#### cfRule (Conditional Formatting Rule)

This collection represents a description of a conditional formatting rule.

[Example:

This example shows a conditional formatting rule highlighting cells whose values are greater than 0.5. Note that in this case the content of <[formula](formula.docx)> is a static value, but can also be a [formula](formula.docx) expression.

<[conditionalFormatting](conditionalFormatting.docx) sqref="E3:E9">  
 <cfRule type="cellIs" dxfId="0" priority="1" operator="greaterThan">  
 <[formula](formula.docx)>0.5</[formula](formula.docx)>  
 </cfRule>  
</[conditionalFormatting](conditionalFormatting.docx)>

end example]

Only rules with a type value of expression support [formula](formula.docx) syntax.

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| Parent Elements |
| [conditionalFormatting](conditionalFormatting.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [colorScale](colorScale.docx) (Color Scale) | § |
| [dataBar](dataBar.docx) (Data Bar) | § |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [formula](formula.docx) (Formula) | § |
| [iconSet](iconSet.docx) (Icon Set) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| aboveAverage (Above Or Below Average) | Indicates whether the rule is an "above average" rule. '1' indicates 'above average'. Valid only for type = aboveAverage.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| [bottom](bottom.docx) (Bottom N) | Indicates whether a "top/bottom [n](n.docx)" rule is a "bottom [n](n.docx)" rule. '1' indicates 'bottom'. Valid only for type = [top10](top10.docx).  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| dxfId (Differential Formatting Id) | This is an index to a [dxf](dxf.docx) element in the [Styles](Styles.docx) Part indicating which [cell](cell.docx) formatting to apply when the conditional formatting rule criteria is met.  The possible values for this attribute are defined by the [ST\_DxfId](ST_DxfId.docx) simple type (§). |
| equalAverage (Equal Average) | Flag indicating whether the 'aboveAverage' and 'belowAverage' criteria is inclusive of the average itself, or exclusive of that value. '1' indicates to include the average value in the criteria. Valid only for type = aboveAverage.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| operator (Operator) | The operator in a "[cell](cell.docx) value is" conditional formatting rule. Valid only when type = cellIs  The possible values for this attribute are defined by the [ST\_ConditionalFormattingOperator](ST_ConditionalFormattingOperator.docx) simple type (§). |
| percent (Top 10 Percent) | Indicates whether a "top/bottom [n](n.docx)" rule is a "top/bottom [n](n.docx) percent" rule. Valid only for type = [top10](top10.docx).  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| priority (Priority) | The priority of this conditional formatting rule. This value is used to determine which [format](format.docx) should be evaluated and rendered. Lower numeric values are higher priority than higher numeric values, where '1' is the highest priority.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) int datatype. |
| rank (Rank) | The value of "[n](n.docx)" in a "top/bottom [n](n.docx)" conditional formatting rule. Valid only for type = [top10](top10.docx).  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| stdDev (StdDev) | The number of standard deviations to include above or below the average in the conditional formatting rule. Valid only for type = aboveAverage. If a value is present for stdDev and the rule type = aboveAverage, then this rule is automatically an "above or below [N](N.docx) standard deviations" rule.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) int datatype. |
| stopIfTrue (Stop If True) | If this flag is '1', no rules with lower priority may be applied over this rule, when this rule evaluates to true.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| [text](text.docx) (Text) | The text value in a "text contains" conditional formatting rule. Valid only for type = containsText.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) string datatype. |
| timePeriod (Time Period) | The applicable time period in a "date occurring…" conditional formatting rule. Valid only for type = timePeriod.  The possible values for this attribute are defined by the [ST\_TimePeriod](ST_TimePeriod.docx) simple type (§). |
| type (Type) | Type of conditional formatting rule.  The possible values for this attribute are defined by the [ST\_CfType](ST_CfType.docx) simple type (§). |

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

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

<sequence>

<element name="[formula](formula.docx)" type="[ST\_Formula](ST_Formula.docx)" minOccurs="0" maxOccurs="3"/>

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

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

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

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

</sequence>

<attribute [name](name.docx)="type" type="[ST\_CfType](ST_CfType.docx)"/>

<attribute [name](name.docx)="dxfId" type="[ST\_DxfId](ST_DxfId.docx)" use="optional"/>

<attribute [name](name.docx)="priority" type="xsd:int" use="required"/>

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

<attribute name="aboveAverage" type="xsd:boolean" use="optional" default="true"/>

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

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

<attribute [name](name.docx)="operator" type="[ST\_ConditionalFormattingOperator](ST_ConditionalFormattingOperator.docx)" use="optional"/>

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

<attribute [name](name.docx)="timePeriod" type="[ST\_TimePeriod](ST_TimePeriod.docx)" use="optional"/>

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

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

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

</complexType>