Interactive Video Quizzes Information Guide For Quiz Creators

Version: 1.0



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Preface

This preface contains the following topics:

- About this Guide
- Audience
- Document Conventions

About this Guide

This guide describes how to create Interactive Video Quizzes (IVQ), and describes how users take a quiz. A description on how to receive and review quiz scores and how analytics are reported are also described.



NOTE: Please refer to the official and latest product release notes for last-minute updates. Technical support may be obtained directly from: Kaltura Customer Care.

Contact Us:

Please send your documentation-related comments and feedback or report mistakes to knowledge@kaltura.com. We are committed to improving our documentation and your feedback is important to us.

Audience

This guide is intended for KMS or LMS users/instructors or educators that would like to add the IVQ functionality to enhance user engagement.

Document Conventions

Kaltura uses the following admonitions:

- Note
- Workflow



NOTE: Identifies important information that contains helpful suggestions.

Before You Begin

Be certain the Quiz module is enabled in your KMS/KAF instance. Contact your KMS or KAF system administrator to configure the module according to the information in the Kaltura Interactive Video Quizzes Administrator's Guide.

Creating and Working with Interactive Quizzes

This section describes how to use Kaltura's Interactive Video Quizzes (IVQ) feature in Kaltura's systems. Interactive Video Quizzes (IVQ) integrates and works seamlessly with Kaltura MediaSpace (KMS) and all Kaltura Application Framework (KAF) based applications, such as different Learning Management Systems (LMSs) and Social Business Software (SBSs). The IVQ feature is based on the Kaltura Player version 2.0.

Interactive Video Quizzes Overview

Adding Interactivity to Media

Adding Interactive Video Quizzes (IVQ) to media increases the power of educational and training videos by embedding questions directly into the video. Kaltura's interactive IVQ adds an effective way of imparting information by allowing the viewer to engage directly with the video. The quiz creator can also monitor the video's impact. The IVQ feature increases engagement, enables effectivity measurement, and provides a new way to improve learning outcomes.

Features and Options

IVQ provides an easy-to-use quiz creation wizard that enables you to create an unlimited number of multiple choice questions with 2-4 optional answers per question. The wizard allows configuration of supportive learning tools that can include options that allow the user to download the questions before taking the quiz, request hints regarding quiz question answers, receive explanations regarding correct or incorrect answers, skip questions and return later to answer them.

Users can watch media segments multiple times in preparation for answering questions; and receive feedback, correct answers, and in-depth explanations when completing questions.

How Do IVQ Work?

Through its easy-to-use interface, the quiz creator can seamlessly embed multiple choice questions at any point in a video. As users watch the video, each question appears at its chosen point; the video continues after the user answers the question. Flexible settings allow quiz creators to choose whether to allow users to repeat sections, skip questions, revise answers, receive hints, and discover the correct answers. Practically, IVQ increases engagement, tests knowledge and retention, and gathers media effectiveness data.

On the quiz creator's side, IVQ integrates seamlessly as part of Kaltura's standalone applications like MediaSpace or Kaltura integrated applications on windows and Mac platforms. It can be used with the customer's LMS or SBS such as Blackboard, Canvas, Moodle, BrightSpace, Sakai, SharePoint 2013, Jive, and IBM Connections.

On the playback side, IVQ is part of Kaltura player and is supported by the player wherever media quizzes are embedded and presented. Viewing and use is supported on any digital device.

The following list provides a few examples of IVQ use cases:

- IVQ enables the quiz creator to add questions or polls to lectures, training videos, marketing materials, and other media. This enables the creator to increase audience engagement with the media content, and reduce user drop-out rates.
- IVQ enables the quiz creator to link learning materials directly to test questions so that users received immediate feedback about whether or not they understood the information presented.
- The IVQ customer can create a lightweight certification system that provides an easy way to present both course material and testing.
- IVQ enables Kaltura customers to conduct market research, and collect feedback or poll
 results inside the media used to present information or choices

Creating a Quiz with IVQ

The IVQ feature enables quiz creators to provide their users with online quizzes defined by the creator and custom-tailored to the needs of the users.

The following sections of this document describe how you, the quiz creator, use the IVQ feature to create a quiz.

To create a video quiz

- **1.** Log into MediaSpace or into your KAF instance.
- 2. Click the Add New drop-down menu and choose Video Quiz from the list.



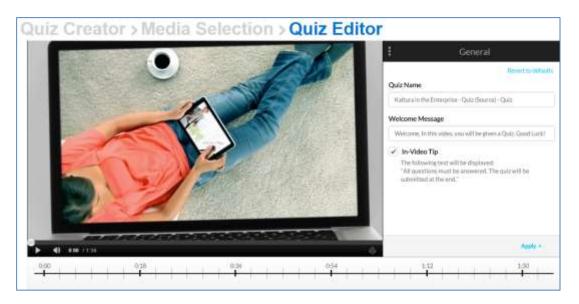
The Media Selection window opens.

3. In the Media Selection window, choose the video that you want to create a quiz for.



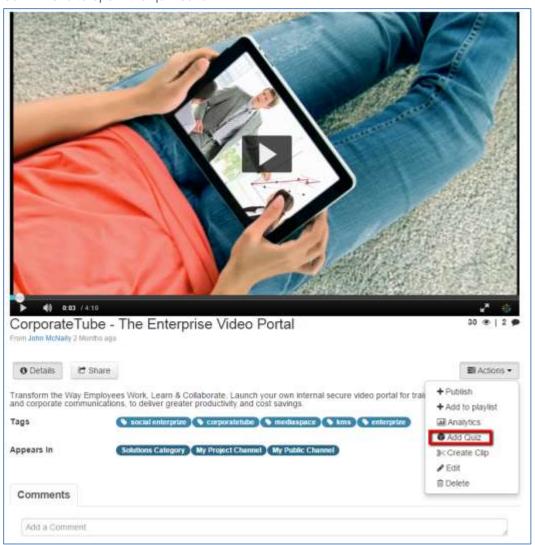
4. Click Select next to the desired video.

