

# API Essentials Training Agenda

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## OVERVIEW

This is a basic level API training, aimed for developers for introducing the Kaltura, backend terminology, and building blocks of the API services & actions. Covering what is the KS and why is it needed? As well as understanding where and how can the trainee test their own API calls.

## Objectives

- Get to know the fundamentals of the API servers & client's workflow.
- Understand the building blocks of the API (services & actions).
- Understand what is the KS and why is it needed.
- Get to know some of Kaltura's most common actions, data, and workflows.

## Agenda

Topic	Instruction:
Greeting/ Introduction	
What is the API and why it is needed?	<ul style="list-style-type: none"> <li>• Understanding the different use cases you would like to achieve, ie, Upload, Notification Handling, Metadata Updating, Other.</li> <li>• Understanding the building blocks of the API (services &amp;&amp; actions)</li> </ul>
Review of the backend servers & clients.	<ul style="list-style-type: none"> <li>• Explore the knowledge hubs.</li> <li>• Kaltura client libraries and where can they be downloaded from.</li> <li>• Why use a client library over pingable URLs?</li> </ul>
Understanding the Kaltura Session	<ul style="list-style-type: none"> <li>• What is the Kaltura security model?</li> <li>• What is the KS and why is it needed?</li> <li>• What are the security considerations when generating a KS?</li> </ul>
Hands-on	<ul style="list-style-type: none"> <li>• Learn the workflow process on how to create an API call.</li> <li>• Learn further actions we can take once our KS session is set.</li> </ul>
Kaltura entities	<ul style="list-style-type: none"> <li>• What are entries?</li> <li>• What is the entry creation process?</li> <li>• What are categories?</li> </ul>
Metadata	<ul style="list-style-type: none"> <li>• What is custom metadata and why is it needed to overload metadata on the entry-level?</li> <li>• How can access to entries be limited (access control and scheduling)?</li> </ul>
Upload	<ul style="list-style-type: none"> <li>• How can a large number of entries be created in minimal time (bulk upload)</li> <li>• How can API calls be stacked together to conserve resources?</li> <li>• What is the difference between dynamic thumbnails and thumbnail assets?</li> </ul>
Manage Notifications	<ul style="list-style-type: none"> <li>• How can server notifications be used to help the customer with their own integration with the API?</li> </ul>
Getting Help / Questions	

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