



Microsoft

**Community  
Training**

Database Schema Overview

&

Data Dictionary



## ABOUT THIS DOCUMENT

### PURPOSE

This Document describes Microsoft Community Training (MCT) Database schema.

### SCOPE

This document describes the schema used in the MCT MSLCatalog in Azure SQL databases. The schema includes relationships between tables, table descriptions, and definitions of the table columns.


This document does not describe the specific location and general use of these tables at the MCT platform on how to manipulate them to obtain information. Nor does it provide the formats for external file representations of the tables

### AUDIENCE

This Document is intended for users (Content Administrators, Data Management teams, BI Developers) and anyone who needs to interact with the databases or to have general understanding of data at MCT MSLCatalog.

### RELATED INFORMATION

Refer the [instructions](#) provided to access this data base from Azure SQL Databases.

Symbol	Description
	Primary Key

### LAST UPDATE DATE

This document was last updated in March 2023.

### TABLE SCHEMA: MSLCatalog

**TABLE 1**

**MLXUser**

This Table stores information at user level and their profile information.

Field	Storage Type	IS_Nullable	Description
 UserID	<i>int</i>	NO	Unique User ID, Primary Key
SignInName	<i>nvarchar</i>	YES	Not maintained
CreateDatetime	<i>datetime</i>	NO	Datetime when the user first logged in (or was added from admin portal)
ChangeDatetime	<i>datetime</i>	NO	Datetime when the user last updated their profile
CreatedBy	<i>int</i>	NO	User Id of admin that added this user (-1 if the user first logged in)
UpdatedBy	<i>int</i>	NO	Not maintained, default value -1
UserToken	<i>nvarchar</i>	YES	Unique object identifier
EmailAddress	<i>nvarchar</i>	NO	Unique user identifier used as per deployment's identity type (email, phone number etc.)
FirstName	<i>nvarchar</i>	YES	User's first name
LastName	<i>nvarchar</i>	YES	User's last name
ObjectID	<i>nvarchar</i>	YES	Unique object identifier
College	<i>nvarchar</i>	YES	Not maintained
IsActive	<i>bit</i>	NO	Determine if the user is active, default value 1
OrganizationID	<i>int</i>	NO	ID of Organization to which User belongs
RoleTypeBitMaskList	<i>bigint</i>	NO	Bit value corresponding to the role of the user
Points	<i>int</i>	NO	Not maintained, default value 0
AccessToken	<i>nvarchar</i>	YES	Not maintained
IsReferrer	<i>bit</i>	NO	Not maintained, default value FALSE
Phone	<i>nvarchar</i>	YES	Not maintained
StateName	<i>nvarchar</i>	YES	Not maintained
CityName	<i>nvarchar</i>	YES	Not maintained
CustomProfileFields	<i>nvarchar</i>	YES	JSON containing users' values for each of the custom profile fields (denoted here by their mapping id's)
Collegeld	<i>nvarchar</i>	YES	Not maintained
ProfilePicUrl	<i>nvarchar</i>	YES	Encrypted storage URL for profile picture
IsComplete	<i>bit</i>	YES	Check if all the mandatory profile fields are completed
ObjectType	<i>smallint</i>	NO	0 if user, 1 if service
TenantID	<i>Nvarchar</i>	YES	TenantId of the logged in user (for AAD deployment)

**TABLE 2**

**TABLE\_NAME: Course**


This Table stores Course related information (content URL, Created by Course ID etc).

Field	Storage Type	IS_Nullable	Description
 CourseID	<i>int</i>	NO	Unique Course ID (Primary Key)
CreateDatetime	<i>datetime</i>	NO	Course create datetime
ChangeDatetime	<i>datetime</i>	NO	Last updated datetime of a Course
CreatedBy	<i>int</i>	NO	User ID of admin who created this course
UpdatedBy	<i>int</i>	NO	User ID of admin who last updated this course
CourseStatusID	<i>smallint</i>	YES	Not maintained
CourseIconFileURL	<i>nvarchar</i>	YES	Relative Storage URL for Course Thumbnail
MasterCourseID	<i>int</i>	YES	Not maintained
Description	<i>nvarchar</i>	YES	Description given to a Course
CourseStartDate	<i>datetime</i>	YES	Not maintained
CourseEndDate	<i>datetime</i>	YES	Not maintained
CourseName	<i>nvarchar</i>	YES	The course names
RegCode	<i>nvarchar</i>	YES	Not maintained
CourseRegistrationFlow	<i>tinyint</i>	NO	auto-enrolled (1), self-enrolled (2), or admin-enrolled (3)
CertificateStatus	<i>tinyint</i>	NO	Values indicating whether there is no certificate (0), standard certificate (1), or an exam quiz certificate (3) offered in the courses
LearningFlowType	<i>tinyint</i>	NO	Restricted display order (1) or in any order (0)
CertificateTemplateId	<i>int</i>	NO	The configured certificate template id (referred from CertificateTemplate table) configured for issuing learner certificates on this course
ContentLanguage	<i>int</i>	NO	The standard language code for this course
ParentCourseId	<i>int</i>	NO	The original/parent course with default language of this course
OrgId	<i>int</i>	NO	The organization id (referring to Organization table) this course belongs to
IsPublished	<i>bit</i>	NO	Flag whether the course is published (1) or not (0)
NumPublishedLessons	<i>smallint</i>	NO	Count of published lessons in that course
NumPublishedKCs	<i>smallint</i>	NO	Count of Assessments published in a Course
NumCourseEnrollments	<i>int</i>	NO	Number of users enrolled in this course (Updated every 6 hours in UTC)
NumCourseCompletions	<i>int</i>	NO	Number of users who have completed this course (Updated every 6 hours in UTC)
RowVersion	<i>timestamp</i>	NO	Versioning column to detect changes made to a row
FeedbackFormURL	<i>nvarchar</i>	YES	URL of feedback form created for a course
ImportContentType	<i>int</i>	NO	content provider details from Content Marketplace (1- MSLearn, 2- Digital content, 3- upload by file)
ImportContentURL	<i>nvarchar</i>	YES	URL of imported content from Content Marketplace
Uuid	<i>uniqueidentifier</i>	YES	Universal Unique Identifier (ID to link Offline tables) – Not Maintained
OfflineSync	<i>bit</i>	NO	Flag to indicate Offline content sync status

**TABLE 3**

**TABLE\_NAME: Lesson**


This Table stores Lesson related information and its file type details and storage.