After you select your video, MediaSpace or your KAF instance automatically loads the video and opens the Quiz Editor's *General* window.



To create a quiz from within an entry page

• You can also create a quiz from within an entry page. Select 'Add Quiz' from the Actions drop down menu to open the quiz editor.



The IVQ Editor

The IVQ Editor consists of 3 main parts:

- The settings pane on the right side for defining various settings for the specific quiz
- The video player on the left side for playing back the video and adding a question at a specific point in time
- The timeline at the bottom shows the questions on the timeline as they form

The Settings Pane of the IVQ editor consists of the following windows:

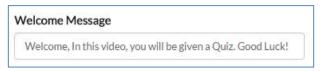
- General
- Experience
- Score
- Add Questions

□ To Define Quiz Parameters

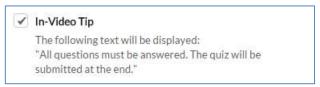
- **1.** In the Quiz Editor's *General* window, define the following information:
 - a. Quiz Name give your quiz a name that will be easily remembered and that is based on the video subject name. The quiz name default is the entry name it was based on followed by the word "- quiz".



b. Welcome Message – Use this box to add a message to the quiz window welcoming your users. You can keep the default message that appears in the Quiz Editor, or write your own message. Leave the text box blank if you do not want a message to appear.



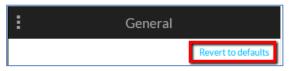
c. In-Video tip – check this box if you want the default tip text to appear, as illustrated. Important to note that indeed all questions must be answered before the quiz can be submitted. Partially answered quizzes are not accepted by the system, so it is advisable to let your audience know that.



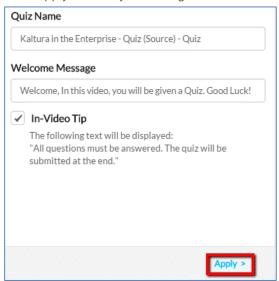
d. Question List – check this box if you want to provide your users a downloadable list of the quiz questions that they can review before viewing the video. Uncheck the box if you do not want to provide a list of the questions.



2. If you make changes and then decide you prefer the default settings, click **Revert to defaults** to reinstate the default values.

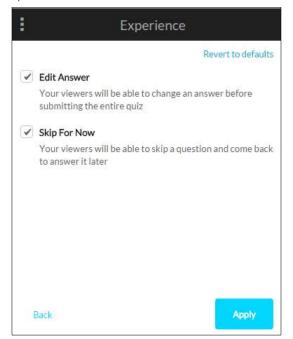


3. Click Apply to save your changes.

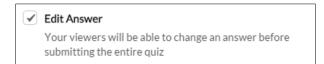


☐ To Define the User Experience Parameters

1. After you apply your changes in the *General* window, the Quiz Editor's *Experience* window opens.



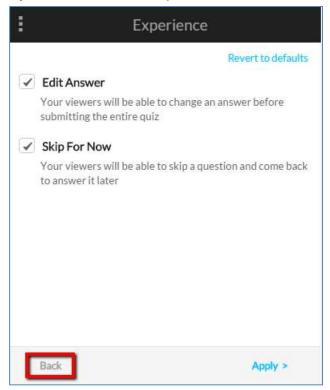
- **2.** Configure the Experience window to define the user experience during the quiz, including the following:
 - a. Edit Answer check this box if you want your audience to be able to edit (change) their answers before submitting them.



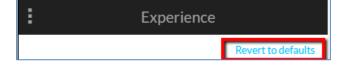
b. Skip for Now – check this box if you want to allow your audience to skip a question and answer the question later.



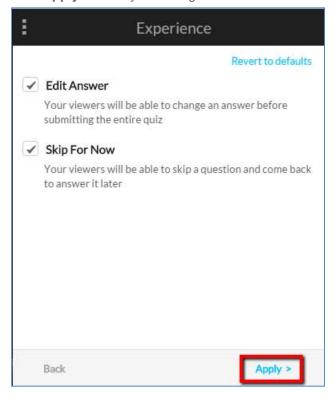
3. If you want to return to the previous window, click **Back** to return to the General window.



4. If you make changes and then decide you prefer the default settings, click **Revert to defaults** to reinstate the default values.

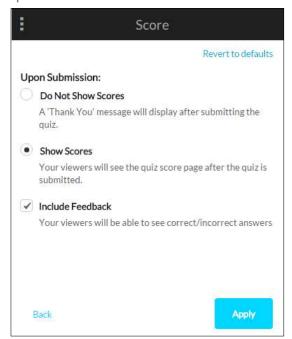


5. Click Apply to save your changes.



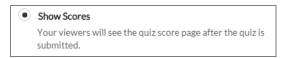
To Define Score Parameters

1. After you apply your changes in the *Experience* window, the Quiz Editor's *Score* window opens.



- 2. Define the score parameters when the user submits the quiz, including the following:
 - a. Do Not Show Scores enable this radio button if you do not want to show scores.
 - Do Not Show Scores
 A 'Thank You' message will display after submitting the quiz.

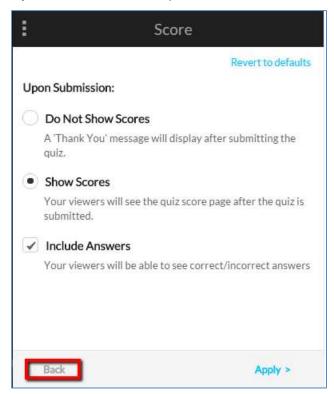
 Show Scores – enable this radio button if you want your users to be able to view their scores.



c. Include Feedback – check this box if you want your users to be able to see correct and incorrect answers. This feedback is presented with the score after the quiz is submitted and NOT after each question that was answered.



