#### chMax (Maximum Children)

This element is used to indicate when to enable and disable the user interface components associated with adding a new shape to a diagram. This element defines a max number of nodes a diagram can support through the user interface directly.

[Example: Consider the following example of chMax usage in DiagramML:

<[varLst](varLst.docx)>

 <chMax [val](val.docx)="5"/>

 <[dir](dir.docx) [val](val.docx)="[norm](norm.docx)"/>

 <[resizeHandles](resizeHandles.docx) [val](val.docx)="exact" />

</[varLst](varLst.docx)>

In this example we define the user interface to only be enabled to insert five nodes. [end](end.docx) example]

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| --- |
| Parent Elements |
| [presLayoutVars](presLayoutVars.docx) (§); [varLst](varLst.docx) (§) |

|  |  |
| --- | --- |
| Attributes | Description |
| [val](val.docx) (Maximum Children Value) | This attribute indicates the maximum number of children the node can have before the user interface should be disabled. A value of -1 indicates an infinite number of children. Default value is -1.The possible values for this attribute are defined by the [ST\_NodeCount](ST_NodeCount.docx) simple type (§). |

The following XML Schema fragment defines the contents of this element:

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

 <attribute name="[val](val.docx)" type="[ST\_NodeCount](ST_NodeCount.docx)" default="-1" use="optional"/>

</complexType>