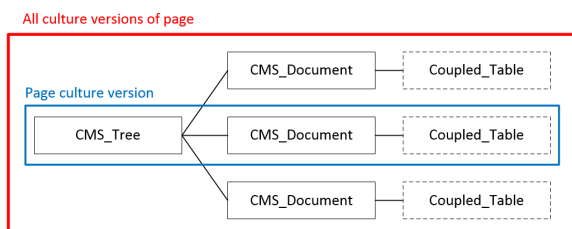


The Kentico database stores pages (nodes in the content tree of websites) in several interconnected tables:

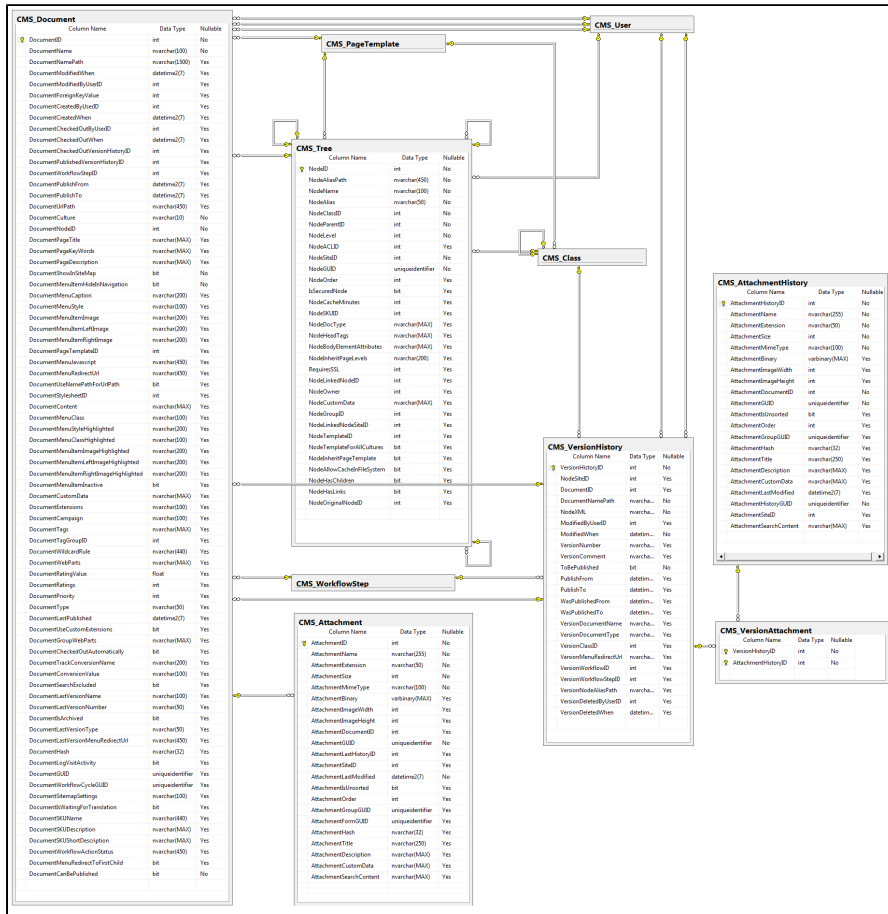
Database table	Description
CMS_Tree	<p>Stores:</p> <ul style="list-style-type: none"> Data that determines the position of pages in the website content tree Basic page properties that are shared between all language versions of the same page <p>Contains only one record for each page, regardless of the number of language versions. The table doesn't store any versioned data.</p>
CMS_Document	<p>Stores:</p> <ul style="list-style-type: none"> Page properties that have unique values for each language version The content of editable regions The data of editor widgets <p>May contain multiple records per page, one for each language version. Some of the page columns are versioned.</p>
Coupled data tables (CONTENT_<doc type>)	<p>Stores the fields of individual page types.</p> <p>For example, the <i>News</i> page type has the CONTENT_News coupled table with the columns defined for news pages, such as <i>NewsTitle</i>, <i>NewsSummary</i>, <i>NewsText</i>.</p> <ul style="list-style-type: none"> Records in the coupled data tables are bound to pages through the DocumentForeignKeyValue column of the CMS_Document table. The page type of tree nodes is determined by the NodeClassID column in the CMS_Tree table. Container page types, such as <i>Folder</i>, do not have a coupled table. Every language version of a page has its own record in the corresponding coupled data table. All columns in coupled data tables are versioned.



Page attachments and versions

Database table	Description
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CMS_Attachment	<p>Stores files uploaded to the database as page attachments.</p> <p>Includes all types of page attachments:</p> <ul style="list-style-type: none"> • Unsorted attachments added on the <i>Properties</i> -> <i>Attachments</i> tab in the <i>Pages</i> application. Such attachments are linked to the related page by storing its identifier (<i>AttachmentDocumentID</i> column). • Attachments uploaded through specific page fields (of either the <i>File</i> or <i>Attachments</i> data type) on the <i>Form</i> or <i>Content</i> tab in the <i>Pages</i> application. Such fields are represented by columns in the given page type's coupled data table. <ul style="list-style-type: none"> ◦ Page type fields of the <i>File</i> data type store a GUID value, which identifies the corresponding attachment in the <i>CMS_Attachment</i> table. ◦ For fields of the <i>Attachments</i> data type, the value in the database is always empty. Instead, the given records in the <i>CMS_Attachment</i> table store an identifier of the related page (<i>AttachmentDocumentID</i> column) and a GUID value that identifies the specific field in the page type's form definition (<i>AttachmentGroupGUID</i> column).
CMS_VersionHistory	<p>Stores page versions, including older versions and versions that are being edited. When a version is published, the system updates the corresponding records in the CMS_Tree and CMS_Document tables using the data of the version record.</p>
CMS_AttachmentHistory	<p>Stores attachments of page versions. The main purpose of this table is to avoid redundancy for page versions that use the same attachments.</p> <p>When a page version is published, the system updates the records in the CMS_Attachment table using the data of the version record.</p>
CMS_VersionAttachment	<p>Stores relationships between page versions and their page attachments.</p>



Products

Products represent merchandise or services in online stores. The system associates product objects (SKUs) with pages representing product types.

The primary product data is stored in the **COM_SKU** database table.

- Pages representing products are bound to the related SKU through the **NodeSKUID** column of the **CMS_Tree** table.
- Most product columns are **versioned** and covered by **workflow** (exceptions include the product image, as well as the *Track inventory* and *Available items* properties).
- If a product page is available in multiple **language versions** AND covered by workflow, the versioned product properties are **NOT shared between different language versions** of a single product. Any updates of the product **Price** (or other key properties) need to be made separately for each language version.

Page relationships

Database table	Description
CMS_Relationship	Stores records representing relationships between two pages. Used for both: <ul style="list-style-type: none"> Standard named relationships Ad-hoc relationships that represent re-use of a page's content within a <i>Pages</i> field of another page (see Advanced content modeling)
CMS_RelationshipName	Stores the relationship names (types) defined in the system.



CMS_RelationshipNameSite

Binding table that connects relationship names to websites. Each entry indicates that a relationship can be used on a given site.