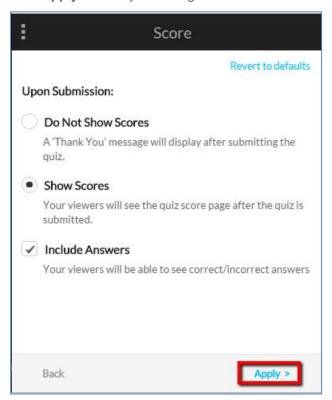
3. If you want to return to the previous window, Click Back to return to the Experience window.



4. If you make changes and then decide you prefer the default settings, click **Revert to defaults** to reinstate the default values.

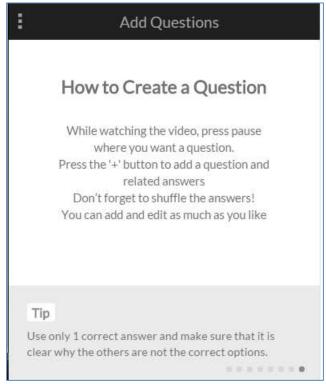


5. Click Apply to save your changes.

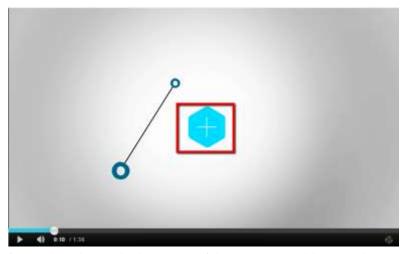


To Create a Quiz Question

1. After you apply your changes in the *Scores* window, the Quiz Editor's *Add Questions* window opens.



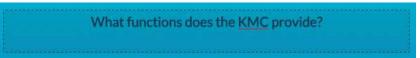
2. To add a question, watch the video and press Pause where you want to insert a question. The player screen appears as follows.



3. Press the + button in the center of the screen to add a question.



4. Enter your question where indicated on the player's question screen.





NOTE:

It is highly recommended that you place your final question at the end of the video. After every question, the video continues from the point the video stopped before the question. Placing the final question at the end keeps the user engaged until the video topic is completed.

☐ To Create Answers to the Question

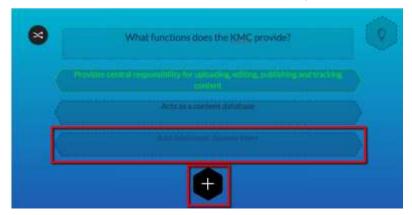
- **1.** After you enter the question in the player's question screen, define possible answers:
 - a. Enter the correct answer where indicated on the player's question screen. It indicates it with text and also with **green** color.



b. Add the additional answer (the wrong answer) where indicated on the player's question screen.



c. For each additional answer, click the + button to open another answer box.





NOTE

Every question in the IVQ has only 1 correct answer, so build your questions that way.

2. Click Save at the bottom right side of the question screen to save your question and answers.



3. Click Delete to delete your question and return to the player's initial question screen.



■ To Add a Hint

A hint contains additional information the user can choose to see while answering the question. It doesn't affect the score or any other behaviour or parameter of the IVQ.

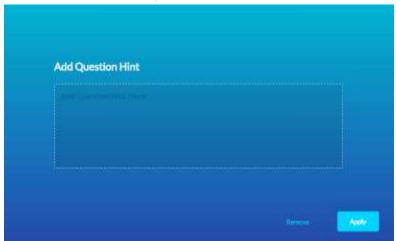
1. To add a hint, press the light bulb button at the top right of the player's question screen.



The light bulb button opens two options: Hint and Why.



2. Press the Hint button to open the Hint text screen.



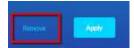
3. Enter your hint in the text box.



4. Click **Apply** at the bottom right of the screen to save the hint and return to the question screen.



5. Click **Remove** to delete the hint text and return to the question screen.



6. After a hint is added, a small 'V' icon is added on the hint button



7. When you return to the question screen, click **Save** to save the hint with the question and exist the question.

To Edit an Existing Question

- 1. To edit an existing question, access the video screen.
- 2. Hover your cursor over the question points on the video time bar that appear underneath the player to see the question text and find the question you want to edit.



- 3. Click on the question point to open the question screen for the question you want to edit.
- **4.** Make the necessary changes to your question and its answers.
- **5.** Click Apply to save your changes and return to the video.

■ To Move a Question's Location in the Video

1. To move a question's location in the video, click on the question point in the video time bar that appears underneath the player.



- 2. Drag it to the location where you want it to be.
- 3. When the question window for that question point opens, click Save to save the new location.

■ To Shuffle your Answers

It is important to shuffle your answers so that the correct answer does not always appear at the top of the list. 1. In the question screen, click on the Shuffle button.



- 2. With each click, the correct answer moves through the list of answers.
- **3.** You can also shuffle your answers manually. Click and hold the left side of an answer to drag it to its new location.
- **4.** When you have the answers in the order you prefer, click Save to save your changes and return to the video screen.

To Add a Rationale

You can write a rationale for each question. This enables your users to understand why their answers were correct or incorrect when they review them after the quiz was submitted.

The rationale is presented together with the feedback on the questions as part of the score page. If you choose not to show a quiz score, the rationale feature ('why') becomes unavailable.

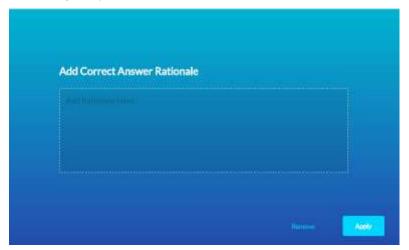
1. To write the rationale for a question, click the light bulb button at the right top of the question screen.



The light bulb button opens two options: Why and Hint.



2. Press Why to open the rationale text window.



3. Enter the rationale for the question's correct answer.

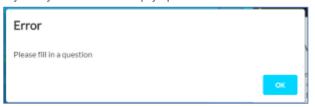
After a Rationale is added, a small 'V' icon is added on the 'Why' button



- **4.** Click **Apply** to save your changes and return to the question screen.
- **5.** Click **Save** in the question screen to save the rationale together with the question.

