

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

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Errata below are for Protocol Document Version [V26.0 - 2021/02/11](#).

Errata Published*	Description																
2021/04/19	<p>In section 2.1.5, Binary XML, the binary XML type of the xsd:unsignedByte XSD type was clarified.</p> <p>Changed from:</p> <table border="1"> <thead> <tr> <th>XSD Type</th> <th>Binary XML Type</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>xsd:unsignedByte</td> <td>XSD-UNSIGNEDBYTE</td> </tr> <tr> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1"> <thead> <tr> <th>XSD Type</th> <th>Binary XML Type</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>xsd:unsignedByte</td> <td>XSD-BYTE</td> </tr> <tr> <td>...</td> <td>...</td> </tr> </tbody> </table>	XSD Type	Binary XML Type	...	...	xsd:unsignedByte	XSD-UNSIGNEDBYTE	...	...	XSD Type	Binary XML Type	...	...	xsd:unsignedByte	XSD-BYTE	...	...
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2021/04/19	<p>In section 2.2.4.1.1.2.1.1.6, msxmla:NormTupleSet Complex Type, the following table was added to provide descriptions of the <b>MemberOrdinal</b> and <b>MemberDispInfo</b> elements.</p> <table border="1"> <thead> <tr> <th>Element</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MemberOrdinal</td> <td>An integer value that specifies the ordinal number of the member in the tuple set.</td> </tr> <tr> <td>MemberDispInfo</td> <td>An integer value that represents the display information of the member in the tuple.</td> </tr> </tbody> </table>	Element	Description	MemberOrdinal	An integer value that specifies the ordinal number of the member in the tuple set.	MemberDispInfo	An integer value that represents the display information of the member in the tuple.										
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2021/04/19	<p>In section 2.2.4.1.1.2.1.2.5, KeyNormType Complex Type, the information to use to form the unique name of a member of a hierarchy was clarified by changing HierarchyUniqueName to HierUName.</p> <p>Changed from:</p> <ul style="list-style-type: none"> <li>▪ Clients are expected to use the <b>KeySet</b> information to form the <b>UniqueName</b> of the member by using the HierarchyUniqueName information in the metadata and appending that result by using an opening square bracket ([), a <b>KeyValue</b> from the <b>KeySet</b>, and a closing square bracket (]). . . .</li> <li>▪ . . .</li> <li>▪ . . . <ul style="list-style-type: none"> <li>▪ Month hierarchy with HierarchyUniqueName [Calendar].[Month] with distinct members <b>Null, Jan, Feb, and Mar</b>.</li> <li>▪ Year hierarchy with HierarchyUniqueName [Date].[Year] with values {Null, Jan, Feb, Mar} and {2010, 2011, 2012}.</li> </ul> </li> </ul> <p>Changed to:</p> <ul style="list-style-type: none"> <li>▪ Clients are expected to use the <b>KeySet</b> information to form the <b>UniqueName</b> of the member by using the <b>HierUName</b> information in the metadata and appending that result by using an opening square bracket ([), a <b>KeyValue</b> from the <b>KeySet</b>, and a closing square bracket (]). . . .</li> <li>▪ . . .</li> <li>▪ . . . <ul style="list-style-type: none"> <li>▪ Month hierarchy with <b>HierUName</b>. [Calendar].[Month] with distinct members <b>Null, Jan, Feb, and Mar</b>.</li> <li>Year hierarchy with <b>HierUName</b>. [Date].[Year] with values {Null, Jan, Feb, Mar} and {2010, 2011, 2012}.</li> </ul> </li> </ul>																
2021/04/19	<p>In section 2.2.4.2.2.8, Dimension, the description of the <b>UnknownMemberName</b> element was clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="386 1482 1425 1738"> <thead> <tr> <th data-bbox="386 1482 667 1560">Element</th> <th data-bbox="667 1482 797 1560">Read-Only</th> <th data-bbox="797 1482 967 1560">Default value</th> <th data-bbox="967 1482 1425 1560">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="386 1560 667 1608">. . .</td> <td data-bbox="667 1560 797 1608">. . .</td> <td data-bbox="797 1560 967 1608">. . .</td> <td data-bbox="967 1560 1425 1608">. . .</td> </tr> <tr> <td data-bbox="386 1608 667 1686">UnknownMemberName</td> <td data-bbox="667 1608 797 1686"></td> <td data-bbox="797 1608 967 1686">"Unknown"</td> <td data-bbox="967 1608 1425 1686">The caption for <b>UnknownMember</b> in <b>DefaultLanguage</b>.</td> </tr> <tr> <td data-bbox="386 1686 667 1738">. . .</td> <td data-bbox="667 1686 797 1738">. . .</td> <td data-bbox="797 1686 967 1738">. . .</td> <td data-bbox="967 1686 1425 1738">. . .</td> </tr> </tbody> </table> <p>Changed to:</p>	Element	Read-Only	Default value	Description	. . .	. . .	. . .	. . .	UnknownMemberName		"Unknown"	The caption for <b>UnknownMember</b> in <b>DefaultLanguage</b> .	. . .	. . .	. . .	. . .
