

Oracle[®] Essbase Integration Services Release 9.3

OLAP Metaoutline Document Type Definition (DTD)

For Release 11.1.2.1



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OLAP Metaoutline DTD Table

Version: <?xml version="1.0" encoding=UTF-8">
<!--edited with XML Spy v3.0 NT (<http://www.xmlspy.com>)-->

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ELEMENT MetaOtl (MetaOtlDim*, MetaOtlAttributeDim*, MetaOtlMeasure*, MetaOtlFilter+, MetaOtlProperty*, MetaOtlDTRReport*, MetaOtlMemberPredicate*)>	Indicates that the metadata for an OLAP metaoutline includes dimensions, attribute dimensions, measures, filters, properties, and drill-through information.	The MetaOtl (metaoutline) element consists of the following child elements: • MetaOtlDim—Dimensions. • MetaOtlAttributeDim—Attribute dimensions. • MetaOtlMeasure—Data measures. • MetaOtlFilter—Filters. • MetaOtlProperty—Metaoutline properties. • MetaOtlDTRReport—Drill-through report information. • MetaOtlMemberPredicate—Metaoutline data load SQL.
<!--Values for accessCode: 0 = No access for non-owners, 1 = Read access for non-owners, 2 = Read/Write access for non-owners.-->		
<!--Values for dtPromptDatasource (Prompt for data source during customization of drill-through reports by end user): 0 = No, 1 = Yes.-->		
<!--Values for dtPromptEISServer: 0 = No, 1 = Yes.-->		
<!ATTLIST MetaOtl name CDATA #REQUIRED desc CDATA #IMPLIED accessCode (0 1 2) "2" owner NMTOKEN #IMPLIED datasource CDATA #IMPLIED modelName CDATA #REQUIRED lastChangeTimestamp CDATA #IMPLIED dtPromptDatasource (0 1) "1" dtPromptEISServer (0 1) "1" version (1.9.0.0.0 2.0.0.0.0 6.1.0.0.0 6.2.0 6.5.0 6.5.1 6.5.2 6.5.3 6.5.4 7.0 7.1 7.1.2 9.0.0 9.0.1 9.2.0 9.3.0 11.1.1.0.0 11.1.1.1.0 11.1.2.0 11.1.2.1.0) #REQUIRED>	Provides high-level information about a metaoutline, including security and ownership information.	The attributes of the MetaOtl (metaoutline) element are: • name—Each OLAP metaoutline must be saved with a valid name. • desc—OLAP metaoutline descriptions are optional. • accessCode—Defines access to the: 0 = Exclusive access for metaoutline creator 1 = Read-only access for users other than the creator 2 = Read/Write access for users other than the creator (default) • owner (creator)—The name of the owner of the metaoutline. • datasource—The name of the data source for the OLAP metaoutline.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtl (<i>Continued</i>)		- modelName—The name of the OLAP model upon which the metaoutline is based. - lastChangeTimestamp— The last time changes were made to the metaoutline. - dTPromptDatasource—Determines whether end users are prompted for data source information when they customize drill-through reports. Valid values are: 0 = No 1 = Yes - dTPromptEISServer—Determines whether end users are prompted for the Essbase Integration Server name when they customize drill-through reports. Valid values are: 0 = No 1 = Yes - version—Indicates the Essbase Integration Services Release 1.9, 2.0, 6.1, 6.2, 6.5, 6.5.1, 6.5.2, 6.5.3, 6.5.4, 7.0, 7.1, 7.1.2, 9.0, 9.0.1, 9.2, 9.3, 11.1.1, 11.1.1.1, 11.1.2, 11.1.2.1 OLAP Metadata Catalog.
<!ELEMENT MetaOtlDim (MetaOtlDimMember*, MetaOtlProperty*)>	Indicates the details of a metaoutline dimension.	The MetaOtlDim (metaoutline dimension) element consists of the following child elements: - MetaOtlDimMember—Metaoutline dimension members. - MetaOtlProperty—Properties that describe the metaoutline dimension.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!--Values for type: 0 = Standard, 1 = Accounts, 2 = User-defined Dimension.-->		
<!ATTLIST MetaOtlDim name CDATA #REQUIRED desc CDATA #IMPLIED modelDimName CDATA #IMPLIED type (0 1 2) "0">	Provides information about a dimension in a metaoutline, including the dimension name, the OLAP model dimension with which the dimension is associated (unless it is a user-defined dimension), and the type of dimension.	The attributes of the MetaOtlDim (metaoutline dimension) element are: - name—Each metaoutline dimension must have a valid name. - desc—Dimension description is optional. - modelDimName—The name of the corresponding OLAP model dimension, unless the corresponding dimension is a user-defined dimension. - type (0 1 2)—The type of dimension. Valid values are: 0 = Standard (includes the Time dimension) 1 = Accounts 2 = User-defined dimension
