# Salesforce to Contentful – API Updates Testing

## Introduction

These tests are designed to test the latest changes to the API that runs between Salesforce and Contentful to get and update the course data used by the partner portal and INTO Study.

To complete these tests, you will need credentials for Salesforce UAT and Contentful Test Environments.

SalesForce UAT: <https://test.salesforce.com/>

Contentful Test: <https://app.contentful.com/spaces/xw2h6mjophtz/environments/test-course-content/>

\*Currently the Contentful Test environment requires admin permissions so any validation checks may require admin assistance or temporary permissions

Any updates in SalesForce will be available in Contentful the follow day by 10am.

For any tests the best place to start is in Contentful to ensure the required records are there. Any records created by the API use the SalesForce ID so finding the matching record in SalesForce is relatively simple.

To preserve data integrity in Contentful its best to complete any tests involving removal or creation of records by using the same records for each test doing the remove one day, and the creation the following day.

## Course available online true to false

* Expected behaviour – Changing the available online flag from true to false should disassociate and delete the course record.

### Steps

1. In Contentful find an Outcome and choose a scheduled course to remove. Save the ID’s for both.
   1. **Outcome ID:**
   2. **Scheduled Course ID:**
2. Find the matching Outcome and course in SalesForce UAT (using the ID’s from Contentful).
3. Set the Available Online Flag for the chosen product to False
4. Run the API Update
5. Using the ID’s saved in step one check the record has been disassociated from the Outcome and that the scheduled course record is no longer available.

**Result:** Pass

## Course available online false to true

* Expected behaviour – Changing the available online flag from false to true should create a new Scheduled Course record and sub-records (Dates, Entry Requirements and Progressions) and associate them to the chosen outcome

### Steps

1. Using the Outcome and Course that was removed in the previous step. Save the Outcome ID and return to Salesforce.
   1. **Outcome ID**:
   2. **Scheduled Course ID:**
2. Find the matching Outcome and course in SalesForce UAT (using the ID’s from Contentful).
3. Set the Available Online Flag for the chosen product to True
4. Run the API Update
5. Using the Outcome ID saved in step one check a new scheduled course record has been created and associated to the Outcome. Check that all the additional records for the scheduled course have been created correctly. All Meta-data should be present and additional records for Dates, Entry Requirements and Progressions should be present. Verify using the records in SalesForce.

**Result:**

## Product Progression Inactive from false to true

* Expected Behaviour – Changing the Inactive flag on a product progression from False to True should disassociate and delete the product progression record on the scheduled course.

### Steps

1. Find a Scheduled Course with a Product Progression Record in Contentful. Save the Scheduled Course and Product Progression ID.
   1. **Scheduled Course ID:**
   2. **Product** **Progression ID:**
2. Find the matching Scheduled Course and Product Progression in SalesForce UAT (using the ID’s from Contentful).
3. On the Product Progression set the ‘Inactive’ flag to True
4. Run the API Update
5. Using the ID’s saved in step one check the Progression record has been disassociated from the Scheduled Course and that the Progression record is no longer available.

**Result: Pass**

## Product Progression Inactive from true to false

* Expected behaviour – Changing the Inactive flag from true to false should create a new Product Progression record and sub-records (Progressions) and associate them to the chosen scheduled course

### Steps

1. Using the Scheduled Course and Product Progression that was removed in the previous step. Save the Scheduled Course and Product Progressions ID.
   1. **Scheduled Course ID:**
   2. **Product Progression ID:**
2. Find the matching Scheduled Course and Product Progression in SalesForce UAT (using the ID’s from Contentful).
3. Set the Inactive Flag for the chosen product to True
4. Run the API Update
5. Using the Scheduled Course ID saved in step one check a Product Progression record has been created and associated to the Scheduled. Check that all the additional records for the scheduled course have been created correctly. All Meta-data should be present and additional records for Progressions should be present. Verify using the records in SalesForce.

**Result:**

## Entry Requirements – Change

* Expected Behaviour – Removing or Changing the product entries in SalesForce should update Contentful for that record.

### Steps

1. Find a Scheduled Course with a Product Entries (Entry Requirements) Record in Contentful. Save the Scheduled Course and Entry Requirements ID.
   1. **Scheduled Course ID:**
   2. **Entry Requirement ID:**
2. Find the matching Scheduled Course and Product Entry in SalesForce UAT (using the ID’s from Contentful).
3. On the scheduled course delete the chosen product entry.
4. Run the API Update
5. Using the ID’s saved in step one check the Entry Requirement record has been disassociated from the Scheduled Course and that the Entry Requirement record is no longer available.
6. Complete this for both English and Academic Entry Requirements.

## Entry Requirements – Remove - Academic

* Expected Behaviour – Removing or Changing the product entries in SalesForce should update Contentful for that record.

### Steps

1. Find a Scheduled Course with a Product Entries (Entry Requirements) Record in Contentful. Save the Scheduled Course and Entry Requirements ID.
   1. **Scheduled Course ID:**
   2. **Entry Requirement ID:**
2. Find the matching Scheduled Course and Product Entry in SalesForce UAT (using the ID’s from Contentful).
3. On the scheduled course delete the chosen product entry.
4. Run the API Update
5. Using the ID’s saved in step one check the Entry Requirement record has been disassociated from the Scheduled Course and that the Entry Requirement record is no longer available.

**Result:**

## Entry Requirements – Remove - English

* Expected Behaviour – Removing or Changing the product entries in SalesForce should update Contentful for that record.

### Steps

1. Find a Scheduled Course with a Product Entries (Entry Requirements) Record in Contentful. Save the Scheduled Course and Entry Requirements ID.
   1. **Scheduled Course ID:**
   2. **Entry Requirement ID:**
2. Find the matching Scheduled Course and Product Entry in SalesForce UAT (using the ID’s from Contentful).
3. On the scheduled course delete the chosen product entry.
4. Run the API Update
5. Using the ID’s saved in step one check the Entry Requirement record has been disassociated from the Scheduled Course and that the Entry Requirement record is no longer available.
6. Complete this for both English and Academic Entry Requirements. Also try adding a new one of each type and make sure this is replicated in Contentful.

**Result**

## New Outcome Creation

* Expected Behaviour – Creating a new Outcome record and adding Scheduled Courses (Products) will create a matching Outcome record in Contentful, linked to the correct University and Scheduled Courses and related meta-data will be created.

### Steps

1. Create a new outcome record in Salesforce
2. Add the University
3. Add the Brand Outcome for that University (using the Parent Record)
4. Add at least one Master Course
5. Save the Outcome Name and ID.
   1. **Outcome Name:**
   2. **Outcome ID:**
6. Run the API Update
7. Find the matching outcome in Contentful and check the link to University and all the Scheduled courses and related meta-data is populated.

## Field Updates on All Objects

* Expected Behaviour – For any existing objects that are included in the API any updates to fields should be replicated in Contentful the follow day.
  + One update was made to include null values in the update as this was not implemented in the release.

### Steps

1. Find a Contentful Record that is created by the API (Scheduled Course, Progression Options, Entry Requirements, Progressions.
2. Note the ID here:
   1. ***Academic Entry Requirements Record ID:***
   2. ***English Entry Requirements Record ID:***
   3. ***Scheduled Course Record ID:***
   4. ***Progression Options ID:***
3. Find the matching course and update any field included in the API
4. Run the API Update
5. Find the record in Contentful and ensure the updates made match the changes made in SalesForce.

**Result:**