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2021/04/19	<p>In section 2.2.4.2.2.8.1, DimensionAttribute, section 2.2.4.2.2.9.2, CubeAttribute, and section 2.2.4.2.2.14.1.1, PerspectiveAttribute, the descriptions of attribute hierarchy elements were clarified.</p> <p>In section 2.2.4.2.2.8.1, changed from:</p> <table border="1"> <thead> <tr> <th data-bbox="386 716 786 789">Element</th> <th data-bbox="789 716 881 789">Read-Only</th> <th data-bbox="885 716 1097 789">Default value</th> <th data-bbox="1101 716 1412 789">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="386 793 786 842">...</td> <td data-bbox="789 793 881 842">...</td> <td data-bbox="885 793 1097 842">...</td> <td data-bbox="1101 793 1412 842">...</td> </tr> <tr> <td data-bbox="386 846 786 947">AttributeHierarchyOrdered</td> <td data-bbox="789 846 881 947"></td> <td data-bbox="885 846 1097 947">True</td> <td data-bbox="1101 846 1412 947">When true, indicates that <b>AttributeHierarchies</b> are ordered; otherwise, false.</td> </tr> <tr> <td data-bbox="386 951 786 999">...</td> <td data-bbox="789 951 881 999">...</td> <td data-bbox="885 951 1097 999">...</td> <td data-bbox="1101 951 1412 999">...</td> </tr> <tr> <td data-bbox="386 1003 786 1339">AttributeHierarchyEnabled</td> <td data-bbox="789 1003 881 1339"></td> <td data-bbox="885 1003 1097 1339">True</td> <td data-bbox="1101 1003 1412 1339">           When true, indicates that an <b>AttributeHierarchy</b> is enabled for this attribute; otherwise, false.            If the <b>DimensionAttribute</b> is used as a <b>MeasureGroupAttribute</b> with <b>Type=Granularity</b>, the <b>AttributeHierarchyEnabled</b> element <b>MUST</b> be set to True.         </td> </tr> <tr> <td data-bbox="386 1344 786 1751">AttributeHierarchyOptimizedState</td> <td data-bbox="789 1344 881 1751"></td> <td data-bbox="885 1344 1097 1751">"FullyOptimized"</td> <td data-bbox="1101 1344 1412 1751">           Indicates the type of optimization for this <b>AttributeHierarchy</b>. The following values are allowed:           <ul style="list-style-type: none"> <li>▪ "FullyOptimized" – Indexes are built for the <b>AttributeHierarchy</b>.</li> <li>▪ "NotOptimized" – Indexes are not built for the <b>AttributeHierarchy</b>.</li> </ul> </td> </tr> </tbody> </table>				Element	Read-Only	Default value	Description	...	...	...	...	AttributeHierarchyOrdered		True	When true, indicates that <b>AttributeHierarchies</b> are ordered; otherwise, false.	...	...	...	...	AttributeHierarchyEnabled		True	When true, indicates that an <b>AttributeHierarchy</b> is enabled for this attribute; otherwise, false. If the <b>DimensionAttribute</b> is used as a <b>MeasureGroupAttribute</b> with <b>Type=Granularity</b> , the <b>AttributeHierarchyEnabled</b> element <b>MUST</b> be set to True.	AttributeHierarchyOptimizedState		"FullyOptimized"	Indicates the type of optimization for this <b>AttributeHierarchy</b> . The following values are allowed: <ul style="list-style-type: none"> <li>▪ "FullyOptimized" – Indexes are built for the <b>AttributeHierarchy</b>.</li> <li>▪ "NotOptimized" – Indexes are not built for the <b>AttributeHierarchy</b>.</li> </ul>
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	AttributeHierarchyVisible		True	When true, indicates that an <b>AttributeHierarchy</b> is visible; otherwise, false.
	AttributeHierarchyDisplayFolder		Empty	Indicates the name of the <b>AttributeHierarchy</b> display folder.
	...	...	...	...
Changed to:				
	Element	Read-Only	Default value	Description
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	AttributeHierarchyOptimizedState		"FullyOptimized"	Indicates the type of optimization for this attribute hierarchy. The following values are allowed: <ul style="list-style-type: none"> <li>▪ "FullyOptimized" – Indexes are built for the attribute hierarchy.</li> <li>▪ "NotOptimized" – Indexes are not built for the attribute hierarchy.</li> </ul>
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	AttributeHierarchyDisplayFolder		Empty	Indicates the name of the attribute hierarchy display folder.