<!ELEMENT MetaOtlAttributeDim (MetaOtlDimMember*, MetaOtlProperty*)>	Indicates the details of a metaoutline attribute dimension.	The MetaOtlAttributeDim (metaoutline attribute dimension) element consists of the following child elements: - MetaOtlDimMember - MetaOtlProperty
<!ATTLIST MetaOtlAttributeDim name CDATA #REQUIRED desc CDATA #IMPLIED modelDimName CDATA #IMPLIED dataType (Text Numeric Boolean Date) "Text" baseDimName CDATA #REQUIRED>	Indicates the details of an attribute dimension in a metaoutline.	The attributes of the MetaOtlAttributeDim (metaoutline attribute dimension) element are: - name—Each attribute dimension must have a valid name. - desc—Attribute dimension description is optional. - modelDimName—The name of the corresponding OLAP model dimension name, unless the corresponding dimension is a user-defined dimension. - dataType (Text Numeric Boolean Date). Default = "Text". - baseDimName—The name of the base dimension for the attribute dimension.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ELEMENT MetaOtlMeasure (MetaOtlProperty*, MetaOtlMemberPredicate*)>	Indicates the details of data measures for a metaoutline.	The MetaOtlMeasure (metaoutline database measures) element consists of the following child elements: • MetaOtlProperty • MetaOtlMemberPredicate
<!--ATTLIST MetaOtlMeasure name CDATA #REQUIRED modelViewName CDATA #IMPLIED modelMemberName CDATA #IMPLIED transformation CDATA #IMPLIED-->	Indicates the details of data measures of a metaoutline.	The attributes of the MetaOtlMeasure (metaoutline data measures) element are: • name—The database measures name. • modelViewName—The name of the associated view from the OLAP model. • modelMemberName—The name of the associated member in the OLAP model. • transformation—The transformation rule definition to be used by Integration Services.
<!ELEMENT MetaOtlDimMember (MetaOtlProperty*, MetaOtlMemberPredicate*)>	Indicates the properties of a metaoutline dimension member.	The MetaOtlDimMember (metaoutline dimension member) element consists of the following child elements: • MetaOtlProperty—The properties of the metaoutline element. • MetaOtlMemberPredicate—The properties of the predicate associated with the dimension member.
<!--ATTLIST MetaOtlDimMember name CDATA #REQUIRED desc CDATA #IMPLIED modelViewName CDATA #IMPLIED modelMemberName CDATA #IMPLIED transformation CDATA #IMPLIED type (0 1 2) "0" parentMemberName CDATA #IMPLIED-->	Indicates the details of a dimension member of a metaoutline.	The attributes of the MetaOtlDimMember (metaoutline dimension member) element are: • name—The dimension member name. • desc—Dimension member description is optional. • modelViewName—The name of the associated view from the OLAP model. • modelMemberName—The name of the associated member in the OLAP model. • transformation—The transformation rule definition to be used by Integration Server for the dimension member.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtlDimMember (Continued)		- type (0 1 2)—The type of dimension member (default = "0"). Valid values for type: 0 = Standard 1 = User-defined member 2 = Measure - parentMemberName—The parent dimension member name of this dimension member, unless the member is a user-defined dimension.
<!--transformation—specifies the transformation to be done by Integration Server.-->		
<!--Value for type: 0 = Regular, 1 = User-defined Member, 2 = Measure-->		
<!ELEMENT MetaOtlProperty EMPTY>	Indicates the properties of an OLAP metaoutline element, such as dimension, member (including Hybrid Analysis properties for members), measure, and so on.	The MetaOtlProperties (metaoutline properties) element has no child elements.
<!--In the case of a static property, the staticValue will contain a valid value and viewName and memberName will be blank.-->		
<!--In the case of a dynamic property, the staticValue will be blank and viewName and memberName will contain valid values.-->		
<!--instanceNo specifies the sequence in which properties should be displayed in case a member has more than one property of same kind, such as a UDA.-->		
<!--Attribute_Association_Values. If by level, staticValue attribute will contain the level number. If by member name, viewName will contain the metaoutline dimension name and memberName will contain unique member names.-->		
<!--Comment Properties starting with GS, are Global Settings Properties. For values and description of these properties, please refer to Essbase documentation.-->		