Field	Storage Type	IS_Nullable	Description
 LessonId	<i>int</i>	NO	The Lesson Id (Primary Key)
AuthorId	<i>int</i>	NO	User ID of Admin who created this lesson
Title	<i>nvarchar</i>	NO	Name of the Lesson
Description	<i>nvarchar</i>	NO	Not maintained
Url	<i>nvarchar</i>	NO	Streaming URL for media lessons and relative Storage URL for others
DownloadUrl	<i>nvarchar</i>	YES	Relative Storage URL for Lesson file
ThumbnailUrl	<i>nvarchar</i>	YES	Relative Storage URL for media lesson thumbnails
TotalDuration	<i>int</i>	YES	Not maintained
Tags	<i>nvarchar</i>	YES	Tags specified while creating the lesson
VideoAsset	<i>nvarchar</i>	YES	Assets created by AMS for media lessons
AlternativeMediaId	<i>uniqueidentifier</i>	YES	Streaming locator for Media service
IsProtected	<i>bit</i>	NO	Not maintained
RowVersion	<i>timestamp</i>	NO	Versioning column to detect changes made to a row
FileType	<i>nvarchar</i>	YES	Lesson's File type (Video, ppt, doc, xls, PDF, html, ExternalLink etc.)
CourseItemId	<i>int</i>	NO	ID assigned to Items (Lessons and Assessments) in Course
Uuid	<i>uniqueidentifier</i>	YES	Universal Unique Identifier (ID to link Offline tables) – Not Maintained
VideoTextTracks	<i>nvarchar</i>	YES	Metadata for subtitles/closed-captions for media lessons
LessonType	<i>int</i>	NO	type of lesson, correct version of filetype
FileExtension	<i>nvarchar</i>	YES	actual file extension of the lesson file
Metadata	<i>nvarchar</i>	YES	scorm lesson details

**TABLE 4**

**TABLE\_NAME: Question**


This Table stores Questions, its answer options, and correct answers across Courses.

Field	Storage Type	IS_Nullable	Description
 QuestionId	<i>int</i>	NO	Primary Key
AuthorId	<i>int</i>	NO	User Id of Admin who created this question
QuestionTypeId	<i>int</i>	NO	Type of question
IsActive	<i>bit</i>	NO	Not maintained
IsPrivate	<i>bit</i>	NO	Not maintained
CategoryId	<i>int</i>	YES	Not maintained
CreateDatetime	<i>datetime</i>	NO	Datetime of when this question is created
QuestionContent	<i>ntext</i>	NO	Question
Answer	<i>ntext</i>	NO	Correct answer in JSON format
AnswerOptions	<i>ntext</i>	NO	Options for that question JSON format
AnswerComments	<i>ntext</i>	NO	Not maintained
ErrorReported	<i>bit</i>	YES	Not maintained
ErrorReportExplanation	<i>ntext</i>	YES	Not maintained
UsageCount	<i>int</i>	NO	Number of quizzes that this question is a part of
IsShuffleAnswers	<i>bit</i>	NO	If answer option shuffle enabled
Weightage	<i>float</i>	NO	Weightage for question
Uuid	<i>uniqueidentifier</i>	YES	Universal Unique Identifier (ID to link Offline tables) – Not Maintained
AdditionalInfo	<i>nvarchar</i>	YES	Stores match criterion and other blank related information for each blank for a fill blank type of question

**TABLE 5**

**TABLE\_NAME: KC**


This Table stores Quiz and score related information.

Field	Storage Type	IS_Null able	Description
 KCId	<i>int</i>	NO	Unique Assessment ID, Primary Key
AuthorId	<i>int</i>	NO	ID of Admin who created this Assessment
TotalScore	<i>int</i>	NO	Total score that can achieved in this Assessment
TotalQuestions	<i>int</i>	NO	Count of total questions in assessment
CreateDatetime	<i>datetime</i>	NO	Datetime of when this assessment is created
StartDatetime	<i>datetime</i>	NO	Not maintained/ set to current date value – 7 days
EndDatetime	<i>datetime</i>	NO	Not maintained/ set to current date value + 7 days
Title	<i>nvarchar</i>	NO	Name given to assessment
Description	<i>nvarchar</i>	YES	Not maintained
IsExamMode	<i>bit</i>	YES	Flag to know if assessment is final exam
IsShuffleQuestions	<i>bit</i>	NO	Flag to know if shuffle questions enabled
MaxQuestionsOnShuffle	<i>int</i>	YES	Not maintained
IsCertificationKc	<i>bit</i>	NO	Not maintained
IsAnswerCorrectnessHidden	<i>bit</i>	NO	Not maintained
MessageOnQuizEnd	<i>nvarchar</i>	YES	Not maintained
ReminderBeforeDays	<i>int</i>	YES	Not maintained
IsSurvey	<i>bit</i>	NO	Not maintained
CourseItemId	<i>int</i>	NO	Id given to all the items (lessons and assessments) in a course
QuizType	<i>tinyint</i>	NO	Specifies whether practice quiz OR exam
PassingPercent	<i>tinyint</i>	NO	Min Percentage to Pass the assessment
NumOfAttempts	<i>int</i>	NO	No. of attempts
Uuid	uniqueidentifier	YES	Universal Unique Identifier (ID to link Offline tables) – Not Maintained

**TABLE 6**

**TABLE\_NAME: LearnerCourseActivity**


This Table stores User's Course activity, certificate information.

