

[MS-DTSX]: Data Transformation Services Package XML File Format

This topic lists the Errata found in the MS-DTSX 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.



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Errata below are for Data Portability Document Version [V8.0 – 2021/02/11](#).

Errata Published*	Description
2021/09/21	<p>In sections 2.4, ExecutableTypePackage, 2.6.2.1, ExecutableType Instance for Sequence, 2.6.2.2, ExecutableType Instance for ForEachLoop, and 2.6.2.3, ExecutableType Instance for ForLoop, the number of times that the Variable element can occur was clarified.</p> <p>Changed from:</p> <pre data-bbox="574 793 1224 842"><xs:element name="Variable" type="DTS:VariableType" maxOccurs="unbounded"/></pre> <p>Changed to:</p> <pre data-bbox="574 947 1224 995"><xs:element name="Variable" type="DTS:VariableType" minOccurs="0" maxOccurs="unbounded"/></pre>
2021/09/21	<p>In section 2.6.4.2, ExecutableType Instance for Check Integrity Task, the end tag was added to the XSD for the MaintenanceCheckIntegrityExe element.</p> <p>Changed from:</p> <pre data-bbox="526 1220 1338 1352">. . . </xs:simpleType> </xs:attribute> <xs:attribute name="ThreadHint" use="optional" type="xs:int"/> </xs:complexType></pre> <p>Changed to:</p> <pre data-bbox="496 1509 1338 1625">. . . </xs:simpleType> </xs:attribute> <xs:attribute name="ThreadHint" use="optional" type="xs:int"/> </xs:complexType> </xs:element></pre>
2021/09/21	<p>In section 2.6.4.6, ExecutableType Instance for Notify Operator Task, the name of the OperatorNotifyList element was clarified.</p> <p>Changed from:</p>