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtlProperty type (Dimension_Type Consolidation_Attribute Two_Pass_Calc Data_Storage_Attribute Time_Balance Time_Balance_Skip Variance_Report Currency_Conversion Currency_Conversion_Category Density Drill_Down_Attribute Alias Default_Bucket Duplicate_Members MemberSet_Sort_Flag Sort_Ascending Sort_Descending MemberSet_Load_Flag MemberSet_Load_Cutoff MemberSet_Recursive_Depth Formula Use_Defined_Attribute Dynamic_Time Size_Governor Time_Governor Partial_View_Flag Attributes GS_GEN_BY_NAME GS_USE_NAME_OF GS_DELIMITER GS_DATE_FORMAT GS_BUCKETING_TYPE GS_TRUE_STRING GS_FALSE_STRING GS_ATTR_CALC_DIM_NAME GS_SUM_MBR_NAME GS_MAX_MBR_NAME GS_MIN_MBR_NAME GS_COUNT_MBR_NAME GS_AVERAGE_MBR_NAME Attribute_Association RPM_MBRSET_LOADCUTOFF RPM_SOURCE_DB_CONNECT_OPTION Metaoutline_Optimization DT_Template_SQL DT_Use_Template_SQL Time_In_Ticks Version_Identifier RPM_CATALOG_DSN RPM_CATALOG_USER RPM_CATALOG_PWD RPM_DATASOURCE_DSN RPM_DATASOURCE_USER RPM_DATASOURCE_PWD External_Properties DT_FILTERS Member_Default_Valid_Transform Multi_Alias_Table_1 Multi_Alias_Table_2 Multi_Alias_Table_3 Multi_Alias_Table_4 Multi_Alias_Table_5 Multi_Alias_Table_6 Multi_Alias_Table_7 Multi_Alias_Table_8 Multi_Alias_Table_9 Multi_Alias_Table_10 Multi_Alias_1 Multi_Alias_2 Multi_Alias_3 Multi_Alias_4 Multi_Alias_5 Multi_Alias_6 Multi_Alias_7 Multi_Alias_8 Multi_Alias_9 Multi_Alias_10 DTS_H_T_D DTS_Y_T_D DTS_S_T_D DTS_P_T_D DTS_Q_T_D (see next page for remaining types)	Provides information about the property of the metaoutline component. The property may have a static or dynamic value. - If the property has a staticValue, the viewName and memberName values are blank. - If the property does not have a static value, the viewName and memberName values are dynamic. They are populated with values from the source database.	The attributes of the MetaOtlProperty (metaoutline properties) element are: type—Defines the type of component in the metaoutline. See the left column for a complete list of types. (see next page for remaining attributes)

