INTO Affiliates web api user guide

How to sign up and access the Web APIs

# Subscribe to the APIs

## Subscribe to Test

The INTO APIs are aggregated behind Microsoft Azure API Management Services (APIM). You will need sign up to successfully make calls to the API.

* Go to the Developer Portal: <https://intoapitest.portal.azure-api.net/>
* Login (register if you don’t have an account already)
* Click the Products tab, then the product: Affiliate
* Click the Subscribe button
* Click Confirm

You will receive an email notification of your subscription request and another once the request has been processed by INTO.

## Subscribe to Production

Once an integration is ready to go live you will need a subscription to the Production APIM.

You will need to create an account here too, subscribe to the product and claim a subscription token. The instructions are the same, but the Developer Portal is at: <https://intoapi.portal.azure-api.net/>

# Documentation

The Developer Portal lists and describes the APIs, their operations and their various parameters.

# Creating a Lead with the Enrollment API

The Developer Portal can assist users by helping to build a call, issue it and view results.

* Return to the Developer Portal and login
* Select the Products tab, then the Affiliate product
* Select API: Enrollment API 1.0
* Select operation: Create a new student, complete with applications, etc if present
* The portal will show documentation about the operation, such as a description, the URL format, parameters, response body format and code examples of calling the operation
* Click the Try It button
* Enter the payload into the Request Body field. An example is shown below
* The Ocp-Apim-Subscription-Key header is added automatically by the Developer Portal. When calling the API from your own code you will need to add this header and key value
* Click Send. The results of the call will be displayed once the call completes. In this example you should receive a 201 Created status.

## Example payload

{

 "applications": [

 {

 "programInformation": {

 "courseId": "aCI3A000000CabvWAC",

 "progressionCourseId": "aCE1p000000TN5MGAW",

 "intendedStudyStartYearAndMonth": "2021-02"

 }

 }

 ],

 "biography": {

 "gender": "Male",

 "nationality": "JP",

 "address": {

 "country": "JP"

 }

 },

 "contactDetails": {

 "emailAddress": "chris@example.com",

 "phoneNumber": "01234567890"

 },

 "declarations": {

 "sourceOfFunds": "Selffunded",

 "hasGrantedGdprContactPermission": true

 },

 "studentIdentity": {

 "firstName": "Chris",

 "lastName": "Charlie"

 },

 "campaignId": "7011p000000t6D5",

 "clientId": "Affiliate"

}

The API supports many optional fields. In this example some key fields are shown. Refer to the API documentation for more details.

Country codes are specified in an internal INTO format. The full list of supported country codes can be retrieved from the Catalog API (see below).

This API call requires an Outcome Id (courseId) and, optionally, a Progression Id (progressionCourseId) in applications.programInformation. These values can be found with the Catalog and/or Search APIs.

Set declarations.hasGrantedGdprContactPermission to indicate that the student has opted in under GDPR.

Set campaignId to relate the lead to the correct campaign. Your INTO representative will supply you with the correct value – the one above is just an example.

Set applications.programInformation.intendedStudyStartYearAndMonth to indicate when a student is interested in starting their studies. This field is optional. The value should be a year and month in the format: yyyy-mm, such as 2019-03.

# Populating lists with the Catalog API

## Universities

* Select API: Catalog API v1.0
* Operation: Returns all universities
* Enter name,slug in the field: fields

This will fetch a list of the universities and the slugs needed for the following call, as per the following example output.

[{

 {

 "name": "City, University of London",

 "slug": "city-university-london"

 },

 {

 "name": "Washington State University",

 "slug": "washington-state-university"

 },

 {

 "name": "University of Stirling",

 "slug": "university-of-stirling"

 }

}]

## Outcomes

* Select API: Catalog API v1.0
* Select operation: Return outcomes by university id…
* Enter a slug from the call above into universitySlug. For example: city-university-london
* Enter field names into fields, to reduce the result payload. For example: name,outcomeLevel,slug,id,outcomeType
* This will return *all* the outcomes available at a single university. The id is the Outcome Id that should be supplied to the Enrollment API’s courseId
* You may then need to filter out Direct Entry outcomes, for example. Unfortunately this API won’t do this for you; you’ll need to filter out outcomes where the outcomeType.internameName is Direct Entry, for example.

 {

 "id": "aCI3A000000CabvWAC",

 "name": "International Foundation in Computer Science",

 "outcomeLevel": "Undergraduate",

 "outcomeType": {

 "courseFeatureBullets": "- Develop the knowledge and skills for your chosen degree through a specialist pathway.\n- Guaranteed university placement for all successful students. Find out more about our [money back guarantee](http://www.intostudy.com/en-gb/international-foundation-guarantee \"International Foundation Guarantee\").\n- Benefit from smaller class sizes than at university, meaning you'll have more time with your teachers.\n- Adapt to studying in the UK thanks to university-style teaching for subject-based modules.\n- Guidance with your university applications, so you choose the best degree for you.",

 "description": "Leads to Year 1 of your undergraduate degree.\n",

 "id": "5gyEYz21o4SyekygmCAQ6U",

 "internalName": "International Foundation (UK)",

 "isThisProgrammeRightForMe": "If you've completed secondary school education in your home country, the International Foundation provides you with excellent academic preparation for university studies in the UK. It also ensures you meet the English language requirement for first year entry to your chosen undergraduate degree. \n",

 "localEquivalents": "We also accept a wide range of international qualifications including: \n- GCSEs/O-levels\n- A-levels\n- American High School Diploma\n- Attestat\n- International Baccalaureate \n- Senior High School 2/3\n- SPM or UEC\n- Tawjihiyya\n- Thanawiya",