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	<ul style="list-style-type: none"> ▪ . . . This instance of the SqlTaskData element MUST NOT contain elements except for the NotifyOperator element. . . . <p>Changed to:</p> <ul style="list-style-type: none"> ▪ . . . This instance of the SqlTaskData element MUST NOT contain elements except for the OperatorNotifyList element. . . . 									
2021/09/21	<p>In section 2.7.1.1.1.1.3.1, PipelineComponentInputType, the properties element was added to the XSD and the table.</p> <p>Changed from:</p> <pre data-bbox="521 764 1352 1052"> <xs:complexType name="PipelineComponentInputType"> <xs:sequence> <xs:element name="inputColumns" type="DTS:PipelineComponentInputColumnsType" minOccurs="0" form="unqualified"/> <xs:element name="externalMetadataColumns" type="DTS:PipelineComponentMetadataColumnsType" minOccurs="0" form="unqualified"/> </xs:sequence> <xs:attributeGroup ref="DTS:PipelineComponentInputOutputElementAttributeGroup"/> </xs:complexType> </pre> <p>The following table specifies the elements of the PipelineComponentInputType type.</p> <table border="1" data-bbox="464 1140 1414 1394"> <thead> <tr> <th data-bbox="464 1140 659 1192">Element</th> <th data-bbox="659 1140 1097 1192">Type definition</th> <th data-bbox="1097 1140 1414 1192">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="464 1192 659 1346">inputColumns</td> <td data-bbox="659 1192 1097 1346">PipelineComponentInputColumnsType</td> <td data-bbox="1097 1192 1414 1346">A complex type that specifies a collection of input columns that are associated with the input element.</td> </tr> <tr> <td data-bbox="464 1346 659 1394">. . .</td> <td data-bbox="659 1346 1097 1394">. . .</td> <td data-bbox="1097 1346 1414 1394">. . .</td> </tr> </tbody> </table> <p>Changed to:</p> <pre data-bbox="521 1493 1352 1822"> <xs:complexType name="PipelineComponentInputType"> <xs:sequence> <xs:element name="properties" type="DTS:PipelineComponentInputPropertiesType" minOccurs="0" form="unqualified"/> <xs:element name="inputColumns" type="DTS:PipelineComponentInputColumnsType" minOccurs="0" form="unqualified"/> <xs:element name="externalMetadataColumns" type="DTS:PipelineComponentMetadataColumnsType" minOccurs="0" form="unqualified"/> </xs:sequence> <xs:attributeGroup ref="DTS:PipelineComponentInputOutputElementAttributeGroup"/> </xs:complexType> </pre>	Element	Type definition	Description	inputColumns	PipelineComponentInputColumnsType	A complex type that specifies a collection of input columns that are associated with the input element.
Element	Type definition	Description								
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	<p data-bbox="521 268 740 296" style="text-align: center;"><code></xs:complexType></code></p> <p data-bbox="448 348 1390 375">The following table specifies the elements of the PipelineComponentInputType type.</p> <table border="1" data-bbox="464 382 1414 764"> <thead> <tr> <th data-bbox="464 382 659 428">Element</th> <th data-bbox="659 382 1109 428">Type definition</th> <th data-bbox="1109 382 1414 428">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="464 428 659 558">properties</td> <td data-bbox="659 428 1109 558">PipelineComponentInputPropertiesType</td> <td data-bbox="1109 428 1414 558">A complex type that specifies a collection of properties for an input element.</td> </tr> <tr> <td data-bbox="464 558 659 716">inputColumns</td> <td data-bbox="659 558 1109 716">PipelineComponentInputColumnsType</td> <td data-bbox="1109 558 1414 716">A complex type that specifies a collection of input columns that are associated with the input element.</td> </tr> <tr> <td data-bbox="464 716 659 764">...</td> <td data-bbox="659 716 1109 764">...</td> <td data-bbox="1109 716 1414 764">...</td> </tr> </tbody> </table>	Element	Type definition	Description	properties	PipelineComponentInputPropertiesType	A complex type that specifies a collection of properties for an input element.	inputColumns	PipelineComponentInputColumnsType	A complex type that specifies a collection of input columns that are associated with the input element.
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...											
2021/09/21	<p data-bbox="448 856 1333 911">In section 2.7.1.11.1.1.1.1, SqlTaskDatabaseSelectionTypeEnum, the name of the applicable attribute was clarified.</p> <p data-bbox="448 953 610 980">Changed from:</p> <p data-bbox="448 1022 1382 1077">The SqlTaskDatabaseSelectionTypeEnum type contains the enumeration values for the SelectionType attribute.</p> <p data-bbox="448 1119 578 1146">Changed to:</p> <p data-bbox="448 1188 1382 1243">The SqlTaskDatabaseSelectionTypeEnum type contains the enumeration values for the DatabaseSelectionType attribute.</p>												
2021/09/21	<p data-bbox="448 1291 1357 1346">In section 2.7.1.11.1.1.1.8, SqlTaskBaseAttributeGroup, the type of the Connection attribute was clarified.</p> <p data-bbox="448 1388 610 1415">Changed from:</p> <p data-bbox="545 1436 1187 1463" style="text-align: center;"><code><xs:attribute name="Connection" type="xs:string"/></code></p> <p data-bbox="448 1516 578 1543">Changed to:</p> <p data-bbox="545 1564 1170 1591" style="text-align: center;"><code><xs:attribute name="Connection" type="DTS:uuid"/></code></p>												
2021/09/21	<p data-bbox="448 1661 1227 1715">In section 2.7.1.11.1.1.1.10, BackupTaskAttributeGroup, the type of the BackupCompressionAction attribute was clarified.</p> <p data-bbox="448 1757 610 1785">Changed from:</p> <p data-bbox="545 1806 1105 1833" style="text-align: center;"><code><xs:attribute name="BackupCompressionAction"</code></p>												

