### olapPr (OLAP Properties)

This element contains all the properties needed for an OLAP data connection. OLE [DB](DB.docx) for OLAP is the data provider, and OLAP [connections](connections.docx) contain both the [dbPr](dbPr.docx) and olapPr child elements.

[Example:

Data connectivity can use a number of different technologies. The following is an example of a [connection](connection.docx) to an SAP BW OLAP data source:

<[connection](connection.docx) id="1" odcFile="C:\My Documents\My Data Sources\$INFOCUBE.odc"  
 keepAlive="1" name="SAP demo cube" description="SAP DemoCube" type="5"   
 refreshedVersion="3" background="1">  
 <[dbPr](dbPr.docx) [connection](connection.docx)="Provider=MDrmSap.2;Data Source=BI2;User   
 ID=TESTUSER;Location=TESTSERVERNAME;Cache Authentication=False;Encrypt   
 Password=False;Integrated Security=&quot;&quot;;Mask Password=False;Persist   
 Encrypted=False;Persist Security Info=True;Impersonation   
 Level=Anonymous;Mode=Read;Protection Level=None;Extended   
 Properties=&quot;SFC\_CLIENT=800;&quot;;Initial Catalog=$INFOCUBE"   
 command="$0D\_DECU" commandType="1"/>

<olapPr sendLocale="1" rowDrillCount="1000" serverFill="0"  
 serverNumberFormat="0" serverFont="0" serverFontColor="0"/>  
</[connection](connection.docx)>

end example]

[Example:

Data connectivity can use a number of different technologies. The following is an example of a [connection](connection.docx) to a Microsoft SQL Server Analysis Services OLAP data source:

<[connection](connection.docx) id="1"   
 odcFile="C:\My Documents\My Data Sources\Adventure Works DW.odc" keepAlive="1"   
 name="Adventure Works DW" type="5" refreshedVersion="3" background="1">  
 <[dbPr](dbPr.docx) [connection](connection.docx)="Provider=MSOLAP.3;Cache Authentication=False;Integrated   
 Security=SSPI;Persist Security Info=True;Initial Catalog=Adventure Works   
 DW;Data Source=DATASERVER1;Impersonation   
 Level=Impersonate;Mode=ReadWrite;Protection Level=Pkt Privacy;Auto Synch

Period=20000;Default Isolation Mode=0;Default MDX Visual Mode=0;MDX   
 Compatibility=1;MDX Unique Name Style=0;Non Empty   
 Threshold=0;SQLQueryMode=Calculated;Safety Options=2;Secured Cell   
 Value=0;SOURCE\_DSN\_SUFFIX=&quot;Prompt=CompleteRequired;Window   
 Handle=0x6A903CC;&quot;;SQL Compatibility=0;Compression Level=0;Real Time   
 Olap=False;Packet Size=4096" command="Adventure Works" commandType="1"/>  
 <olapPr sendLocale="1" rowDrillCount="1000"/>  
</[connection](connection.docx)>

end example]

[Note: Data connectivity can use a number of different technologies. One example of potential values stored in this attribute can be found at http://msdn.microsoft.com/library/default.asp?url=/library/en-us/oledb/htm/dasdkoledboverview.asp end note]

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

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| --- | --- |
| Attributes | Description |
| local (Local Cube) | Flag indicating whether we should get data from the local cube on refresh versus the original data source. true if a local cube has been created for OLAP data, and it should be used instead of the server.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| localConnection (Local Cube Connection) | Specifies a [connection](connection.docx) string to use when a local cube is available. This is used when local is set to true.  [Example:  <olapPr local="true" localConnection="OLEDB;Provider=MSOLAP;Data Source=C:\Data\DataCube.cub" >  … end example]  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| localRefresh (Local Refresh) | Flag indicating whether we should refresh the local cube from the original data source. When true, the original OLAP data source is queried each time the user explicitly refreshes the data in the application, and a new local cube is constructed from this query.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| rowDrillCount (Drill Through Count) | Maximum number of drill-through rows to return when the user drills through an aggregate value in a PivotTable.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| sendLocale (Send Locale to OLAP) | When true, the spreadsheetML app should send the user interface locale ID to the OLAP provider to retrieve localized [member](member.docx) names and properties, etc. When false, no locale ID is expected.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| serverFill (OLAP Fill Formatting) | When true a PivotTable based on an OLAP source should [format](format.docx) the data and aggregate cells in the PivotTable view using the background [color](color.docx) from the OLAP source if this information is available. When false, OLAP server background [fill](fill.docx) [colors](colors.docx) are ignored, and standard formatting rules within the [worksheet](worksheet.docx) are followed.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| serverFont (OLAP Server Font) | When true, a PivotTable based on OLAP source should [format](format.docx) the data and aggregate cells in the PivotTable view using the font from the OLAP source (e.g., Arial or Tahoma). When false, OLAP server [fonts](fonts.docx) are ignored, and standard formatting rules within the [worksheet](worksheet.docx) are followed.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| serverFontColor (OLAP Font Formatting) | When true a PivotTable based on OLAP source should [format](format.docx) the data and aggregate cells in the PivotTable view using the font [color](color.docx) from the OLAP source. When false, OLAP server font [colors](colors.docx) are ignored, and standard formatting rules within the [worksheet](worksheet.docx) are followed.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| serverNumberFormat (OLAP Number Format) | When true, a PivotTable based on OLAP source should [format](format.docx) the data and aggregate cells in the PivotTable view using the number [format](format.docx) from the OLAP source. When false, OLAP server number [formats](formats.docx) are ignored, and standard formatting rules within the [worksheet](worksheet.docx) are followed.  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\_OlapPr">

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

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

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

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

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

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

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

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

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

</complexType>