

# [MS-SSAS-T]: SQL Server Analysis Services Tabular Protocol

This topic lists the Errata found in the MS-SSAS-T document since it was last published. Since this topic is updated frequently, we recommend that you subscribe to these RSS or Atom feeds to receive update notifications.

Errata are subject to the same terms as the Open Specifications documentation referenced.



Errata below are for Protocol Document Version [V8.0 - 2020/06/22](#).

Errata Published*	Description																					
2020/11/10	<p>In section 2.2.1, Namespaces, the xs namespace was added to the table.</p> <p>Changed from:</p> <table border="1" data-bbox="464 737 1224 921"> <thead> <tr> <th>Prefix</th> <th>Namespace URI</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>xsd</td> <td>http://www.w3.org/2001/XMLSchema</td> <td>[XMLSCHEMA1/2] [XMLSCHEMA2/2]</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="464 1066 1224 1337"> <thead> <tr> <th>Prefix</th> <th>Namespace URI</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>xs</td> <td>http://www.w3.org/2001/XMLSchema</td> <td>[XMLSCHEMA1/2] [XMLSCHEMA2/2]</td> </tr> <tr> <td>xsd</td> <td>http://www.w3.org/2001/XMLSchema</td> <td>[XMLSCHEMA1/2] [XMLSCHEMA2/2]</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>	Prefix	Namespace URI	Reference	xsd	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1/2] [XMLSCHEMA2/2]	...	...	...	Prefix	Namespace URI	Reference	xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1/2] [XMLSCHEMA2/2]	xsd	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1/2] [XMLSCHEMA2/2]	...	...	...
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2020/11/10	<p>In section 2.2.3.1, AffectedObjects, and Response sections 3.1.5.2.1.1.2, 3.1.5.2.1.2.2, 3.1.5.2.1.3.2, 3.1.5.2.1.4.2, 3.1.5.2.1.5.2, 3.1.5.2.1.6.2, and 3.1.5.2.1.8.2, the definition of the <b>ReturnAffectedObjects</b> XMLA property was clarified.</p> <p>In section 2.2.3.1, changed from:</p> <p>When this property is set to 1, the command returns an object in the <b>return</b> element of the <b>ExecuteResponse</b> element (see [MS-SSAS] section 3.1.4.3.2.2.1) called <b>AffectedObjects</b>.</p> <p>Changed to:</p>																					