 "name": "International Foundation",

 "progressionGuaranteeImageFileUrl": "https://images.ctfassets.net/xw2h6mjophtz/64ncFChBiEkAoAkG4Ywc8Y/21f454d1529e6fcae9bdc0d9bba72896/UK\_progression\_graphic.svg"

 },

 "slug": "international-foundation-in-computer-science"

}

## Progressions

* Select API: Catalog API v1.0
* Select operation: Returns a list of progression options for a given outcome by outcome id
* Enter an outcome id, returned by the previous call for example, into the id field. For example: aCI3A000000CabvWAC
* This will return the progressions available for the given outcome. The progression.id field (in bold) is the Progression Id that should be supplied to the Enrollment API’s progressionCourseId

{

 "academicRequirements": "65%",

 "id": "aCD1p0000004IzKGAU",

 "languageRequirements": "60%",

 "prerequisiteRequirements": "",

 "progression": {

 "id": "aCE1p000000TN5MGAW",

 "name": "Computer Science with Cyber Security-MSci",

 "progressionCourseLength": null,

 "universityName": "City, University of London"

 },

 "otherRequirements": "Mathematics for Science and Computing (65%) AND Foundation Computing (50%) OR\nFoundation Mathematics (65%) AND Foundation Computing (50%)",

 "isOptionalPlacementYearOffered": false,

 "isOptionalYearAbroadOffered": false

}

## Countries

The list of countries supported by the Enrolment API can be pulled down from the Catalog API operation: Get all countries.

The Enrolment API expects to receive the intoCountryCode values for the biography.nationality and biography.address.country fields.

The country list doesn’t change very often so should be cached by clients.

# Searching for courses with the Search API

The Search API can be used to search for outcomes and progressions via multiple fields, such as SubjectSearchPhrase.

* Select API: Search API 1.0
* Select operation: Returns courses matching the search criteria
* For example, keeping with the earlier examples, enter query parameters:
	+ In UniNames enter City, University of London
	+ In DirectEntry enter false

This will return outcomes at the given university, but exclude Direct Entry courses. An example outcome is shown below. The id and progressionId fields are the outcome and progression ids needed by the Enrollment API.

{

 "id": "**aCI3A000000CabvWAC**",

 "groupingId": "City, University of London:International Foundation in Computer Science:Pathway",

 "courseName": "International Foundation in Computer Science",

 "university": "City, University of London",

 "country": "GB",

 "courseType": "Undergraduate",

 "duration": null,

 "startDate": "2019-01-07T00:00:00",

 "disciplineNames": null,

 "progressionsCount": 6,

 "progressions": [

 {

 "groupingId": "City, University of London:International Foundation in Computer Science:Pathway",

 "progressionId": "**aCE1p000000TN5MGAW**",

 "productProgressionIds": [ "aCD1p0000004IzKGAU" ],

 "progressionInstitution": "City, University of London",

 "progressionCourse": "Computer Science with Cyber Security-MSci",

 "relevancy": 80.0,

 "progressionPrerequisites": ""

 },

 {

 "groupingId": "City, University of London:International Foundation in Computer Science:Pathway",

 "progressionId": "aCE3A000000TNeiWAG",

 "productProgressionIds": [ "aCD3A0000008zjpWAA" ],

 "progressionInstitution": "City, University of London",

 "progressionCourse": "Computer Science-BSc (Hons)",

 "relevancy": 80.0,

 "progressionPrerequisites": ""

 },

 {

 "groupingId": "City, University of London:International Foundation in Computer Science:Pathway",

 "progressionId": "aCE3A000000TNejWAG",

 "productProgressionIds": [ "aCD3A0000008zjqWAA" ],

 "progressionInstitution": "City, University of London",

 "progressionCourse": "Computer Science with Games Technology-BSc (Hons)",

 "relevancy": 80.0,

 "progressionPrerequisites": ""

 }

 ],

 "relevancy": 80.0,

 "progressionType": "Pathway",

 "universityBrandingSalesforceId": "a7j3A000000GoKHQA0",

 "overallEnglishRequirementMet": true,

 "writingEnglishRequirementMet": true,

 "readingEnglishRequirementMet": true,

 "listeningEnglishRequirementMet": true,

 "speakingEnglishRequirementMet": true,

 "englishRequirement": null,

 "additionalRequirements": null,

 "courseSlug": "international-foundation-in-computer-science",

 "universitySlug": "city-university-london"

}

# Environments & Versioning

Different host names are used when accessing INTO’s Production and Test environments.

New versions of existing APIs may also become available in future. The version is inserted near the beginning of the operation’s URL, such as: https://intoapitest.azure-api.net/CourseSearch/api/v1.0/.

Therefore, integrators should be prepared to alter the start of the URL, to target different environments and versions.

# **Key Management**

You must provide your subscription key when making calls to the APIs.

* Login at the Developer Portal
* Click on your name at the top-right of the page, then choose Profile from the drop-down
* Click Show under the Primary subscription key – you can then select and copy the key’s value
* A valid subscription key must be supplied with each call to the API as an HTTP header called Ocp-Apim-Subscription-Key

If the primary subscription key is lost or disclosed:

* Regenerate the Secondary key
* Reconfigure your integrations to use the new Secondary key value
* Regenerate the Primary key

If the Secondary key is disclosed then invert the above, switching back to the Primary.

# Support

For support please contact us via email.

## 1.0.0 – September 2018

* Initial release containing the Course Search API

## 1.0.1

* Revised Catalog API example to exclude Direct Entry outcomes

## 1.0.2

* Added ClientId to Enrolment API
* Revised guidance around Enrolment API country codes as they are an internal INTO format and not ISO alpha-2
* Added Get Countries operation to Catalog API

## 1.0.3

* Added field intendedStudyStartYearAndMonth to the lead creation example.