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In section 2.2.4.2.2.9.2, changed from:

Element	Read-Only	Default value	Description
...	...	...	...
AttributeHierarchyOptimizedState		"FullyOptimized"	Specifies the optimization for <b>AttributeHierarchy</b> .
AttributeHierarchyEnabled		True	When true, this Boolean determines that an <b>AttributeHierarchy</b> is enabled for this attribute. This value is ignored if AttributeHierarchyEnabled=False on the <b>DimensionAttribute</b> .
...	...	...	...

Changed to:

Element	Read-Only	Default value	Description
...	...	...	...
AttributeHierarchyOptimizedState		"FullyOptimized"	Specifies the optimization for the attribute hierarchy.
AttributeHierarchyEnabled		True	When true, this Boolean determines that an attribute hierarchy is enabled for this attribute. This value is ignored if AttributeHierarchyEnabled=False on the <b>DimensionAttribute</b> .
...	...	...	...

In section 2.2.4.2.2.14.1.1, changed from:

Element	Read-Only	Default value	Description
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AttributeHierarchyVisible		True	When true, specifies whether the <b>AttributeHierarchy</b> is visible; otherwise, false.

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2021/04/19	<p>In section 2.2.4.2.2.8.2, Hierarchy, the descriptions of the <b>AllMemberName</b> and <b>AllMemberTranslations</b> elements were clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="386 844 1425 1178"> <thead> <tr> <th>Element</th> <th>Read-Only</th> <th>Default value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>AllMemberName</td> <td></td> <td>Empty</td> <td>The caption for <b>AllMember</b> in <b>DefaultLanguage</b>.</td> </tr> <tr> <td>AllMemberTranslations</td> <td></td> <td>Empty</td> <td>A collection of <b>Translation</b> objects for the <b>All Member</b>.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="386 1285 1425 1619"> <thead> <tr> <th>Element</th> <th>Read-Only</th> <th>Default value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>AllMemberName</td> <td></td> <td>Empty</td> <td>The caption for the <b>All</b> member in the default language.</td> </tr> <tr> <td>AllMemberTranslations</td> <td></td> <td>Empty</td> <td>A collection of <b>Translation</b> objects for the <b>All</b> member.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>	Element	Read-Only	Default value	Description	...	...	...	...	AllMemberName		Empty	The caption for <b>AllMember</b> in <b>DefaultLanguage</b> .	AllMemberTranslations		Empty	A collection of <b>Translation</b> objects for the <b>All Member</b> .	...	...	...	...	Element	Read-Only	Default value	Description	...	...	...	...	AllMemberName		Empty	The caption for the <b>All</b> member in the default language.	AllMemberTranslations		Empty	A collection of <b>Translation</b> objects for the <b>All</b> member.	...	...	...	...
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2021/04/19	<p>In section 2.2.4.2.2.15.1.2, TableMiningStructureColumn, the description of the <b>SourceMeasureGroup</b> element was clarified.</p> <p>Changed from:</p>																																								