To Solve Error Messages

1. If you try to save an empty question and answer screen, the Quiz Editor posts this error:



Click OK to close the message, return to the empty question screen, and enter the question and answers.

2. If you try perform a different activity before saving your current activity, the Quiz Editor posts this error:



Click Cancel to return to your previous activity and save your work. Click OK if you want to continue without saving.

■ To Preview your Quiz

A quiz is user-based. A user can take a specific quiz only once. After you playback the Quiz from the 'Preview' screen it will be listed as an 'Unknown' user. If you will be taking the quiz from a different page (not from 'Preview' page) for example, from the entry page, you can only take the quiz once.

IVQ also supports anonymous users. If your environment supports unauthenticated (i.e., anonymous) users, you can also preview the quiz from an entry page as an anonymous user, over and over again. These multiple views will be accounted for in the quiz analytics.

1. During its creation process or after you are satisfied with your quiz, the questions and answers, and their placement, click the 'Preview Quiz' button under the Quiz Editor to preview the quiz.



A pop-up screen with the quiz, as it will appear to the viewer, is displayed, and you will be able to experience the quiz as you created it.



2. To edit your quiz, click Actions on the right side below the player.



3. From the drop-down list, choose Edit Quiz.



The Quiz Editor opens and you can make any changes you found necessary when you reviewed the quiz video.

SECTION 3

Best Practices

The following points cover the best practices, as recommended by Kaltura for quiz creators:

- Be sure to shuffle your answers.
- All incorrect answer options should be plausible.
- It is not recommended to use "all of the above" and "none of the above" as wrong-answer options.
- Make sure the question is meaningful by itself and represents a definite problem.
- Keep answer lengths similar.
- Try not to create trick questions, but rather allow for constructive learning.
- Use only 1 correct answer and make sure that it is clear why the others are not the correct options.
- We recommend that you put the last question at the end of the video to keep the user engaged through the entire subject.

Taking a Quiz

The following section describes how to take a quiz.

To Start the Quiz

- Log into MediaSpace or into your KAF based application.
 A special icon on the video thumbnail, and on the entry page, is displayed for videos that have quizzes configured.
- 2. Select the video to start taking the quiz.





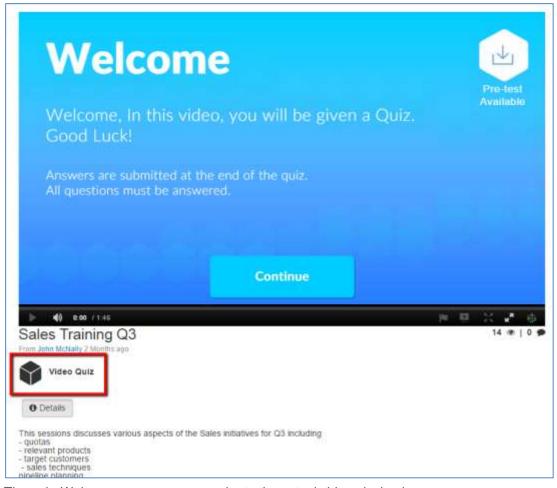








3. Click Play. The Welcome screen is displayed.

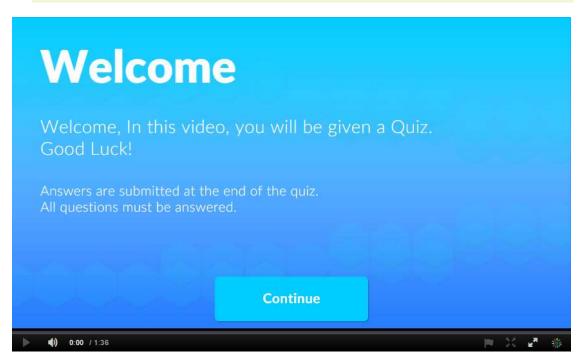


The quiz *Welcome* screen appears prior to the actual video playback.

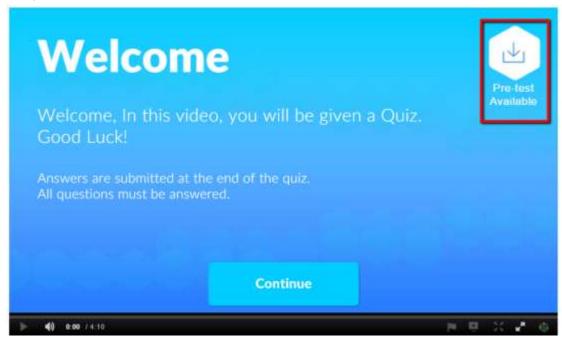


NOTE:

Once the quiz screen opens, you will not be able to play or move the video's scrubber.

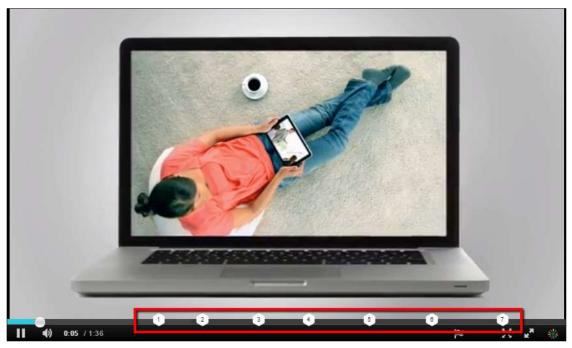


If the quiz creator enabled the option for the Pre-test to be available, the option to download the quiz is in the Welcome window.



4. Press Continue from the Welcome screen.

The instructional video starts. During the video, you can see the question positions on the scrub bar.



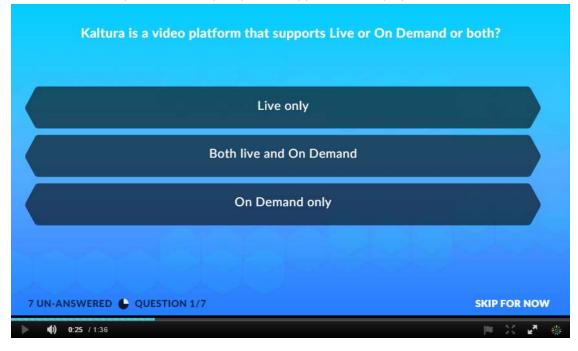
During the video, at each location point, the video pauses.