Field	Storage Type	IS_Nullable	Description
 LearnerCourseActivityID	<i>bigint</i>	NO	Primary Key
UserID	<i>int</i>	NO	User Id, can be joined to MLXUser table
CompletionStatus	<i>tinyint</i>	NO	Flag to note if Learner completed the course
CourseStartDatetime	<i>datetime</i>	YES	Not maintained
CourseEndDatetime	<i>datetime</i>	YES	Time when learner completed course
CreateDatetime	<i>datetime</i>	NO	Time when LCA entry was first created
ChangeDatetime	<i>datetime</i>	NO	Time when LCA entry was last updated
Score	<i>real</i>	YES	Sum of scores obtained by learner across all practice quizzes of course
CourseID	<i>int</i>	NO	Course ID, can be joined to Course Table
CertificateUrl	<i>nvarchar</i>	YES	Relative Storage URL for Learner Certificates
CertificateDate	<i>datetime</i>	YES	Not maintained
ExamScore	<i>tinyint</i>	YES	Exam score obtained by learner in a course
IsEligibleForCertificate	<i>tinyint</i>	NO	Not maintained
CertificateStatus	<i>tinyint</i>	NO	Flag indicating whether learner certificate needs to be generated on next request
NumCompletedLessons	<i>smallint</i>	NO	Not maintained
NumCompletedKCs	<i>smallint</i>	NO	Not maintained
LastLessonID	<i>int</i>	YES	Not maintained

**TABLE 7**

**TABLE\_NAME: UserStatus**

This Table stores User's Status information in team's deployment.



Field	Storage Type	IS_Nullable	Description
 UserId	<i>int</i>	NO	Unique User Id (Primary Key)
Status	<i>tinyint</i>	NO	Enum Representing: NotProcessed = 0, Processed = 1, Processing = 2, Deleted = 3
TenantId	<i>Nvarchar</i>	YES	TenantId of the logged in user (for teams deployment)



**TABLE 8**

**TABLE\_NAME: CourseUsers**


This table stores list of all the courses that are assigned to a user. These courses can be directly assigned to the user or can be assigned via a group, learning-path etc.

Field	Storage Type	IS_Nullable	Description
 CourseId	<i>int</i>	NO	Course ID (Part of Composite key), can be joined to Course Table
 UserId	<i>int</i>	NO	User ID (Part of composite Key), can be joined to MLXUser table to fetch user details.
CreatedDate	<i>datetime</i>	NO	Datetime when this entry was added

**TABLE 9**

**TABLE\_NAME: LearnerModuleProgress**


This Table stores information of Progress of Learner for a Course.

Field	Storage Type	IS_Nullable	Description
 LMPId	<i>bigint</i>	NO	Unique LMP ID, Primary key
UserId	<i>int</i>	NO	ID of User, can be joined to MLXUser table
CourseId	<i>int</i>	NO	ID of Course
CourseItemId	<i>int</i>	NO	ID assigned to a Item (Lesson, assessments)
IsComplete	<i>bit</i>	YES	Flag to know the status of the item
Score	<i>real</i>	NO	Score obtained in assessment
AddedDate	<i>datetime</i>	NO	Datetime of when this record is inserted
VideoProgressDuration	<i>int</i>	YES	Not maintained
CompletedDate	<i>datetime</i>	YES	Datetime of when the Course item is finished
UserAttempts	<i>int</i>	NO	Attempts made to complete the Course Item
Metadata	<i>nvarchar</i>	YES	Stores Metadata related to SCORM lesson

**TABLE 10**

**TABLE\_NAME: Product**



This Table stores details of a product that is linked to an offer on the platform. This table was created with a vision that an offer can have multiple type of products linked to it. Currently, we support only one kind of product that is a course on the platform and this table has one to one mapping with a course. For all practical purposes this table can be ignored and all the joins involving product can be directly performed on course table as they have the same IDs.

Field	Storage Type	IS_Nullable	Description
 ProductID	<i>int</i>	NO	Unique Product ID, Primary key (same as CourseId field in Course Table)
ProductName	<i>nvarchar</i>	NO	Same as
CreateDatetime	<i>datetime</i>	NO	Datetime when the Product was created.
ChangeDatetime	<i>datetime</i>	NO	Datetime when the Product entry was last updated.
CreatedBy	<i>int</i>	NO	User Id of the admin user who created the product.
UpdatedBy	<i>int</i>	NO	UserId of the user that last updated the product details.
ProductDesc	<i>nvarchar</i>	YES	Same as Description field from course table.
ProductTypeID	<i>smallint</i>	NO	3 – Denotes it's a course
CourseImage	<i>nvarchar</i>	YES	Same as CourseIconImageUrl from course table.
IsActive	<i>bit</i>	NO	Denotes if the Product is active or not.
Tags	<i>nvarchar</i>	YES	Unused column.

**TABLE 11**

**TABLE\_NAME: OfferProduct**


This Table stores details of all the products that belong to an offer.

Field	Storage Type	IS_Nullable	Description
 OfferID	<i>int</i>	NO	Offer ID (Part of Composite key), can be joined to Offer Table
 CourseID	<i>int</i>	NO	CourseID, can be joined to Course table
CreateDatetime	<i>datetime</i>	NO	DateTime when the mapping was created.
ChangeDatetime	<i>datetime</i>	NO	DateTime when the mapping was updated last.
CreatedBy	<i>int</i>	NO	UserId of the user that created the offer to product mapping.
UpdatedBy	<i>nvarchar</i>	NO	UserId of the user that updated the offer to product mapping.
IsRoot	<i>bit</i>	YES	Not used.

**TABLE 12**

**TABLE\_NAME: Notification**


This Table stores notification that are sent to Learners.