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtlProperty (continued) type (continued) DTS_M_T_D DTS_W_T_D DTS_D_T_D DT_Use_URL Essbase_Comments Currency_Name Incremental_Load_Timestamp Multi_Alias_Prefix_suffix_1 Multi_Alias_Prefix_suffix_2 Multi_Alias_Prefix_suffix_3 Multi_Alias_Prefix_suffix_4 Multi_Alias_Prefix_suffix_5 Multi_Alias_Prefix_suffix_6 Multi_Alias_Prefix_suffix_7 Multi_Alias_Prefix_suffix_8 Multi_Alias_Prefix_suffix_9 Multi_Alias_Prefix_suffix_10 Otl_Data_Storage_Model Meta_Otl_Storage_Validation_State Show_ASO_Error Meta_Otl_MDX_Enabled Member_MDX_Ordering DT_Alt_DS_Info Dim_ASO_Hier_Type Dim_ASO_Alt_Hier_Name Dim_MDX_Solve_Order Mbr_MDX_Solve_Order DT_Alt_Server_Info Is_Unique_Member_Otl Member_Key_Column Member_Key_Value Member_Name_Column Member_Sort_Order_Unique Enable_Compression_Dim) #REQUIRED staticValue CDATA #IMPLIED viewName CDATA #IMPLIED memberName CDATA #IMPLIED instanceNo CDATA #REQUIRED>		Valid values for Dim_ASO_Hier_Type are: • 0 - Dimension stored hierarchy. • 1 - Dimension dynamic hierarchy. • 2 - Dimension has multiple hierarchies and all of them are stored hierarchies. When using Dim_ASO_Hier_Type=3, the user-specified stored hierarchy will be kept in Dim_ASO_Alt_Hier_Name. The remaining attributes of the MetaOtlProperty (metaoutline properties) element are: • staticValue—Value of the property. • viewName—View name from the metaoutline. • memberName—From the preceding viewName. • instanceNo—Specifies the sequence in which properties should be displayed, in case a member has more than one property of the same kind, such as more than one UDA.
<!ELEMENT MetaOtlMemberPredicate EMPTY>	Provides information about members in a metaoutline, including information on measure filters.	The MetaOtlPredicate (metaoutline predicate) element has no child elements.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!--Values for type: 0 = Regular predicate, 2 = Measure predicate; 4 = Metaoutline data load SQL.-->		
<!ATTLIST MetaOtlMemberPredicate filterName CDATA #REQUIRED definition CDATA #REQUIRED type (0 2 4) "0">	Indicates the attributes of a member in a metaoutline.	The attributes of the MetaOtlPredicate (metaoutline predicate) element are: - filterName—The name of the metaoutline filter to which the predicate belongs. - definition—The predicate definition. - type (0 2 4). Values for type: 0 = Regular predicate (the default) 2 = Measure predicate 4 = Metaoutline data load SQL
<!ELEMENT MetaOtlFilter EMPTY>	Provides information about a metaoutline filter.	The MetaOtlFilter (metaoutline filter) element has no child elements.
<!ATTLIST MetaOtlFilter name CDATA #REQUIRED desc CDATA #IMPLIED>	Indicates the attributes of a filter in a metaoutline.	The attributes of the MetaOtlFilter (metaoutline filter) element are: - name—The name of the filter. - desc—A description of the actions that the filter performs.
<!ELEMENT MetaOtlDTRreport (MetaOtlDTMember*, MetaOtlDTIntersection*)>	Provides information about drill-through reports.	The MetaOtlDTRreport (metaoutline drill-through report) element consists of the following child elements: - MetaOtlDTMember—Drill-through member properties. - MetaOtlDTIntersection—Drill-through intersection properties.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!--timeGov—specifies the maximum time in seconds for which the query should run for drill-through reports. Default is 0, meaning unlimited.-->		
<!--rowGov—specifies the maximum number of rows to retrieve for drill-through reports. Default is 0, meaning all.-->		
<!--customizationAllowed—specifies whether the end user can customize this drill-through report. 0 = No, 1 = Yes-->		
<!ATTLIST MetaOtIDTReport name CDATA #REQUIRED desc CDATA #IMPLIED timeGov CDATA "0" rowGov CDATA "0" customizationAllowed (0 1) "0">	Indicates the attributes of a drill-through report in a metaoutline.	The attributes of the MetaOtIDTReport element are: - name—The name of the drill-through report. - desc—Drill-through report description. - timeGov—Maximum time in seconds per query. Default 0, meaning unlimited. - rowGov—Maximum number of rows to return per query. Default 0, meaning all rows can be retrieved. - customizationAllowed—Specifies whether customization by the end user is allowed. Valid values are: 0 = Customization not allowed 1 = Customization allowed
<!ELEMENT MetaOtIDTMember EMPTY>	Provides information about the intersection level on which a drill-through column is defined.	The MetaOtIDTMember element has no child elements.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!--Values for sortOrder: -1 = Not sorted, positive number specifies the position of this column in the Order By clause for drill-through query.-->		
<!--displayOrder—specifies the display order for this member in report starting from left to right.-->		
<!--sortValue—specifies the sorting method: 0 = None, 1 = Ascending, 2 = Descending. This value is valid only if sortOrder is positive.-->		
<!ATTLIST MetaOtIDTMember modelViewName CDATA #REQUIRED modelMemberName CDATA #IMPLIED sortOrder CDATA #REQUIRED displayOrder CDATA #REQUIRED sortValue (0 1 2) "0">	Indicates details about the intersection level on which a drill-through column is defined.	The attributes of the MetaOtIDTMember (metaoutline drill-through member) element are: - modelViewName—The name of the associated view from the OLAP model. - modelMemberName—The name of the associated member in the OLAP model view. - sortOrder CDATA: -1 = Not sorted - A positive number specifies the position of the column in the Order By clause for drill-through query. - displayOrder—Specifies the display order in the report for the member, starting from left to right. - sortValue (0 1 2)—Specifies the sorting method. Valid values are: 0 = None (the default) 1 = Ascending 2 = Descending. This value is valid only if sortOrder is positive.
<!ELEMENT MetaOtIDTIntersection EMPTY>	Provides information about the intersection level on which a drill-through column is defined.	The MetaOtIDTIntersection (metaoutline drill-through intersection) element has no child elements.

DTD Element (!ELEMENT)/Comment (!--)	Description	Parameters, if Applicable
<!ATTLIST MetaOtIDTIntersection dimensionName CDATA #REQUIRED memberName CDATA #IMPLIED levelId CDATA "-1" generationId CDATA "-1">	Indicates the attributes of the drill-through intersection in a metaoutline.	The attributes of the MetaOtIDTIntersection (metaoutline drill-through intersection) element. Intersections are based on either a member level or a generation level, not both. The attributes are: - dimensionName—Dimension name in the metaoutline where the intersection occurs. - memberName—Member name in the metaoutline where this intersection occurs. - levelId—Indicates the Essbase member level where the drill-through is available. - generationId—Indicates the Essbase generation level where the drill-through is available.

Legend:

- * Indicates that there can be more than one child element.
- ? Indicates that there can be zero or one child element.
- + Indicates that there can be one or more child elements.

Note:

Light-shaded areas indicate comments in the DTD.