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	<p style="text-align: center;">type="SQLTask:BackupCompressionEnum"/></p> <p>Changed to:</p> <p style="text-align: center;"><xs:attribute name="BackupCompressionAction" type="SQLTask:BackupCompressionActionEnum"/></p>																
2021/09/21	<p>In section 2.7.1.13, FtpDataObjectDataType, the type of the TaskOperationType attribute was clarified.</p> <p>Changed from:</p> <p style="text-align: center;"><xs:attribute name="TaskOperationType" type="xs:string"</p> <p>Changed to:</p> <p style="text-align: center;"><xs:attribute name="TaskOperationType" type="DTS:FtpDataTaskOperationTypeEnum"</p>																
2021/09/21	<p>In section 2.7.1.15.3, ScriptProjectBreakpointType, the description of the Condition attribute was clarified.</p> <p>Changed from:</p> <table border="1" data-bbox="462 1073 1416 1352"> <thead> <tr> <th data-bbox="462 1073 607 1125">Attribute</th> <th data-bbox="607 1073 1416 1125">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="462 1125 607 1178">...</td> <td data-bbox="607 1125 1416 1178">...</td> </tr> <tr> <td data-bbox="462 1178 607 1299">Condition</td> <td data-bbox="607 1178 1416 1299">A string value that specifies a condition that can be evaluated as a Boolean, to determine whether the breakpoint is fired. Whether the breakpoint is fired depends upon this Condition value and upon the values of the attributes ConditionType, HitCount, and HitType.</td> </tr> <tr> <td data-bbox="462 1299 607 1352">...</td> <td data-bbox="607 1299 1416 1352">...</td> </tr> </tbody> </table> <p>Changed to:</p> <table border="1" data-bbox="462 1430 1416 1736"> <thead> <tr> <th data-bbox="462 1430 607 1482">Attribute</th> <th data-bbox="607 1430 1416 1482">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="462 1482 607 1535">...</td> <td data-bbox="607 1482 1416 1535">...</td> </tr> <tr> <td data-bbox="462 1535 607 1686">Condition</td> <td data-bbox="607 1535 1416 1686">A string value that specifies a condition that can be evaluated as a Boolean, to determine whether the breakpoint is fired. Whether the breakpoint is fired depends upon this Condition value and upon the values of the attributes ConditionType, HitCount, and HitCountType.</td> </tr> <tr> <td data-bbox="462 1686 607 1736">...</td> <td data-bbox="607 1686 1416 1736">...</td> </tr> </tbody> </table>	Attribute	Description	Condition	A string value that specifies a condition that can be evaluated as a Boolean, to determine whether the breakpoint is fired. Whether the breakpoint is fired depends upon this Condition value and upon the values of the attributes ConditionType , HitCount , and HitType	Attribute	Description	Condition	A string value that specifies a condition that can be evaluated as a Boolean, to determine whether the breakpoint is fired. Whether the breakpoint is fired depends upon this Condition value and upon the values of the attributes ConditionType , HitCount , and HitCountType
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2021/09/21	<p>In section 2.7.1.16.1.1.1, SendMailTaskType, the type of the SMTPServer attribute was clarified.</p>																

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	<p>Changed from:</p> <pre data-bbox="548 359 1187 386"><xs:attribute name="SMTPServer" type="xs:string"/></pre> <p>Changed to:</p> <pre data-bbox="548 489 1175 516"><xs:attribute name="SMTPServer" type="DTS:uuid"/></pre>
2021/09/21	<p>In section 2.8.4.1, VariablePropertyNameEnum, the start tag was added to the XSD.</p> <p>Changed from:</p> <pre data-bbox="548 705 1175 774"><xs:union memberTypes="DTS:BasePropertyNameEnum"> <xs:simpleType> . . .</pre> <p>Changed to:</p> <pre data-bbox="516 884 1175 974"><xs:simpleType name="VariablePropertyNameEnum"> <xs:union memberTypes="DTS:BasePropertyNameEnum"> <xs:simpleType> . . .</pre>
2021/09/21	<p>In section 2.9.6, SourceTypeEnum, the name of the type was clarified in the XSD.</p> <p>Changed from:</p> <pre data-bbox="516 1167 1084 1194"><xs:simpleType name="SqlStmtSourceTypeEnum"></pre> <p>Changed to:</p> <pre data-bbox="516 1297 997 1325"><xs:simpleType name="SourceTypeEnum"></pre>
2021/09/21	<p>In section 5.1, DTS XSD, the maxOccurs attribute was removed from the VariableValue element of the VariableType complex type.</p> <p>Changed from:</p> <pre data-bbox="516 1539 1289 1629"><xs:complexType name="VariableType"> . . . <xs:element name="VariableValue" maxOccurs="unbounded" > . . .</pre> <p>Changed to:</p> <pre data-bbox="516 1738 997 1829"><xs:complexType name="VariableType"> . . . <xs:element name="VariableValue"> . . .</pre>