NOTE:

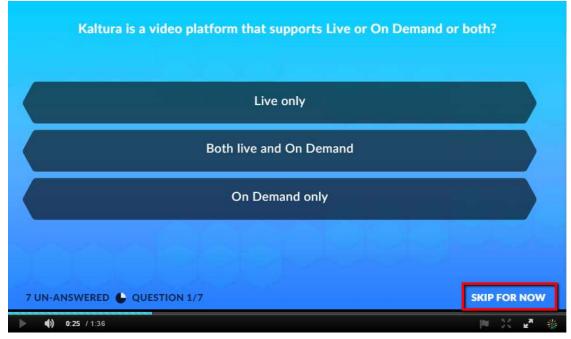
When the quiz is in progress, you cannot move the scrubber or perform any player actions.

5. At the first location point, the first quiz question appears on the player screen.



To Skip a Question

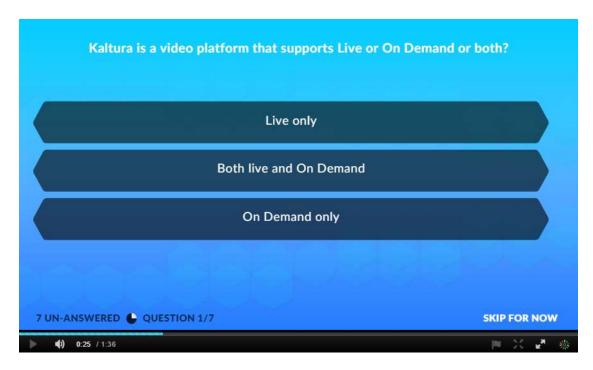
1. To skip any question, choose **SKIP FOR NOW** on the lower right corner of the quiz screen.



2. When you click on SKIP FOR NOW, the video continues to the next question.

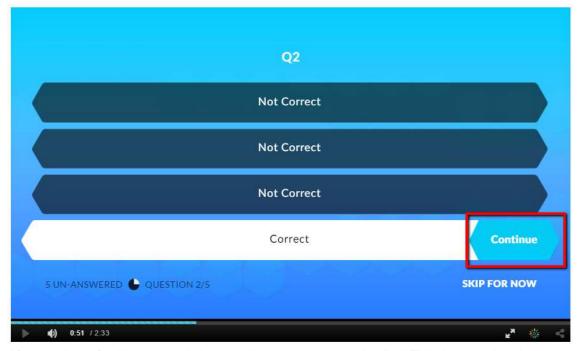
☐ To Continue the Quiz

 For each question presented, choose one answer. When you hover your cursor over a specific answer that answer changes color.

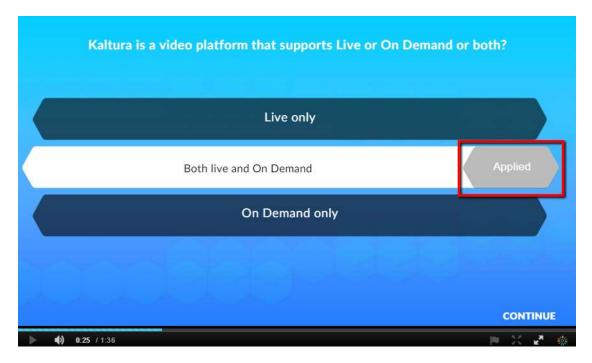


☐ To Choose an Answer

1. Click the answer you want to choose, and click Continue to finalize your choice.



2. After you have finalized your choice, the *Apply* text turns to *Applied*. This denotes that the answer has been recorded.



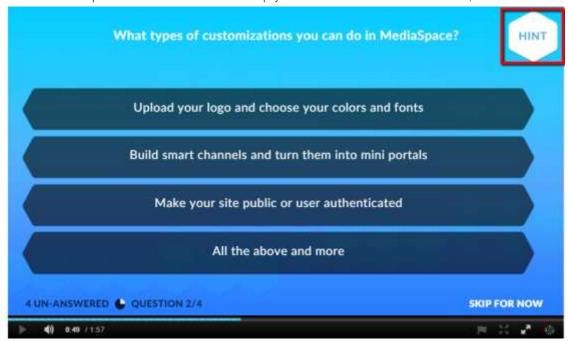
To Return to the Video

Once you answer or skip a question, the quiz screen closes and the video continues until the next question. The quiz questions are tracked in the scrubber at the bottom of the player's screen. Questions already answered appear in one color. Unanswered or skipped questions appear in a contrasting color as pictured.

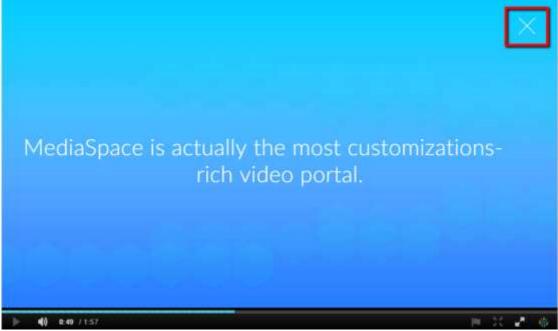


■ To Access a Hint

1. Sometimes a question includes a hint to help you answer it. To access the hint, click *Hint*.



2. The *Hint* screen opens. To exit the hint, click the X at the top right of the screen.



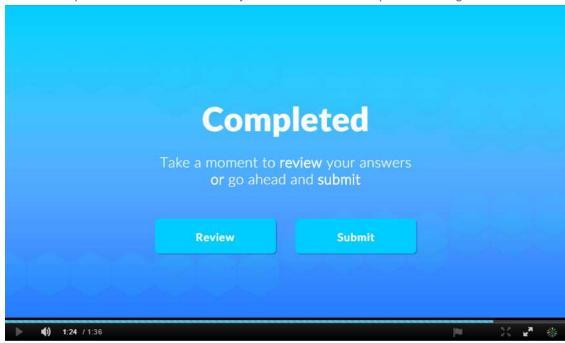
The Hint closes and returns to the quiz question.

