this attribute are defined by the [ST\_FontId](ST_FontId.docx) simple type (§). |
| numFmtId (Number Format Id) | Id of the number [format](format.docx) ([numFmt](numFmt.docx)) record used by this [cell](cell.docx) format.  The possible values for this attribute are defined by the [ST\_NumFmtId](ST_NumFmtId.docx) simple type (§). |
| pivotButton (Pivot Button) | A boolean value indicating whether the [cell](cell.docx) rendering includes a pivot [table](table.docx) dropdown butto[n](n.docx).  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| quotePrefix (Quote Prefix) | A boolean value indicating whether the text string in a [cell](cell.docx) should be prefixed by a single quote mark (e.g., 'text). In these cases, the quote is not stored in the Shared Strings Part.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| xfId (Format Id) | For xf records contained in [cellXfs](cellXfs.docx) this is the zero-based index of an xf record contained in [cellStyleXfs](cellStyleXfs.docx) corresponding to the [cell](cell.docx) style applied to the cell.  Not present for xf records contained in [cellStyleXfs](cellStyleXfs.docx).  The possible values for this attribute are defined by the [ST\_CellStyleXfId](ST_CellStyleXfId.docx) simple type (§). |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_Xf">

<sequence>

<element name="[alignment](alignment.docx)" type="CT\_CellAlignment" minOccurs="0" maxOccurs="1"/>

<element name="[protection](protection.docx)" type="CT\_CellProtection" minOccurs="0" maxOccurs="1"/>

<element name="[extLst](extLst.docx)" type="CT\_ExtensionList" minOccurs="0" maxOccurs="1"/>

</sequence>

<attribute [name](name.docx)="numFmtId" type="[ST\_NumFmtId](ST_NumFmtId.docx)" use="optional"/>

<attribute [name](name.docx)="fontId" type="[ST\_FontId](ST_FontId.docx)" use="optional"/>

<attribute [name](name.docx)="fillId" type="[ST\_FillId](ST_FillId.docx)" use="optional"/>

<attribute [name](name.docx)="borderId" type="[ST\_BorderId](ST_BorderId.docx)" use="optional"/>

<attribute [name](name.docx)="xfId" type="[ST\_CellStyleXfId](ST_CellStyleXfId.docx)" use="optional"/>

<attribute name="quotePrefix" type="xsd:boolean" use="optional" default="false"/>

<attribute name="pivotButton" type="xsd:boolean" use="optional" default="false"/>

<attribute [name](name.docx)="applyNumberFormat" type="xsd:boolean" use="optional"/>

<attribute [name](name.docx)="applyFont" type="xsd:boolean" use="optional"/>

<attribute [name](name.docx)="applyFill" type="xsd:boolean" use="optional"/>

<attribute [name](name.docx)="applyBorder" type="xsd:boolean" use="optional"/>

<attribute [name](name.docx)="applyAlignment" type="xsd:boolean" use="optional"/>

<attribute [name](name.docx)="applyProtection" type="xsd:boolean" use="optional"/>

</complexType>