Field	Storage Type	IS_Nullable	Description
 NotificationId	<i>int</i>	NO	Unique Notification ID, Primary Key
Message	<i>nvarchar</i>	YES	Text contained in the notification
CreatedBy	<i>int</i>	YES	User ID of Admin who sent this notification
OrganizationId	<i>int</i>	NO	ID of Organization in which this Notification is created
DetailsJSON	<i>nvarchar</i>	YES	Course details of notification in JSON format
ActionLink	<i>nvarchar</i>	YES	Course URL for which notification was generated
Action	<i>tinyint</i>	NO	Enum Representing CourseEnrollment = 0, CourseAssignment = 1, CourseCompleted = 2, ForumReply = 3, ForumPost = 4, CourseAdded = 5, CourseUpdated = 6, QuizUnlocked = 7, CourseDeadlineApproaching = 8, LessonDeadlineApproaching = 9, QuizDeadlineApproaching = 10, CourseRecommendation = 11, CourseAdminAdded = 12, GroupAdminAdded = 13, CourseAnnouncement = 14, GroupAnnouncement = 15, GroupCourseAdded = 16
Entity	<i>tinyint</i>	NO	Enum Representing Group = 0, Course = 1, Lesson = 2, Quiz = 3, Analytics = 4, Forum = 5, Jobs = 6
Type	<i>tinyint</i>	NO	Enum Representing Announcement = 0, Notification = 1
CreateDateTime	<i>datetime</i>	NO	Datetime of when this Notification was created

**TABLE 13**

**TABLE\_NAME: NotificationRecipient**


This Table stores notification status and recipient UserID.

Field	Storage Type	IS_Nullable	Description
 NotificationRecipientId	<i>int</i>	NO	Unique Notification Recipient ID, Primary Key
NotificationId	<i>int</i>	NO	Notification ID, can be joined to Notification Table
UserId	<i>int</i>	NO	User ID of Recipient
Status	<i>tinyint</i>	NO	Enum Representing Unread = 0, Read = 1, ActionPerformed = 2
CreateDateTime	<i>datetime</i>	NO	Datetime of when this notification was sent

**TABLE 14**

**TABLE\_NAME: Organization**


This Table stores Organization details, if enabled.

Field	Storage Type	IS_Nullable	Description
 OrganizationID	<i>int</i>	NO	Unique Organization ID, Primary Key
OrganizationName	<i>nvarchar</i>	NO	Unique name of the Organization
OrganizationDesc	<i>nvarchar</i>	YES	Description given while creating an Org
CreateDatetime	<i>datetime</i>	NO	Datetime of when this Org is created
ChangeDatetime	<i>datetime</i>	NO	Datetime of when this Org is last updated
CreatedBy	<i>nvarchar</i>	NO	User ID of Admin who created this Org
UpdatedBy	<i>nvarchar</i>	NO	User ID of Admin who last Updated this Org
Settings	<i>nvarchar</i>	NO	Org Related branding settings
Url	<i>nvarchar</i>	YES	Not Maintained
Logo	<i>nvarchar</i>	YES	Not Maintained

**TABLE 15**

**TABLE\_NAME: Group**


This Table stores Group information.

Field	Storage Type	IS_Nullable	Description
 GroupID	<i>int</i>	NO	Unique ID for a Group, Primary Key
GroupName	<i>nvarchar</i>	YES	Name of the Group
Description	<i>nvarchar</i>	YES	Description given for a Group (Not Maintained)
OrgId	<i>int</i>	NO	Organization ID for which this Group is created
Rules	<i>nvarchar</i>	YES	JSON format of Rules applied for a smart group
GroupType	<i>tinyint</i>	NO	Used for checking if it is an MS Teams group
CreatedBy	<i>int</i>	NO	User Id of Admin who created this Group
CreateDateTime	<i>datetime</i>	NO	Datetime of when this group is created

**TABLE 16**

**TABLE\_NAME: GroupAdmin**


This Table stores Group Administrator information.

Field	Storage Type	IS_Nullable	Description
 GroupAdminID	<i>int</i>	NO	Group Admin unique ID, Primary Key
GroupID	<i>int</i>	NO	Group ID, can be joined to Group Table
AdminId	<i>int</i>	NO	User ID of the Admin
CreateDateTime	<i>datetime</i>	NO	Datetime of when was the Administrator added to group

**TABLE 17**

**TABLE\_NAME: GroupUser**


This Table stores Users in Group information.

Field	Storage Type	IS_Nullable	Description
 GroupUserID	<i>int</i>	NO	Unique Group user ID, Primary Key
GroupID	<i>int</i>	NO	Group ID, can be joined to Group table
UserId	<i>int</i>	NO	User ID, can be joined to MLXUser table
CreateDateTime	<i>datetime</i>	NO	Datetime of when user added to group
CreatedBy	<i>int</i>	NO	User ID of who added the user to group

**TABLE 18**

**TABLE\_NAME: LearningPath**


This Table stores Learning Path information.

Field	Storage Type	IS_Nullable	Description
 LearningPathID	<i>int</i>	NO	Unique LearningPath ID, Primary Key
Name	<i>nvarchar</i>	YES	Learning Path Name
Description	<i>nvarchar</i>	YES	Description for a LP when created
LocalizedNames	<i>nvarchar</i>	YES	Names of translated versions of LP
LocalizedDescriptions	<i>nvarchar</i>	YES	Description of translated versions of LP
DefaultLanguageCode	<i>nvarchar</i>	YES	Default language code of MCT
IconFileURL	<i>nvarchar</i>	YES	Encrypted Thumbnail storage URL
OrderRestrictionEnabled	<i>bit</i>	NO	Flag to know if Course order is restricted in this LP
CertificateTemplateId	<i>int</i>	NO	Certificate template ID
LocalizedCertificateTemplateIds	<i>nvarchar</i>	YES	Certificate template ID for localized versions of LP
OrgId	<i>int</i>	NO	Organization ID in which this LP was created
EnrollmentType	<i>bit</i>	NO	Not in use, will be used in future.
CreateDatetime	<i>datetime</i>	NO	Datetime when this LP was created
ChangeDatetime	<i>datetime</i>	NO	Datetime when this LP was last updated
CreatedBy	<i>int</i>	NO	User ID of Admin who created the LP
UpdatedBy	<i>int</i>	NO	User ID of Admin who updated the LP
CertificateStatus	<i>Tinyint</i>	NO	Flag to know if the certificate is enabled

**TABLE 19**

**TABLE\_NAME: LearningPathGroupAssignment**


This Table stores the Learning Paths that are assigned to each Group.