☐ To Complete the Quiz

1. Once the last question has been answered or skipped this IVQ icon will appear on the player while the video playback play until its end

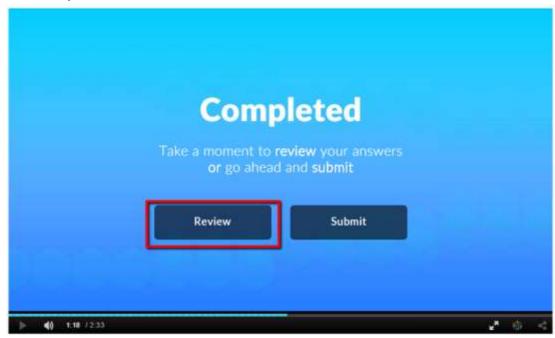


- **2.** You can always click that IVQ icon and be sent directly to the completion flow of the quiz or just watch the video to its end and get to this flow naturally.
- **3.** If you answered all the questions of the quiz the *Completed* screen appears. Click Submit to submit the quiz. Click Review to review your answers with the option to change them.



☐ To Review our Answers before Submitting the Quiz

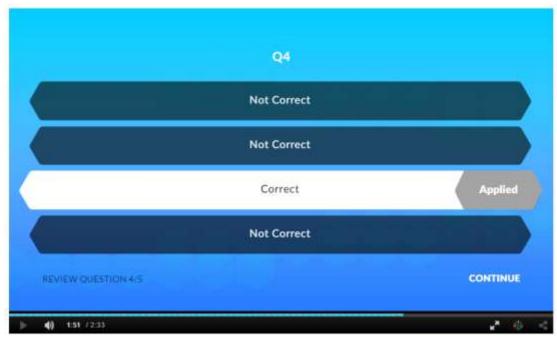
1. To review your answers, click Review.



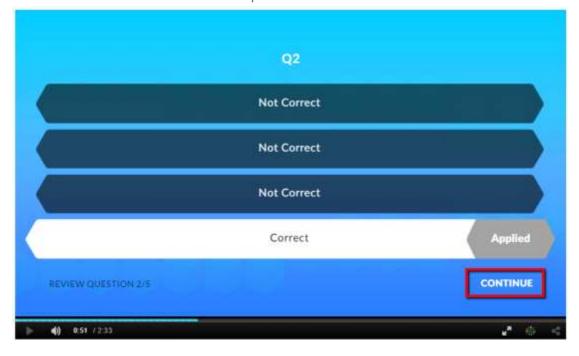
2. The video will start playing from the beginning while the IVQ icon appears.



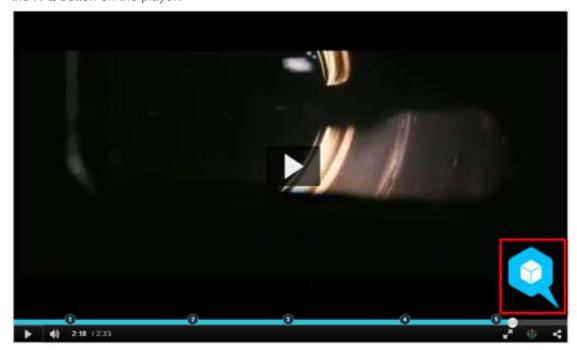
3. You can review each question that has already been answered and has been marked. The Applied button appears on the screen and you are permitted to change your answer.



4. Click *CONTINUE* to continue the review process.

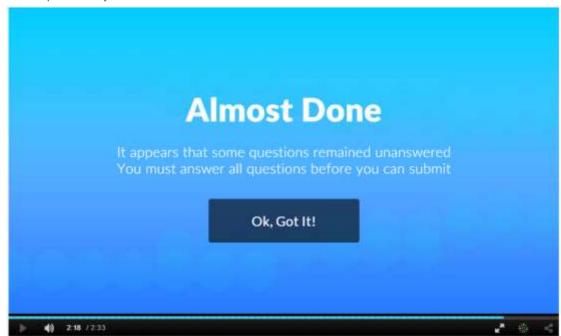


5. You can always finish your review process and continue the submission process by clicking the IVQ button on the player.

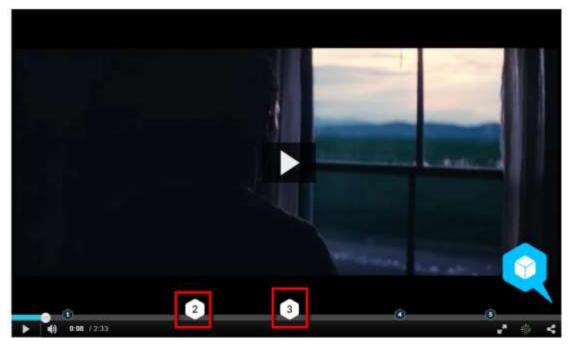


☐ To Complete Skipped Questions

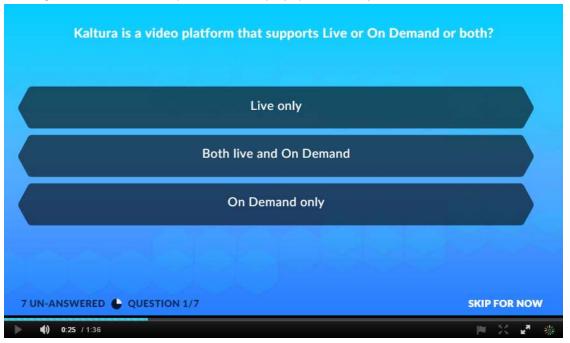
1. If you skipped some questions, the *Almost Done* screen appears letting you know there are some questions you still need to answer before submission.