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2021/09/21	<p>In section 5.1, DTS XSD, the type was clarified for various attributes of the TransferSqlServerObjectsTaskDataObjectDataType complex type, and the schema definition for the ListStringType type was removed.</p> <p>Changed from:</p> <pre data-bbox="495 451 1421 1627"> <xs:complexType name="TransferSqlServerObjectsTaskDataObjectDataType"> . . . <xs:attribute name="LoginsList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="UsersList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="RulesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="TablesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="ViewsList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="StoredProceduresList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="UserDefinedFunctionsList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="DefaultsList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="UserDefinedDataTypesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="PartitionFunctionsList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="PartitionSchemesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="SchemasList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="SqlAssembliesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="UserDefinedAggregatesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="UserDefinedTypesList" type="DTS:ListStringType" form="unqualified"/> <xs:attribute name="XmlSchemaCollectionsList" type="DTS:ListStringType" form="unqualified"/> . . . <xs:attribute name="CopyAllDRIObjects" type="xs:boolean" form="unqualified"/> </xs:complexType> <xs:simpleType name="ListStringType"> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]+,?([0-9]+,.,){0,}" /> </xs:restriction> </xs:simpleType> <xs:simpleType name="TransferSqlServerObjectsTaskExistingDataEnum"> . . . </pre> <p>Changed to:</p> <pre data-bbox="495 1732 1421 1900"> <xs:complexType name="TransferSqlServerObjectsTaskDataObjectDataType"> . . . <xs:attribute name="LoginsList" type="xs:string" form="unqualified"/> <xs:attribute name="UsersList" type="xs:string" form="unqualified"/> <xs:attribute name="RulesList" type="xs:string" </pre>

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	<pre> form="unqualified"/> <xs:attribute name="TablesList" type="xs:string" form="unqualified"/> <xs:attribute name="ViewsList" type="xs:string" form="unqualified"/> <xs:attribute name="StoredProceduresList" type="xs:string" form="unqualified"/> <xs:attribute name="UserDefinedFunctionsList" type="xs:string" form="unqualified"/> <xs:attribute name="DefaultsList" type="xs:string" form="unqualified"/> <xs:attribute name="UserDefinedDataTypesList" type="xs:string" form="unqualified"/> <xs:attribute name="PartitionFunctionsList" type="xs:string" form="unqualified"/> <xs:attribute name="PartitionSchemesList" type="xs:string" form="unqualified"/> <xs:attribute name="SchemasList" type="xs:string" form="unqualified"/> <xs:attribute name="SqlAssembliesList" type="xs:string" form="unqualified"/> <xs:attribute name="UserDefinedAggregatesList" type="xs:string" form="unqualified"/> <xs:attribute name="UserDefinedTypesList" type="xs:string" form="unqualified"/> <xs:attribute name="XmlSchemaCollectionsList" type="xs:string" form="unqualified"/> . . . <xs:attribute name="CopyAllDRIObjects" type="xs:boolean" form="unqualified"/> </xs:complexType> <xs:simpleType name="TransferSqlServerObjectsTaskExistingDataEnum"> . . . </pre>
2021/09/21	<p>In section 5.1, DTS XSD, the name attribute was added to the PipelineComponentPropertyAttributeGroup group.</p> <p>Changed from:</p> <pre> <xs:attributeGroup name="PipelineComponentPropertyAttributeGroup"> <xs:attribute name="id" type="xs:string" form="unqualified"/> <xs:attribute name="dataType" type="DTS:PipelineComponentDataTypeEnum" form="unqualified"/> <xs:attribute name="state" type="DTS:PipelineComponentStateEnum" form="unqualified"/> . . . </pre> <p>Changed to:</p> <pre> <xs:attributeGroup name="PipelineComponentPropertyAttributeGroup"> <xs:attribute name="id" type="xs:string" form="unqualified"/> <xs:attribute name="dataType" type="DTS:PipelineComponentDataTypeEnum" form="unqualified"/> <xs:attribute name="name" type="xs:string" form="unqualified"/> <xs:attribute name="state" </pre>