Field	Storage Type	IS_Nullable	Description
 LearningPathGroupMapID	<i>int</i>	NO	LP group map ID, Primary Key
LearningPathID	<i>int</i>	NO	Learning Path ID, can be joined to LearningPath Table
GroupID	<i>int</i>	NO	Group ID, can be joined to Group table
AddedDatetime	<i>datetime</i>	NO	Datetime when LP was assigned to a Group
AddedBy	<i>int</i>	NO	The User ID of the Admin, who added this group to the LP

**TABLE 20**

**TABLE\_NAME: LearningPathCourseMap**


This Table stores Courses that are put together to create Learning Path.

Field	Storage Type	IS_Nullable	Description
 LearningPathCourseMapID	<i>int</i>	NO	Unique LP Course Map ID, Primary Key
LearningPathID	<i>int</i>	NO	Learning Path ID, can be joined to Learning Path Table
CourseID	<i>int</i>	NO	Course ID, can be joined to Course table
DisplayOrder	<i>int</i>	NO	Order in which course appears in that Learning Path
CreateDatetime	<i>datetime</i>	NO	Datetime when this course was added to this LP
ChangeDatetime	<i>datetime</i>	NO	Datetime when this course was last updated in LP
CreatedBy	<i>int</i>	NO	UserID of Admin who added the courses to LP
UpdatedBy	<i>int</i>	NO	UserID of Admin who updated the courses in LP

**TABLE 21**

**TABLE\_NAME: LearningPathAdmin**


This Table stores Learning Path Administrator information.

Field	Storage Type	IS_Nullable	Description
 LearningPathAdminID	<i>int</i>	NO	Unique LP admin ID, primary key
LearningPathID	<i>int</i>	NO	Learning Path ID, can be joined to LP table
AdminUserID	<i>int</i>	NO	Learning path Admin User ID
AddedDateTime	<i>datetime</i>	NO	Datetime of when an admin was added to LP
AddedBy	<i>int</i>	NO	The User ID of the Admin, who added this user to the LP Admin list

**TABLE 22**

**TABLE\_NAME: LearningPathUserActivity**


This Table stores Learning Path completion progress for a user.

Field	Storage Type	IS_Nullable	Description
 LearningPathUserActivityID	<i>int</i>	NO	Primary Key
LearningPathID	<i>int</i>	NO	Learning Path ID, can be connected to LP table
UserID	<i>int</i>	NO	ID of the User
CompletionStatus	<i>tinyint</i>	NO	Completion Status of Learning Path
CompletionDate	<i>datetime</i>	YES	Completion date of Learning Path
CreateDatetime	<i>datetime</i>	NO	Datetime when the entry was created.
ChangeDatetime	<i>datetime</i>	NO	Datetime when the entry was last updated.
CertificateUrl	<i>nvarchar</i>	YES	Relative Storage URL for Learner LP Certificate
CertificateStatus	<i>tinyint</i>	NO	Flag indicating whether learner certificate needs to be generated on next request

**TABLE 23**

**TABLE\_NAME: GroupMapping**

This Table stores Group Mapping information in Team's deployment, so that the group present in Team's deployment is in sync with MCT.


Field	Storage Type	IS_Nullable	Description
 GroupId	<i>int</i>	NO	Unique Group Id (Primary Key)
ObjectId	<i>nvarchar</i>	NO	Corresponding ObjectId in Azure Active Directory
TenantId	<i>nvarchar</i>	YES	Tenant Id of the Azure AD group, populated only for Teams deployment
Status	<i>tinyint</i>	NO	Enum Representing: NotProcessed = 0, Processed = 1, Processing = 2, Deleted = 3



**TABLE 24**

**TABLE\_NAME: CourseGroup**


This Table stores Course Group mapping information.

Field	Storage Type	IS_Nullable	Description
 CourseGroupID	int	NO	Unique Id (Primary Key)
GroupID	int	NO	Group ID
CourseId	int	NO	Course ID
CreateDateTime	datetime	NO	The timestamp when the course was added to the group
Priority	int	NO	Priority of the course in this group

**TABLE 25**

**TABLE\_NAME: CourseInstructors**


This Table stores Course Administrator information.

Field	Storage Type	IS_Nullable	Description
 CourseId	int	NO	Course ID
InstructorEmailId	varchar	NO	Contact of the course Administrator
CreatedDate	datetime	NO	The timestamp when user was added as Admin
CreatedBy	varchar	NO	The User ID of the Admin, who added this user to the course Admin list

**TABLE 26**

**TABLE\_NAME: CourseItems**


This Table stores items (lessons and assessments) of each course.

Field	Storage Type	IS_Nullable	Description
 CourseItemId	int	NO	Unique ID (Primary key)
CourseId	int	NO	Course ID
DisplayOrder	int	NO	Display order of the course item
IsPublished	bit	NO	Flag to indicate, whether its published or not.
IsChild	bit	NO	Unused
Uuid	uniqueidentifier	YES	Universal Unique Identifier (ID to link Offline tables) - Not Maintained

**TABLE 27**

**TABLE\_NAME: KCQuestion**





This Table stores the mapping of a Quiz (KC i.e., Knowledge Check) and questions.

Field	Storage Type	IS_Nullable	Description
 KCQuestionId	int	NO	Unique ID (primary Key)
KCId	int	NO	KC ID
QuestionId	int	NO	Question ID
DisplayOrder	int	NO	Display order of the question in the quiz

**TABLE 28**

**TABLE\_NAME: LearnerKCAnswers**




This Table stores answer given by learners for the quizzes (KC).