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	<p>When this property is equal to or greater than 1, the command returns an object in the <b>return</b> element of the <b>ExecuteResponse</b> element (see [MS-SSAS] section 3.1.4.3.2.2.1) called <b>AffectedObjects</b>.</p> <p>In Response sections 3.1.5.2.1.1.2, 3.1.5.2.1.2.2, 3.1.5.2.1.3.2, 3.1.5.2.1.4.2, 3.1.5.2.1.5.2, 3.1.5.2.1.6.2, changed from:</p> <p>If the <b>ReturnAffectedObjects</b> XMLA property is set to 1, the response is an object of type <b>AffectedObjects</b>.</p> <p>Changed to:</p> <p>If the <b>ReturnAffectedObjects</b> XMLA property is equal to or greater than 1, the response is an object of type <b>AffectedObjects</b>.</p>																
2020/11/10	<p>In section 2.2.3.1, AffectedObjects, a product behavior note was added to the description of the <b>ImpactType</b> field.</p> <p>Changed from:</p> <table border="1" data-bbox="462 867 1416 1192"> <thead> <tr> <th>Column</th> <th>Type</th> <th>Default</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ImpactType</td> <td>integer</td> <td>0</td> <td> <p>The type of modification that was made to the object. The possible values are as follows:</p> <ul style="list-style-type: none"> <li>0 - The object in the row was modified by the operation. The row then contains the new state of the object.</li> <li>1 - The object in the row was deleted by the operation.</li> </ul> </td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="462 1304 1416 1680"> <thead> <tr> <th>Column</th> <th>Type</th> <th>Default</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ImpactType</td> <td>integer</td> <td>0</td> <td> <p>The type of modification that was made to the object. The possible values are as follows:</p> <ul style="list-style-type: none"> <li>0 - The object in the row was modified by the operation. The row then contains the new state of the object.</li> <li>1 - The object in the row was deleted by the operation.&lt;PRODUCT BEHAVIOR NOTE&gt;</li> </ul> </td> </tr> </tbody> </table> <p>&lt;PRODUCT BEHAVIOR NOTE&gt; The <b>ImpactType</b> field is defined as optional. However, in SQL Server 2016 Analysis Services, SQL Server 2017 Analysis Services, and SQL Server</p>	Column	Type	Default	Description	ImpactType	integer	0	<p>The type of modification that was made to the object. The possible values are as follows:</p> <ul style="list-style-type: none"> <li>0 - The object in the row was modified by the operation. The row then contains the new state of the object.</li> <li>1 - The object in the row was deleted by the operation.</li> </ul>	Column	Type	Default	Description	ImpactType	integer	0	<p>The type of modification that was made to the object. The possible values are as follows:</p> <ul style="list-style-type: none"> <li>0 - The object in the row was modified by the operation. The row then contains the new state of the object.</li> <li>1 - The object in the row was deleted by the operation.&lt;PRODUCT BEHAVIOR NOTE&gt;</li> </ul>
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	<p>2019 Analysis Services, the <code>xsd:minOccurs="0"</code> attribute for the <b>ImpactType</b> field is missing from the XSD in the rowset.</p>																		
2020/11/10	<p>In section 2.2.3.1, AffectedObjects, and section 4.1.2, Server Response, the <b>ImpactType</b> field was clarified as optional in the schema.</p> <p>Changed from:</p> <pre>&lt;xsd:element sql:field="ImpactType" name="ImpactType" type="xsd:int" /&gt;</pre> <p>Changed to:</p> <pre>&lt;xsd:element sql:field="ImpactType" name="ImpactType" type="xsd:int" minOccurs="0" /&gt;</pre>																		
2020/11/10	<p>In section 2.2.5.6, Partition Object, and section 2.2.5.26, Expression Object, a compatibility level description and product behavior note were added for the <b>QueryGroupID</b> property.</p> <p>Changed from:</p> <table border="1" data-bbox="464 947 1414 1125"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>QueryGroupID</td> <td>unsignedLong</td> <td>An ID-based reference to a <b>QueryGroup</b> object.</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="464 1236 1414 1474"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>QueryGroupID&lt;PRODUCT BEHAVIOR NOTE&gt;</td> <td>unsignedLong</td> <td>An ID-based reference to a <b>QueryGroup</b> object. Compatibility level 1500 or higher is required.</td> </tr> </tbody> </table> <p>&lt;PRODUCT BEHAVIOR NOTE&gt; SQL Server 2016 Analysis Services and SQL Server 2017 Analysis Services do not support the <b>QueryGroupID</b> property.</p>	Name	Type	Description	...	...	...	QueryGroupID	unsignedLong	An ID-based reference to a <b>QueryGroup</b> object.	Name	Type	Description	...	...	...	QueryGroupID<PRODUCT BEHAVIOR NOTE>	unsignedLong	An ID-based reference to a <b>QueryGroup</b> object. Compatibility level 1500 or higher is required.
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2020/11/10	<p>In section 3.1.5.1.1.15.2.1, Columns, the type for the Content field of the TMSHEMA_LINGUISTIC_METADATA rowset was changed in the schema.</p> <p>Changed from:</p>																		

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	<pre>&lt;xs:element sql:field="Content" name="Content" type="xmlDocument" minOccurs="0" /&gt;</pre> <p>Changed to:</p> <pre>&lt;xs:element sql:field="Content" name="Content" type="xs:string" minOccurs="0" /&gt;</pre>																						
2020/11/10	<p>In section 3.1.5.1.1.31.2.1, Columns, the Ordinal column for the TMSHEMA_FORMAT_STRING_DEFINITIONS rowset was removed.</p> <p>Changed from:</p> <table border="1" data-bbox="462 743 797 1050"> <thead> <tr> <th>Name</th> <th>Restriction</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>Expression</td> <td>Yes</td> </tr> <tr> <td>Ordinal</td> <td>Yes</td> </tr> <tr> <td>ModifiedTime</td> <td>Yes</td> </tr> <tr> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>...</p> <pre>&lt;xsd:element sql:field="Expression" name="Expression" type="xsd:string" minOccurs="0" /&gt; &lt;xsd:element sql:field="Ordinal" name="Ordinal" type="xsd:int" minOccurs="0" /&gt; &lt;xsd:element sql:field="ModifiedTime" name="ModifiedTime" type="xsd:dateTime" minOccurs="0" /&gt;</pre> <p>...</p> <p>Changed to:</p> <table border="1" data-bbox="462 1509 797 1764"> <thead> <tr> <th>Name</th> <th>Restriction</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>Expression</td> <td>Yes</td> </tr> <tr> <td>ModifiedTime</td> <td>Yes</td> </tr> <tr> <td>...</td> <td>...</td> </tr> </tbody> </table>	Name	Restriction	...	...	Expression	Yes	Ordinal	Yes	ModifiedTime	Yes	...	...	Name	Restriction	...	...	Expression	Yes	ModifiedTime	Yes	...	...
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\*Date format: YYYY/MM/DD