#### lock (Shape Protections)

This element specifies locks against actions that can be effected in the UI of an authoring application or programmatically through an object model.

[Example: The following snippet locks the shape's aspect ratio and text from user edits.

<v:[shape](shape.docx) ... >

<o:lock v:ext="edit" aspectratio="t" text="t"/>

</v:[shape](shape.docx)>

end example]

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| Parent Elements |
| [arc](arc.docx) (§); [background](background.docx) (§); [curve](curve.docx) (§); [group](group.docx) (§); hdrShapeDefaults (§); [image](image.docx) (§); [line](line.docx) (§); object (§); [oval](oval.docx) (§); pict (§); pict (§); [polyline](polyline.docx) (§); [rect](rect.docx) (§); [roundrect](roundrect.docx) (§); shape (§); [shapedefaults](shapedefaults.docx) (§); shapeDefaults (§); [shapetype](shapetype.docx) (§) |

|  |  |
| --- | --- |
| Attributes | Description |
| adjusthandles (Handles Lock) | Specifies whether the [handles](handles.docx) of a shape are locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| aspectratio (Aspect Ratio Lock) | Specifies whether the aspect ratio of a shape is locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| cropping (Cropping Lock) | Specifies whether cropping of a shape is locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| ext (VML Extension Handling Behavior)  Namespace: urn:schemas-microsoft-com:vml | Specifies an optional value that indicates how applications that implement [VML](VML.docx) should interpret extensions not defined as part of the original specification of core VML.  [Rationale: This part of the original [VML](VML.docx) specification is included to assist applications that leverage existing [VML](VML.docx) support in implementing the Office Open XML Format. end rationale]  The possible values for this attribute are defined by the [ST\_Ext](ST_Ext.docx) simple type (§). |
| grouping (Grouping Lock) | Specifies whether a shape is locked from being grouped. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| position (Position Lock) | Specifies whether the position of a shape is locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| rotation (Rotation Lock) | Specifies whether the rotation of a shape is locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| selection (Selection Lock) | Specifies whether the shape is locked from being selectable in an editor. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| [shapetype](shapetype.docx) (AutoShape Type Lock) | Specifies whether the AutoShape type is locked from being edited. [Default](Default.docx) is false. If true, the type of an AutoShape cannot be changed in a graphical editor.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| text (Text Lock) | Specifies whether the text attached to a shape is locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| ungrouping (Ungrouping Lock) | Specifies whether a grouped shape is locked from being ungrouped. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| verticies (Vertices Lock) | Specifies whether the vertices of a [path](path.docx) are locked from being edited. [Default](Default.docx) is false.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |

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

<complexType name="CT\_Lock">

<attributeGroup ref="v:AG\_Ext"/>

<attribute name="position" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="selection" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="grouping" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="ungrouping" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="rotation" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="cropping" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="verticies" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="adjusthandles" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="text" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="aspectratio" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

<attribute name="[shapetype](shapetype.docx)" type="[ST\_TrueFalse](ST_TrueFalse.docx)" use="optional"/>

</complexType>