Field	Storage Type	IS_Nullable	Description
 UserId	int	NO	User ID
 ModuleId	int	NO	KC ID
 CourseId	int	NO	Course ID
 QuestionId	int	NO	Question ID
IsCorrect	bit	NO	Flag indicating whether the user gave correct answer or not
Answer	nvarchar	YES	Used selected position number
CorrectAnswer	nvarchar	NO	Correct answer's display order
AddedTime	datetime	NO	The timestamp when the user attempted the questions
AnswerExplanation	nvarchar	YES	Unused
MigrationStatus	int	NO	Flag to denote if the entry is migrated to 'LearnerAssessmentResponses'

**TABLE 29**

**TABLE\_NAME: LearnerAssessmentResponses**


This Table stores answer given by learners for the quizzes, data from LearnerKCAnswers will be migrated to this table.

Field	Storage Type	IS_Nullable	Description
 UserId	int	NO	User ID
 ModuleId	int	NO	KC ID
 CourseId	int	NO	Course ID
Answer	nvarchar	YES	Used selected position number
MigratedTime	datetime	NO	Timestamp when data is migrated from 'LearnerKCAnswers' table
AddedTime	datetime	NO	The timestamp when the user attempted the questions

**TABLE 30**

**TABLE\_NAME: Offer**


This Table stores Category information.

Field	Storage Type	IS_Nullable	Description
 OfferID	int	NO	Category ID (Primary key)
OfferName	nvarchar	NO	Category name
LocalizedOfferNames	nvarchar	YES	Stores translated names of Category name
OfferDesc	nvarchar	YES	Category description
DefaultLanguageCode	nvarchar	YES	Stores default language code
CreateDatetime	datetime	NO	Timestamp, when this category was created
ChangeDatetime	datetime	NO	Last timestamp when this category was updated
CreatedBy	nvarchar	NO	ID of the user, who has created this category
UpdatedBy	nvarchar	NO	ID of the user, who has last updated this category
Logo	nvarchar	YES	Category Thumbnail URL
Url	nvarchar	YES	Unused
ParentOfferId	int	YES	Unused
OrgId	int	NO	ID of the organization this category belongs to
RowVersion	timestamp	NO	Not to be used for analytical queries
Uuid	uniqueidentifier	YES	Universal Unique Identifier (ID to link Offline tables) - Not Maintained

**TABLE 31**

**TABLE\_NAME: OfferAdmins**


This Table stores Category Administrator information.

Field	Storage Type	IS_Nullable	Description
 OfferId	<i>int</i>	NO	Category ID
AdminEmailId	<i>varchar</i>	NO	Contact of the category Administrator
AddedDate	<i>datetime</i>	NO	The timestamp when this user was added as the category's Admin
AddedBy	<i>nvarchar</i>	NO	The User ID of the Admin, who added this user to the category Admin list

**TABLE 32**

**TABLE\_NAME: OrganizationAdmins**


This Table stores Organization Administrator information.

Field	Storage Type	IS_Nullable	Description
 OrganizationAdminId	<i>int</i>	NO	Unique ID (Primary key)
OrganizationId	<i>int</i>	NO	Organization ID
AdminEmailId	<i>nvarchar</i>	NO	Contact of the Administrator
AddedDate	<i>datetime</i>	NO	The timestamp when this user was added as the organization's Admin
AddedBy	<i>nvarchar</i>	NO	The User ID of the Admin, who added this user to the organization Admin list

**TABLE 33**

**TABLE\_NAME: OrganizationConfig**


This Table stores Organization configurations.

Field	Storage Type	IS_Nullable	Description
 OrganizationID	int	NO	Organization ID (Primary key)
OrganizationCode	varchar	NO	Name of the organization
Settings	varchar	NO	Organization settings
Idp	varchar	NO	Identity Provider (Unused)
CustomProfileFields	nvarchar	YES	Custom profile fields for that organization
CustomProfileFieldsMigrated	bit	NO	Flag for migration status from 'OrganizationConfigNew' table
Version	nvarchar	YES	Application version information

**TABLE 34**

**TABLE\_NAME: OrganizationConfigNew**

Temporary table, this Table stores Organization configurations and will be later migrated to 'OrganizationConfig' table

Field	Storage Type	IS_Nullable	Description
 OrganizationID	int	NO	Organization ID (Primary key)
CustomProfileFields	nvarchar	YES	Org level custom profile fields
CustomProfileFieldsV3	nvarchar	YES	Created to maintain backwards compatibility, in case we want to revert Dependent fields

**TABLE 34**

**TABLE\_NAME: GlobalConfig**

Table stores Global settings applied across instance

Field	Storage Type	IS_Nullable	Description
GCId	int	NO	Global setting ID
Settings	varchar	NO	Setting applied for instance (JSON)
Idp	varchar	NO	Authentication type for instance
Version	nvarchar	YES	Version number for instance

**TABLE 35**

**TABLE\_NAME: Tenant**

This is used in to support login via multiple tenants in case of Teams deployment.

Field	Storage Type	IS_Nullable	Description
TenantId	<i>nvarchar</i>	NO	The tenantId of the tenant, this is specific to Teams Deployment
OrgId	<i>int</i>	NO	The tenant's organization id, each tenant is mapped to an organization.
CreateDatetime	<i>datetime</i>	NO	The date and time the tenant was created
ChangeDatetime	<i>datetime</i>	NO	The date and time the tenant was last changed
CreatedBy	<i>int</i>	NO	The user id of the user who created the tenant
UpdatedBy	<i>int</i>	NO	The user id of the user who last changed the tenant

**TABLE 36**

**TABLE\_NAME: AsyncJobProgress**

This is used to track Async job progress for various flows

Field	Storage Type	IS_Nullable	Description
JobId	<i>uniqueidentifier</i>	NO	Async Job Identifier
JobType	<i>int</i>	NO	Type of the Job, i.e., UserDeletion, Smart group user addition etc. This is an ENUM.
Progress	<i>float</i>	NO	Numeric progress for Async job
JobStatus	<i>tinyint</i>	NO	Submitted/InProgress/Succeeded/Failed. This is a ENUM column.
CreateDateTime	<i>datetime</i>	NO	Datetime for when the record was created
LastUpdateDateTime	<i>datetime</i>	NO	Datetime for when the status was updated
CompletionDateTime	<i>datetime</i>	YES	Datetime for when the status was completed
Metadata	<i>nvarchar</i>	YES	Any metadata can be stored here, majorly for error scenarios.
TrackingId	<i>uniqueidentifier</i>	YES	Correlation ID for multiple web jobs, stemming from a single user action.