2. Once you click on the 'OK Got It' button, you will be sent back to the player and the unanswered questions will be highlighted (bigger and white).



3. Clicking on an un-answered question will display question for you to answer now.

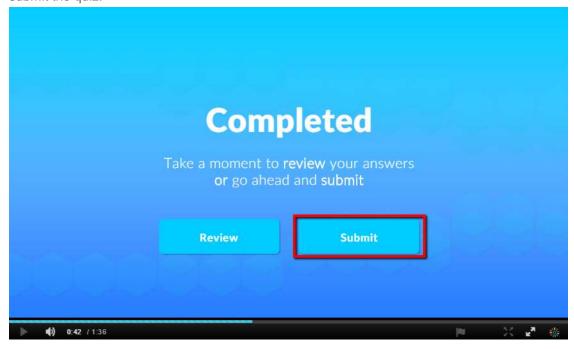


4. You can always click the IVQ icon on the player which will let you know if you are ready to submit or you still have some un-answered questions to answer.

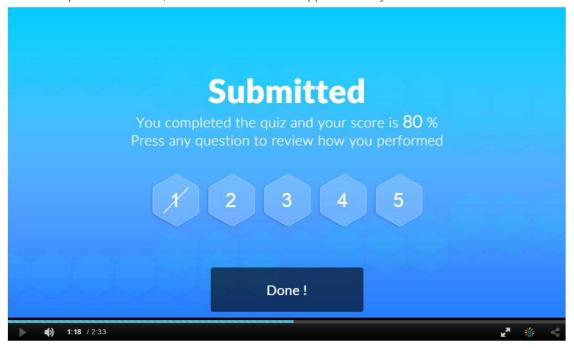


☐ To Submit the Quiz and Receive a Score

1. If you answered all the questions of the quiz the *Completed* screen appears. Click Submit to submit the quiz.



2. Once the quiz is submitted, the Submitted screen appears with your score.

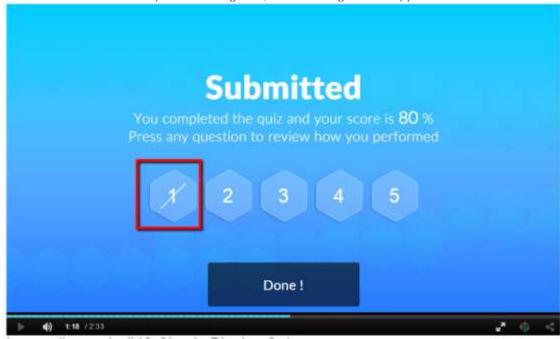


The Review After Submission Option

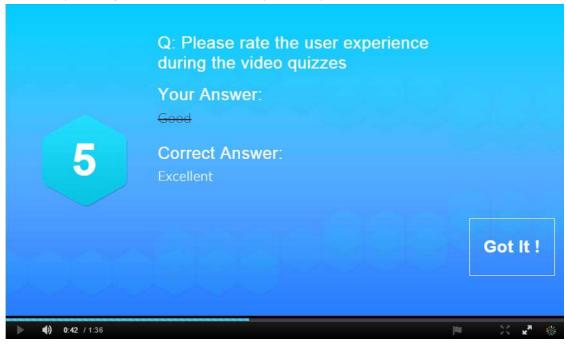
Depending on the quiz creator's configuration, the Submitted screen can be presented with or without a submission review option. When configured, you are provided with the option to review the answers to questions that you answered incorrectly.

To Receive a Score with an Option for a Second Review

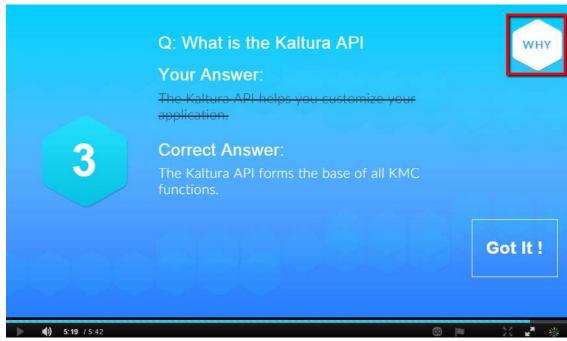
If the submission review option is configured, the following screen appears.



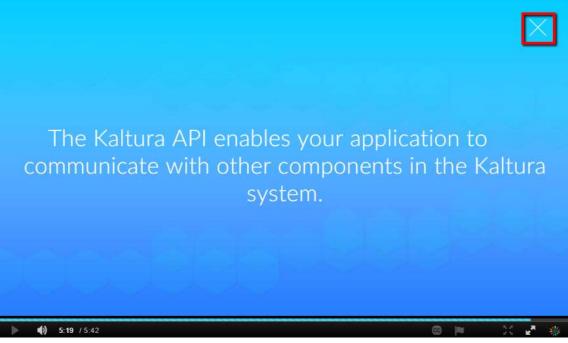
1. Click the question you want to review. The question opens with the correct answer.



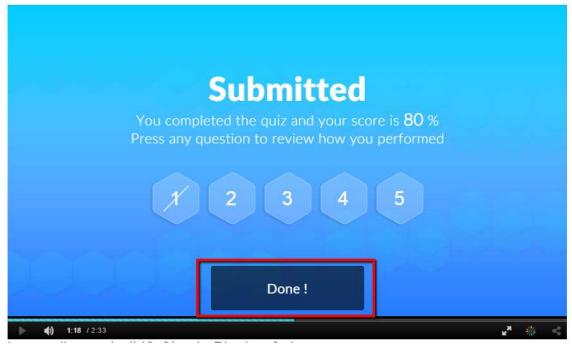
- 2. Click Got it! to return to the Submitted screen.
- **3.** In this screen you can also understand the rationale behind the correct answer, if the quiz creator chose to add it. In the screen, click the *Why* button to view the rationale for the correct answer.