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2021/04/19	<p data-bbox="370 913 1373 963">In section 2.2.4.2.2.30, ErrorConfiguration, a description of the CalculationError element was added.</p> <p data-bbox="370 1005 532 1033">Changed from:</p> <table border="1" data-bbox="386 1073 1421 1276"> <thead> <tr> <th data-bbox="386 1073 618 1148">Element</th> <th data-bbox="618 1073 743 1148">Read-Only</th> <th data-bbox="743 1073 1003 1148">Default value</th> <th data-bbox="1003 1073 1421 1148">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="386 1148 618 1203">...</td> <td data-bbox="618 1148 743 1203">...</td> <td data-bbox="743 1148 1003 1203">...</td> <td data-bbox="1003 1148 1421 1203">...</td> </tr> <tr> <td data-bbox="386 1203 618 1276">NullKeyNotAllowed</td> <td data-bbox="618 1203 743 1276"></td> <td data-bbox="743 1203 1003 1276">"ReportAndContinue"</td> <td data-bbox="1003 1203 1421 1276">The action to take if a null key is encountered and not allowed.</td> </tr> </tbody> </table> <p data-bbox="370 1318 505 1346">Changed to:</p> <table border="1" data-bbox="386 1386 1421 1671"> <thead> <tr> <th data-bbox="386 1386 618 1461">Element</th> <th data-bbox="618 1386 743 1461">Read-Only</th> <th data-bbox="743 1386 1003 1461">Default value</th> <th data-bbox="1003 1386 1421 1461">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="386 1461 618 1516">...</td> <td data-bbox="618 1461 743 1516">...</td> <td data-bbox="743 1461 1003 1516">...</td> <td data-bbox="1003 1461 1421 1516">...</td> </tr> <tr> <td data-bbox="386 1516 618 1591">NullKeyNotAllowed</td> <td data-bbox="618 1516 743 1591"></td> <td data-bbox="743 1516 1003 1591">"ReportAndContinue"</td> <td data-bbox="1003 1516 1421 1591">The action to take if a null key is encountered and not allowed.</td> </tr> <tr> <td data-bbox="386 1591 618 1671">CalculationError</td> <td data-bbox="618 1591 743 1671"></td> <td data-bbox="743 1591 1003 1671">"IgnoreError"</td> <td data-bbox="1003 1591 1421 1671">The action to take upon encountering a calculation error.</td> </tr> </tbody> </table>	Element	Read-Only	Default value	Description	...	...	...	...	NullKeyNotAllowed		"ReportAndContinue"	The action to take if a null key is encountered and not allowed.	Element	Read-Only	Default value	Description	...	...	...	...	NullKeyNotAllowed		"ReportAndContinue"	The action to take if a null key is encountered and not allowed.	CalculationError		"IgnoreError"	The action to take upon encountering a calculation error.				
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2021/04/19	<p data-bbox="370 1686 1352 1713">In section 3.1.4.2.2.1.3.23.1, Columns, the type of the MODEL_PMML column was clarified.</p> <p data-bbox="370 1755 532 1782">Changed from:</p>																																

Errata Published*	Description
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Name	Type	Restriction	Description
...	...	...	...
MODEL_PMML	xsd:string		An XML representation of the model's content in PMML format.
...	...	...	...

Changed to:

Name	Type	Restriction	Description
...	...	...	...
MODEL_PMML	xmlDocument		An XML representation of the model's content in PMML format.
...	...	...	...