TABLE 37**TABLE\_NAME: UserCourseEnrollments**

Field	Storage Type	IS_Nullable	Description
UserCourseEnrollmentId	int	NO	To support course enrolment data for non-group enrolments
CourseId	int	NO	To support course enrolment data for non-group enrolments
UserId	int	NO	To support course enrolment data for non-group enrolments
EnrollmentDate	datetime	NO	To support course enrolment data for non-group enrolments

[illegible]



### **Changes to DB in Oct 2021 Release:**

#### **Fields added:**

TABLE_NAME	COLUMN_NAME	REASON
LearningPath	CertificateStatus	LP certificate feature added
LearningPathUserActivity	CertificateUrl	LP certificate feature added
LearningPathUserActivity	CertificateStatus	LP certificate feature added

#### **Fields Removed:**

TABLE_NAME	COLUMN_NAME	REASON
CourseUsers	CreatedBy	Performance issue in user deletion flow
LearnerCourseActivity	CreatedBy	Performance issue
LearnerCourseActivity	UpdatedBy	Performance issue
LearningPath	CertificateEnabled	Replaced with 'CertificateStatus'

### **Changes to DB in Jan 2022 Release:**

#### **Fields added:**

TABLE_NAME	COLUMN_NAME	REASON
Course	ImportContentType	Type of content (content provider details) imported from Content Marketplace
Course	ImportContentURL	URL of imported content from Content Marketplace
Course	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
CourseItems	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
GroupMapping	TenantId	Added to facilitate login via multiple tenants. Tenant Id of the Azure AD Group (if Teams Deployment)
KC	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
LearnerAssessmentResponses	AddedTime	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table
LearnerAssessmentResponses	Answer	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table
LearnerAssessmentResponses	CourseId	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table

LearnerAssessmentResponses	MigratedTime	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table
LearnerAssessmentResponses	ModuleId	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table
LearnerAssessmentResponses	UserId	To improve Performance. Stores learners' responses to questions, data from 'LearnerKCAnswers' will be migrated to this table
LearnerKCAnswers	MigrationStatus	Flag to check Migration status of 'LearnerKCAnswers' to 'LearnerAssessmentResponses'
Lesson	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
MLXUser	TenantId	Added to facilitate login via multiple tenants. TenantId of the logged in user
Offer	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
OrganizationConfig	CustomProfileFieldsMigrated	Flag to check Migration status of CustomProfileFields
OrganizationConfigNew	CustomProfileFields	Temporary table, plan is to later merge it with 'OrganizationConfig' table
OrganizationConfigNew	OrganizationID	Temporary table, plan is to later merge it with 'OrganizationConfig' table
Question	Uuid	Universal Unique Identifier (ID to link Offline tables) - Not Maintained
UserStatus	TenantId	Added to facilitate login via multiple tenants. TenantId of the logged in user (if Teams Deployment)

#### Fields Removed:

TABLE_NAME	COLUMN_NAME	REASON
QuestionType	QuestionTypeId	Not maintained
QuestionType	QuestionTypeName	Not maintained
Course	Authors	Not maintained
Course	CourseContentURL	Not maintained
Course	Lync	Not maintained
Course	Skype	Not maintained

### Changes to DB in Apr 2022 Release:

#### Fields added:

TABLE_NAME	COLUMN_NAME	Reason
AspNetRoleClaims	ClaimType	Offline Deployment
AspNetRoleClaims	ClaimValue	Offline Deployment
AspNetRoleClaims	Id	Offline Deployment
AspNetRoleClaims	RoleId	Offline Deployment
AspNetRoles	ConcurrencyStamp	Offline Deployment
AspNetRoles	Id	Offline Deployment
AspNetRoles	Name	Offline Deployment
AspNetRoles	NormalizedName	Offline Deployment
AspNetUserClaims	ClaimType	Offline Deployment
AspNetUserClaims	ClaimValue	Offline Deployment
AspNetUserClaims	Id	Offline Deployment
AspNetUserClaims	UserId	Offline Deployment
AspNetUserLogins	LoginProvider	Offline Deployment
AspNetUserLogins	ProviderDisplayName	Offline Deployment
AspNetUserLogins	ProviderKey	Offline Deployment
AspNetUserLogins	UserId	Offline Deployment
AspNetUserRoles	RoleId	Offline Deployment
AspNetUserRoles	UserId	Offline Deployment
AspNetUsers	AccessFailedCount	Offline Deployment
AspNetUsers	ConcurrencyStamp	Offline Deployment
AspNetUsers	Email	Offline Deployment
AspNetUsers	EmailConfirmed	Offline Deployment
AspNetUsers	Id	Offline Deployment
AspNetUsers	LockoutEnabled	Offline Deployment
AspNetUsers	LockoutEnd	Offline Deployment
AspNetUsers	NormalizedEmail	Offline Deployment
AspNetUsers	NormalizedUserName	Offline Deployment
AspNetUsers	PasswordChangeRequired	Offline Deployment
AspNetUsers	PasswordHash	Offline Deployment
AspNetUsers	PhoneNumber	Offline Deployment
AspNetUsers	PhoneNumberConfirmed	Offline Deployment
AspNetUsers	SecurityStamp	Offline Deployment
AspNetUsers	TwoFactorEnabled	Offline Deployment
AspNetUsers	UserName	Offline Deployment