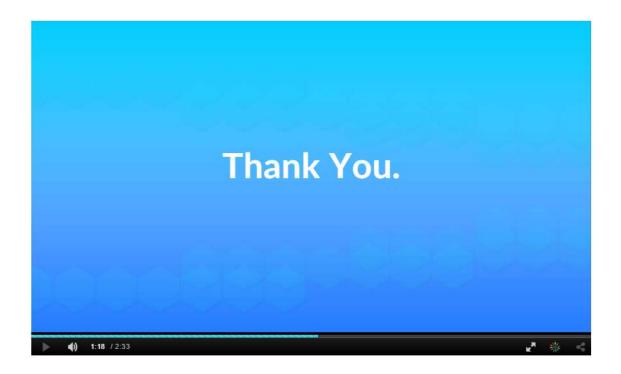
4. The Rationale screen opens. When you are finished viewing the rationale, click X to close the Rationale window and return to the question and its answer.



- **5.** Click Got It! In the question review screen to return to the Submitted screen.
- **Finishing the Quiz**
- **1.** To finish the quiz, click Done! on the Submitted screen.



2. Once you have finished the quiz, a *Thank You* screen appears. Your score has been submitted to the quiz creator.



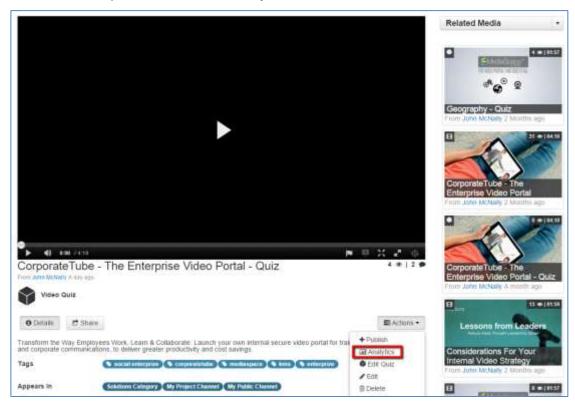
Quiz Reporting

The IVQ feature enables quiz creators to get analytics about the quiz and the users taking it.

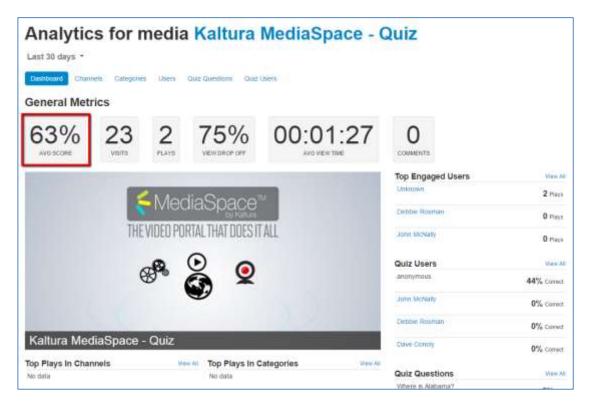
The following sections of this document describe how you, the quiz creator, use the IVQ feature to view these analytics.

To view users' average quiz results

1. In the Actions drop down menu select Analytics.



2. In the Average Score box, you can view the quiz's average score of all the users that have taken the quiz until now.

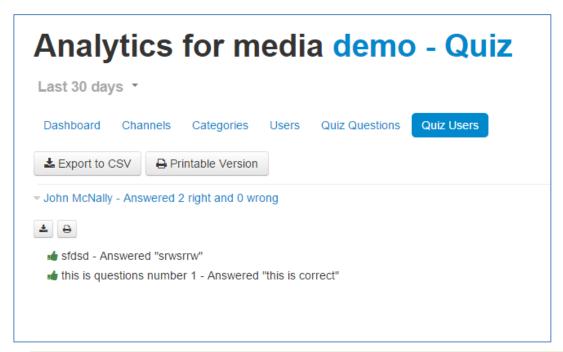


To view specific user's quiz results

1. To view how specific users scored on the quiz, click the Quiz Users tab,



A report with all users is displayed with a breakdown of how each question was answered by each user.

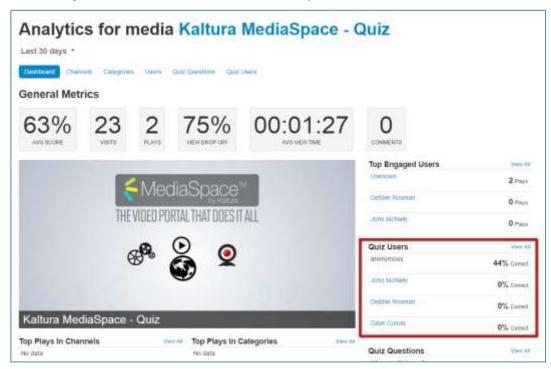




NOTE:

All anonymous users (not logged in) that have taken the quiz, will be identified as a single anonymous user.

- 2. Click Export to CSV file or Printable Version to export or print the data in this report.
- 3. Alternatively, click on the Dashboard to view this report.

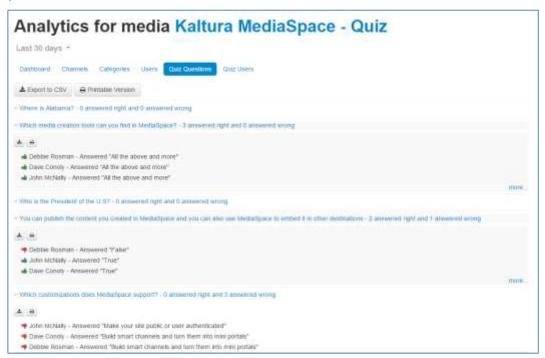


To view specific questions and their answers

1. To view how specific questions were answered, click Quiz Questions.



A report with all the questions is displayed with a breakdown of how each user answered the question.





NOTE:

All anonymous users (not logged in) taken the quiz will be identified as a single anonymous user.

- 2. You can export to CSV file or to a printable version the data in this report.
- 3. You can also see a dashboard view of this report in the dashboard tab

