

Microsoft Community Training - DB Schema Overview

The Microsoft Community Training platform exposes its rich set of APIs for integration with your internal application and allows you to build custom analytics over your training instance in addition to the out-of-the-box analytics available on the platform.

The following are the major SQL tables of interest in the platform, with their column names and respective descriptions. You may use this information for API integration and with tools such as PowerBI to create custom reports.

1) MLXUser Table

- a. UserID: The user Ids (Primary Key)
- b. CreateDatetime: Datetime when the user first logged in (or was added from admin portal)
- c. CreatedBy: User Id of admin that added this user (-1 if the user first logged in)
- d. EmailAddress: Unique user identifier used as per deployment's identity type (email, phone number etc.)
- e. FirstName: User's first name
- f. LastName: User's last name
- g. CustomProfileFields: Json containing users' values for each of the custom profile fields (denoted here by their mapping id's)

Note: A mapping of custom profile field details and their mapping id's, can be found in the "OrganizationConfig" table's CustomProfileFields column

2) Course Table

- a. CourseID: The course Ids (Primary Key)
- b. CourseName: The course names
- c. CourseRegistrationFlow: Values indicating whether the courses are auto-enrolled (1), self-enrolled (2), or admin-enrolled (3)
- d. CertificationStatus: Values indicating whether there is no certificate (0), standard certificate (1), or an exam quiz certificate (3) offered in the courses
- e. IsPublished: Flag indicating whether the course is published (1) or not (0)
- f. NumCourseEnrollments: Number of users enrolled in this course
- g. NumCourseCompletions: Number of users who have completed this course

3) CourseUsers Table

Contains mapping b/w users and courses assigned to them

- a. CourseId: Foreign key mapping to the Courses Table
- b. UserId: Foreign key mapping to the MLXUsers Table

4) CourseItems Table

Contains mapping b/w course items (lessons or quizzes) and courses

- a. CourseItemId: The course item ids (Primary Key)
- b. CourseId: The course id

5) Lesson Table

- a. LessonId: The lesson Ids (Primary Key)
- b. Title: Name of the lesson
- c. FileType: Lesson's filetype
- d. CourseItemId: The course item id (Foreign Key mapping to CourseItems Table)

6) KC Table

- a. KCId: The KC Id (Primary Key)
- b. Title: Name of the Quiz
- c. CourseItemId: The course item Id (Foreign key mapping to CourseItems Table)
- d. QuizType: Values indication whether the quizzes are practice (0) or exam (1)

7) LearnerModuleProgress Table

Contains course item progress for each user

- a. UserId: Foreign key mapping to MLXUsers table
- b. CourseItemId: Foreign key mapping to CourseItems table
- c. IsComplete: Flag indication whether the course item is completed (1) or not (0) by the user
- d. Score: For quizzes, value indicates score for this user and course item, otherwise 0
- e. CompletedDate: Date when the course item was completed
- f. UserAttempts: Value indicates the number of user attempts for completing this course item

8) LearnerCourseActivity Table

Contains course activity/progress for each user

- a. UserID: Foreign key mapping to the users table
- b. CompletionStatus: Flag indicating whether course has been completed (1) or not (0), by the user
- c. CourseID: Foreign key mapping to the Course table
- d. CertificateDate: Date when the certificate was awarded to use for completing the course
- e. ExamScore: User's score if course has an exam quiz
- f. NumCompletedLessons: Number of lessons completed by the user in a course
- g. NumCompletedKCs: Number of KCs completed by the user in a course

9) Group Table

- a. GroupID: The group id (Primary Key)
- a. GroupName: The group's name
- b. GroupType: Value indicating whether a group is smart (1) or not (0)

10) CourseGroup Table

Contains mapping b/w groups and courses assigned to them

- a. GroupID: Foreign key mapping to the Group Table
- b. CourseID: Foreign key mapping to the Course Table

11) GroupUser Table

Contains mapping b/w groups and users belonging to them

- ## Database Diagram