AspNetUserTokens	LoginProvider	Offline Deployment
AspNetUserTokens	Name	Offline Deployment
AspNetUserTokens	UserId	Offline Deployment
AspNetUserTokens	Value	Offline Deployment
EdgeDevice	CreatedAt	Offline Deployment
EdgeDevice	DeviceId	Offline Deployment
EdgeDevice	DeviceName	Offline Deployment
EdgeDevice	DevicePrefix	Offline Deployment
EdgeDevice	IsActive	Offline Deployment
EdgeDevice	UpdatedAt	Offline Deployment
ipv6_database_firewall_rules	create_date	Temp Table
ipv6_database_firewall_rules	end_ipv6_address	Temp Table
ipv6_database_firewall_rules	id	Temp Table
ipv6_database_firewall_rules	modify_date	Temp Table
ipv6_database_firewall_rules	name	Temp Table
ipv6_database_firewall_rules	start_ipv6_address	Temp Table
LearnerModuleProgress	Metadata	Stores Scorm details
Lesson	FileExtension	Added to capture Scorm related changes
Lesson	LessonType	Added to capture Scorm related changes
Lesson	Metadata	Added to capture Scorm related changes
OfferProduct	CourseID	Course ID, previously Product ID
Question	AdditionalInfo	New feature - Fill in the blanks
Tenant	ChangeDatetime	To support login via multiple tenants in case of teams deployment
Tenant	CreateDatetime	To support login via multiple tenants in case of teams deployment
Tenant	CreatedBy	To support login via multiple tenants in case of teams deployment
Tenant	OrgId	To support login via multiple tenants in case of teams deployment
Tenant	TenantId	To support login via multiple tenants in case of teams deployment
Tenant	UpdatedBy	To support login via multiple tenants in case of teams deployment

#### Fields Removed:

TABLE_NAME	COLUMN_NAME	Reason
Lesson	AuxPdfUrl	Not Maintained
Lesson	AuxPptUrl	Not Maintained
Lesson	AuxVideoUrl	Not Maintained
Lesson	AuxWordUrl	Not Maintained
Lesson	AuxZipUrl	Not Maintained
OfferProduct	ProductID	Replaced by 'CourseID'

### Changes to DB in Aug 2022 Release:

#### Fields Added:

TABLE_NAME	COLUMN_NAME	Reason
AsyncJobProgress	JobId	Async Job Identifier
AsyncJobProgress	JobType	Type of the Job, i.e. UserDeletion, Smart group user addition etc. This is an ENUM.
AsyncJobProgress	Progress	numeric progress.
AsyncJobProgress	JobStatus	Submitted/InProgress/Succeeded/Failed. This is a ENUM column.
AsyncJobProgress	CreateDateTime	Datetime for when the record was created
AsyncJobProgress	LastUpdateDateTime	Datetime for when the status was updated
AsyncJobProgress	CompletionDateTime	Datetime for when the status was completed
AsyncJobProgress	Metadata	Any metadata can be stored here, majorly for error scenarios.
Course	OfflineSync	OfflineDeployment
LearningPath	LocalizedNames	To support LP/Category localization
LearningPath	LocalizedDescriptions	To support LP/Category localization
LearningPath	DefaultLanguageCode	To support LP/Category localization
LearningPath	LocalizedCertificateTemplateIds	To support LP/Category localization
Offer	LocalizedOfferNames	To support LP/Category localization
Offer	DefaultLanguageCode	To support LP/Category localization
OrganizationConfigNew	CustomProfileFieldsV3	To support Dependent fields
GlobalConfig	GCId	To Support Org Branding
GlobalConfig	Settings	To Support Org Branding
GlobalConfig	Idp	To Support Org Branding
GlobalConfig	Version	To Support Org Branding
Lesson	AlternativeMediaId	Streaming locator ID in Media Service
Organization	Settings	Settings for that Organization (Org Branding)

#### Fields Removed:

TABLE_NAME	COLUMN_NAME	Reason
ipv6_database_firewall_rules	id	Temp Table
ipv6_database_firewall_rules	name	Temp Table
ipv6_database_firewall_rules	start_ipv6_address	Temp Table
ipv6_database_firewall_rules	end_ipv6_address	Temp Table
ipv6_database_firewall_rules	create_date	Temp Table
ipv6_database_firewall_rules	modify_date	Temp Table

### Changes to DB in Dec 2022 Release:

#### Fields Added:

TABLE_NAME	COLUMN_NAME	Reason
EdgeDeviceContentSyncState	Id	To Support Offline Deployments
EdgeDeviceContentSyncState	DeviceName	To Support Offline Deployments
EdgeDeviceContentSyncState	ContentId	To Support Offline Deployments
EdgeDeviceContentSyncState	CreatedAt	To Support Offline Deployments
EdgeDeviceContentSyncState	UpdatedAt	To Support Offline Deployments
EdgeDeviceContentSyncState	IsContentSynced	To Support Offline Deployments
EdgeDeviceContentSyncState	RetryCount	To Support Offline Deployments
OfflineContent	ContentId	To Support Offline Deployments
OfflineContent	CourseUuid	To Support Offline Deployments
OfflineContent	CategoryUuid	To Support Offline Deployments
OfflineContent	CategoryName	To Support Offline Deployments
OfflineContent	ActionType	To Support Offline Deployments
OfflineContent	CreatedAt	To Support Offline Deployments
OfflineContent	UpdatedAt	To Support Offline Deployments
OfflineContent	IsLatest	To Support Offline Deployments

#### Fields Removed:

Nil

### Changes to DB in Mar 2023 Release:

#### Fields Added:

TABLE_NAME	COLUMN_NAME	Reason
AsyncJobProgress	TrackingId	To support observability of long running web jobs
UserCourseEnrollments	UserCourseEnrollmentId	To support course enrolment data for non-group enrolments
UserCourseEnrollments	CourseId	To support course enrolment data for non-group enrolments
UserCourseEnrollments	UserId	To support course enrolment data for non-group enrolments
UserCourseEnrollments	EnrollmentDate	To support course enrolment data for non-group enrolments

#### Fields Removed:

Nil