2021/04/19	<p>In section 3.1.4.2.2.1.3.42.1, Columns, the type of the LOCK_OBJECT_ID column was clarified and the values for the LOCK_STATUS column were clarified.</p> <p>Changed from:</p> <table border="1"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Restriction</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>LOCK_OBJECT_ID</td> <td>xsd:xmlDocument</td> <td>Yes</td> <td>The unique identifier of the object being locked.</td> </tr> <tr> <td>LOCK_STATUS</td> <td>xsd:int</td> <td>Yes</td> <td>The lock status. <ul style="list-style-type: none"> <li>▪ 0 - The lock is granted.</li> <li>▪ 1 - The system is waiting to lock the object.</li> </ul> </td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Restriction</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>LOCK_OBJECT_ID</td> <td>xmlDocument</td> <td>Yes</td> <td>The unique identifier of the object being locked.</td> </tr> <tr> <td>LOCK_STATUS</td> <td>xsd:int</td> <td>Yes</td> <td>The lock status. <ul style="list-style-type: none"> <li>▪ 0 - The system is waiting to lock the object.</li> </ul> </td> </tr> </tbody> </table>	Name	Type	Restriction	Description	...	...	...	...	LOCK_OBJECT_ID	xsd:xmlDocument	Yes	The unique identifier of the object being locked.	LOCK_STATUS	xsd:int	Yes	The lock status. <ul style="list-style-type: none"> <li>▪ 0 - The lock is granted.</li> <li>▪ 1 - The system is waiting to lock the object.</li> </ul>	...	...	...	...	Name	Type	Restriction	Description	...	...	...	...	LOCK_OBJECT_ID	xmlDocument	Yes	The unique identifier of the object being locked.	LOCK_STATUS	xsd:int	Yes	The lock status. <ul style="list-style-type: none"> <li>▪ 0 - The system is waiting to lock the object.</li> </ul>
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2021/04/19	<p>In section 3.1.4.2.2.1.3.44.1, Columns, the names of the SESSION_READ_KB and SESSION_WRITE_KB columns were clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="386 512 1421 919"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Restriction</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>SESSION_READS_KB</td> <td>xsd:unsignedLong</td> <td></td> <td>The accumulated value of data read from disk, in kilobytes, since the start of the session.</td> </tr> <tr> <td>SESSION_WRITES_KB</td> <td>xsd:unsignedLong</td> <td></td> <td>The accumulated value of data written to the disk, in kilobytes, since the start of the session.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="386 1031 1421 1438"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Restriction</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>SESSION_READ_KB</td> <td>xsd:unsignedLong</td> <td></td> <td>The accumulated value of data read from disk, in kilobytes, since the start of the session.</td> </tr> <tr> <td>SESSION_WRITE_KB</td> <td>xsd:unsignedLong</td> <td></td> <td>The accumulated value of data written to the disk, in kilobytes, since the start of the session.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>				Name	Type	Restriction	Description	...	...	...	...	SESSION_READS_KB	xsd:unsignedLong		The accumulated value of data read from disk, in kilobytes, since the start of the session.	SESSION_WRITES_KB	xsd:unsignedLong		The accumulated value of data written to the disk, in kilobytes, since the start of the session.	...	...	...	...	Name	Type	Restriction	Description	...	...	...	...	SESSION_READ_KB	xsd:unsignedLong		The accumulated value of data read from disk, in kilobytes, since the start of the session.	SESSION_WRITE_KB	xsd:unsignedLong		The accumulated value of data written to the disk, in kilobytes, since the start of the session.	...	...	...	...
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2021/04/19	<p>In section 3.1.4.2.2.1.3.58.1, Columns, the name of the RIViolation_COUNT column was clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="386 1619 1421 1793"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Restriction</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>RIViolationCOUNT</td> <td>xsd:long</td> <td></td> <td>The number of relationships that have RI violations.</td> </tr> </tbody> </table>				Name	Type	Restriction	Description	...	...	...	...	RIViolationCOUNT	xsd:long		The number of relationships that have RI violations.																												
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2021/04/19	<p>In section 3.1.4.2.2.1.3.63.1, Columns, the description of the RETURN_TYPE column was clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="388 688 1427 919"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Restriction</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>RETURN_TYPE</td> <td>xsd:int</td> <td>No</td> <td>The data type (DBTYPE) that is returned by the function.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="388 1031 1427 1262"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Restriction</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> <tr> <td>RETURN_TYPE</td> <td>xsd:int</td> <td>No</td> <td>The OLE DB data type that is returned by the function.</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>	Name	Type	Restriction	Description	...	...	...	...	RETURN_TYPE	xsd:int	No	The data type (DBTYPE) that is returned by the function.	...	...	...	...	Name	Type	Restriction	Description	...	...	...	...	RETURN_TYPE	xsd:int	No	The OLE DB data type that is returned by the function.	...	...	...	...
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2021/04/19	<p>In section 3.1.4.3.2.1.1.29, ImageLoad, the definition of the <b>ReadWriteMode</b> element was modified.</p> <p>Changed from:</p> <pre data-bbox="420 1457 1317 1482" style="background-color: #f0f0f0; padding: 5px;">&lt;xsd:element ref="eng100:ReadWriteMode" minOccurs="1" maxOccurs="1" /&gt;</pre> <p>Changed to:</p> <pre data-bbox="420 1654 1304 1680" style="background-color: #f0f0f0; padding: 5px;">&lt;xsd:element ref="eng100:ReadWriteMode" minOccurs="1" maxOccurs="1" &gt;</pre>																																

\*Date format: YYYY/MM/DD