

# ContentHandler Data Types

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## Data types for contentHandler

Learn's `/contents` endpoints accommodate different types of content by using different handlers. Use the `contentHandler` field of requests and responses to indicate which content handler should be used. Available `contentHandlers` their uses are summarized below.

Supported handlers include:

contentHandler ID	Description	Supported since
<code>resource/x-bb-document</code>	(Original) base document type, consists of rich text with an associated title(Ultra) basic content item	3000.1.0
<code>resource/x-bb-externallink</code>	external link	3000.1.0
<code>resource/x-bb-folder</code>	document that has child documents	3000.1.0
<code>resource/x-bb-courselink</code>	link to a Blackboard course	3100.5.0
<code>resource/x-bb-forumlink</code>	link to a discussion object	3100.6.0
<code>resource/x-bb-blti-link</code>	link to an LTI object	3200.6.0
<code>resource/x-bb-file</code>	represents a file object within Learn	3200.6.0
<code>resource/x-bb-asmt-test-link</code>	(Ultra only) Ultra assignment or test object	3300.5.0
<code>resource/x-bb-assignment</code>	(Original only)	3400.9.0

### `resource/x-bb-document`

- **Original experience:** Base content type consisting of rich text with an associated title.
- **Ultra:** represents the body of an Ultra document object. It must be the child of a `resource/x-bb-folder` content item for which `isBbPage=true`.

### `resource/x-bb-externallink`

Link to an external resource. It has the following properties:

- `id` (string, read-only) of the object in Learn
- `url` (string) of the external resource

### `resource/x-bb-folder`

Content item that contains child content items. It has the following properties:

- `id` (string, read-only) of the object in Learn
- `isBbPage` (boolean) whether the object represents a page in its own right

### `resource/x-bb-courselink`

Content item with a link to other objects within Learn. It has the following properties:

- `id` (string, read-only) of the object in Learn
- `targetId` (string) of the linked Learn object

- targetType (string) is the Blackboard object type of the linked object. Possible values include:
  - Unset
  - CourseAssessment
  - CourseTOC
  - Forum
  - Tool
  - CollabSession (deprecated since 3000.1.0)
  - Group
  - BlogJournal
  - StaffInfo
  - ModulePage

### **resource/x-bb-forumlink**

Content item with a link to a discussion object. It has the following properties:

- id (string, read-only) of the object in Learn
- discussionId (string) for the discussion object in Learn

### **resource/x-bb-blti-link**

Representation of an LTI link within course content. It has the following properties:

- id (string, read-only) of the object in Learn
- url (string) of the the LTI link
- customParameters is a map of custom parameters to POST to the specified launch URL. Learn serializes the entire custom parameters map, so you should specify all custom parameters when the map is changed.

### **resource/x-bb-file**

Representation of a file uploaded to course content.

- id (string, read-only) of the object in Learn
- file is an object with the following properties:
  - uploadId (string, read-only) is the system-assigned ID of the uploaded file
  - fileName (string) is the name of the file
  - mimeType (string, read-only) is the MIME type. Learn uses IANA standards to assign MIME type based on the filename extension.
  - duplicateFileHandling (string, optional) used to describe behavior when a file is uploaded that duplicates an existing filename. Options include:
    - \* Rename (default) causes the new file with the duplicate name to be renamed.
    - \* Replace causes the new file to replace the earlier file with the same name.
    - \* ThrowError causes Learn to throw an error.

### **resource/x-bb-asmt-test-link**

(Ultra experience only) Representation of an assignment/test link object

- id (string, read-only) of the object in Learn
- assessmentId (string) is the ID of the associated assessment
- gradeColumnId (string) is the ID of the associated grade column

### **resource/x-bb-assignment**

(Original experience only)

- id (string, read-only) of the object in Learn
- gradeColumnId (string, read only) ID of the associated grade column
- groupContent (boolean) specifies whether or not the content is group content.