#### pivotHierarchy (OLAP Hierarchy)

Represents a OLAP hierarchy associated with the PivotTable. A hierarchy is a hierarchical representation of related OLAP dimensions. Hierarchies are defined on the OLAP server and cannot be changed in the PivotTable. For example, hierarchy "A" might be defined as follows:

Level 1 Country/Region

Level 2 State\Provence

Level 3 City

[Example:

<sh:pivotHierarchy dragToRow="0" dragToCol="0" dragToPage="0" dragToData="1"/>

end example]

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| --- |
| Parent Elements |
| [pivotHierarchies](pivotHierarchies.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [members](members.docx) (Members) | § |
| [mps](mps.docx) (OLAP Member Properties) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| caption (Hierarchy Caption) | Specifies the user defined caption of the hierarchy.  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| dragOff (Drag Off) | Specifies a boolean value that indicates whether the user is allowed to remove this hierarchy from the PivotTable.  A value of on, 1, or true indicates the user can remove this hierarchy from the PivotTable.  A value of off, 0, or false indicates the user cannot remove the hierarchy from the PivotTable.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| dragToCol (Drag To Column) | Specifies a boolean value that indicates whether the user is allowed to put this hierarchy into the column area of the PivotTable.  A value of on, 1, or true indicates the user can put this hierarchy into the column area of the PivotTable.  A value of off, 0, or false indicates the user cannot remove this hierarchy.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| dragToData (Drag To Data) | Specifies a boolean value that indicates whether the user is allowed to put this hierarchy into the data area of the view.  A value of on, 1, or true indicates  A value of off, 0, or false indicates  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| dragToPage (Drag to Page) | Specifies a boolean value that indicates whether the user is allowed to put this hierarchy into the [page](page.docx) area of the PivotTable.  A value of on, 1, or true indicates the user can put this hierarchy into the [page](page.docx) area of the PivotTable.  A value of off, 0, or false indicates cannot put this hierarchy into the [page](page.docx) area.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| dragToRow (Drag To Row) | Specifies a boolean value that indicates whether the user is allowed to put this hierarchy into the [row](row.docx) area of the PivotTable.  A value of on, 1, or true indicates the user can put this hierarchy into the [row](row.docx) area of the PivotTable.  A value of off, 0, or false indicates cannot put this hierarchy into the [row](row.docx) area.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| includeNewItemsInFilter (Inclusive Manual Filter) | Specifies a boolean value that indicates whether the application will show only the [items](items.docx) the user has selected.  A value of on, 1, or true indicates the application will show only [items](items.docx) the user has selected; all other [items](items.docx) will be hidden.  A value of off, 0, or false indicates the application will show all items.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| multipleItemSelectionAllowed (Multiple Field Filters) | Specifies a boolean value that indicates whether the user can select multiple [members](members.docx) when the hierarchy is in the [page](page.docx) [field](field.docx) area of the view.  A value of on, 1, or true indicates the user can select multiple members.  A value of off, 0, or false indicates the user cannot select multiple members.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| [outline](outline.docx) (Outline New Levels) | Specifies a boolean value that indicates whether new levels added to the PivotTable are shown in Outline mode.  A value of on, 1, or true indicates new levels are shown in Outline mode.  A value of off, 0, or false indicates new [items](items.docx) are not shown in Outline mode.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| showInFieldList (Show In Field List) | Specifies a boolean value that indicates whether this hierarchy is omitted from the [field](field.docx) list. This attribute depends on how the application exposes a list of fields for PivotTables in the user interface.  A value of on, 1, or true indicates this hierarchy is show in the [field](field.docx) list or similar mechanism in the user interface.  A value of off, 0, or false indicates is not shown in the [field](field.docx) list.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| subtotalTop (New Levels Subtotals At Top) | Specifies a boolean value that indicates whether new levels added to the view will show their subtotals at the top.  A value of on, 1, or true indicates new levels added to the view show their subtotals at the top.  A value of off, 0, or false indicates new levels added to the view show their subtotals at the bottom.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |

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

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

<sequence>

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

<element name="[members](members.docx)" minOccurs="0" maxOccurs="unbounded" type="CT\_Members"/>

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

</sequence>

<attribute [name](name.docx)="[outline](outline.docx)" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="multipleItemSelectionAllowed" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="subtotalTop" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="showInFieldList" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="dragToRow" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="dragToCol" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="dragToPage" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="dragToData" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="dragOff" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="includeNewItemsInFilter" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="caption" type="[ST\_Xstring](ST_Xstring.docx)" use="optional"/>

</complexType>