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	<pre> type="DTS:PipelineComponentStateEnum" form="unqualified"/> . . . </pre>
2021/09/21	<p>In section 5.1, DTS XSD, the enumeration values of the DtsDataTypeEnum type were clarified.</p> <p>Changed from:</p> <pre> <xs:simpleType name="DtsDataTypeEnum"> <xs:restriction base="xs:int"> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="11"/> <xs:enumeration value="13"/> <xs:enumeration value="16"/> <xs:enumeration value="17"/> <xs:enumeration value="18"/> <xs:enumeration value="19"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> </xs:restriction> </xs:simpleType> </pre> <p>Changed to:</p> <pre> <xs:simpleType name="DtsDataTypeEnum"> <xs:restriction base="xs:int"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="11"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="16"/> <xs:enumeration value="17"/> <xs:enumeration value="18"/> <xs:enumeration value="19"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> <xs:enumeration value="64"/> <xs:enumeration value="72"/> <xs:enumeration value="129"/> <xs:enumeration value="130"/> <xs:enumeration value="131"/> <xs:enumeration value="133"/> <xs:enumeration value="134"/> <xs:enumeration value="135"/> <xs:enumeration value="139"/> </xs:restriction> </xs:simpleType> </pre>

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	<pre> <xs:enumeration value="145"/> <xs:enumeration value="146"/> </xs:restriction> </xs:simpleType> </pre>
2021/09/21	<p>In section 5.1, DTS XSD, the pattern value of the uuid type was clarified.</p> <p>Changed from:</p> <pre> <xs:simpleType name="uuid"> <xs:restriction base="xs:string"> <xs:pattern value="\{[0-9a-zA-Z]{8}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{12}\}" /> <xs:pattern value="" /> </xs:restriction> </xs:simpleType> </pre> <p>Changed to:</p> <pre> <xs:simpleType name="uuid"> <xs:restriction base="xs:string"> <xs:pattern value="\{[0-9a-zA-Z]{8}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{4}-[0-9a-zA-Z]{12}\}" /> </xs:restriction> </xs:simpleType> </pre>
2021/09/21	<p>In section 5.2, WebServiceTask XSD, the "File" enumeration value of the WebServiceTaskDataOutputTypeEnum type was clarified.</p> <p>Changed from:</p> <pre> <xs:simpleType name="WebServiceTaskDataOutputTypeEnum"> <xs:restriction base="xs:string"> <xs:enumeration value="FileConnection"/> <xs:enumeration value="Variable"/> </xs:restriction> </xs:simpleType> </pre> <p>Changed to:</p> <pre> <xs:simpleType name="WebServiceTaskDataOutputTypeEnum"> <xs:restriction base="xs:string"> <xs:enumeration value="File"/> <xs:enumeration value="Variable"/> </xs:restriction> </xs:simpleType> </pre>
2021/09/21	<p>In section 5.6, Exec80PackageTask XSD, the type of the PackageID and PackageVersionGUID attributes of the Exec80PackageTaskType type was clarified.</p> <p>Changed from:</p> <pre> <xs:attribute name="PackageID" type="DTS:uuid"/> <xs:attribute name="PackageVersionGUID" type="DTS:uuid"/> </pre>

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	<p>Changed to:</p> <pre data-bbox="548 323 1289 373"><xs:attribute name="PackageID" type="xs:string"/> <xs:attribute name="PackageVersionGUID" type="xs:string"/></pre>
2021/09/21	<p>In section 5.8, SQLTask XSD, the type of the SqlTaskData element was clarified.</p> <p>Changed from:</p> <pre data-bbox="521 562 1300 613"><xs:element name="SqlTaskData" type="SQLTask:SqlTaskDataElementBackupTaskType"/></pre> <p>Changed to:</p> <pre data-bbox="521 716 1084 766"><xs:element name="SqlTaskData" type="SQLTask:SqlTaskDataType"/></pre>

*Date format: YYYY/MM/DD