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

<table>
<thead>
<tr>
<th>Topic</th>
<th>Instruction:</th>
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<tbody>
<tr>
<td>Greeting/ Introduction</td>
<td>• Understanding the different use cases you would like to achieve, ie, Upload, Notification Handling, Metadata Updating, Other.</td>
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<tr>
<td>What is the API and why it is needed?</td>
<td>• Understanding the building blocks of the API (services &amp; actions)</td>
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| Review of the backend servers & clients. | • Explore the knowledge hubs.  
• Kaltura client libraries and where can they be downloaded from.  
• Why use a client library over pingable URLs? |
| Understanding the Kaltura Session | • What is the Kaltura security model?  
• What is the KS and why is it needed?  
• What are the security considerations when generating a KS? |
| Hands-on                      | • Learn the workflow process on how to create an API call.  
• Learn further actions we can take once our KS session is set. |
| Kaltura entities              | • What are entries?  
• What is the entry creation process?  
• What are categories? |
| Metadata                      | • What is custom metadata and why is it needed to overload metadata on the entry-level?  
• How can access to entries be limited (access control and |
| **Upload**          | • How can a large number of entries be created in minimal time (bulk upload)  
|                    | • How can API calls be stacked together to conserve resources?  
|                    | • What is the difference between dynamic thumbnails and thumbnail assets?  
| **Manage Notifications** | • How can server notifications be used to help the customer with their own integration with the API?  
| **Getting Help / Questions** | |