



# DOTEDU WEB API

Technical documentation

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# Executive Summary

## Document History



To track and quickly understand what the API has changed and affects to the document update, the table below displays the document editing history.

Date Changed	By	What's changed
2 August, 2015	Panu Kangsawiwat	<ul style="list-style-type: none"><li>- Initial document created</li><li>- DOTEDU.VET/V1 API created</li></ul>
24 September, 2015	Panu Kangsawiwat	<ul style="list-style-type: none"><li>- Add 2 new API resources<ul style="list-style-type: none"><li>o POST api/Vet/V1/Employers</li><li>o POST api/Vet/V1/Employers/Applications</li></ul></li><li>- Update content logic for existing API resources<ul style="list-style-type: none"><li>o POST api/Vet/V1/Employers/{employerid}/Applications</li><li>o POST api/Vet/V1/Students/Applications</li></ul></li></ul> <p>Specified as <b>red</b> font color.</p>
		-

## Who need this document?

This document is mainly created for the API client developer to walk through and understand how to use the API. If you are a developer who is developing your system to call our API for data integration between your system and our educational product systems, you are the right person to use this document.

Alternatively, you can go to the API service endpoint to see the list of all available resource service call methods as a quick reference via either our sandbox or live sites.



Sandbox API Root URL: <https://apisandbox.dotedu.com.au>



Live API Root URL: <https://api.dotedu.com.au>

# How to use



This section will describe the overview on how to use the API.

DOTEDU Web API is a REST API developed by following the standard mechanism of Microsoft ASP.NET WEB API2.2, with OAuth2.0 Security Bearer Token. Over the wire, all data communication is encrypted by SSL HTTP protocol as default.

## Quick step to request the API

1. Contact us to get a user credential to access the API
2. We will inform you
  - a. API user name & password
  - b. Which environment it's configured (Live or Sandbox)
  - c. Which product and DB will link with (RTOManager-Local system site)
3. Use the provided user credential to get the access token via '/token'.
4. Use the token to request the restricted resources.



### Remark:

1. Token will be valid only **24** hours after granted, for security reason. If it's expired, you need to request a new token by repeating step 3. Otherwise; you will get the error response '**401 – Unauthorized**'.
2. Please **keep your token in a secure place for your own identity check**. Even all communications are under SSL protocol, but whoever has got your valid token and do a request to our API, the request will be valid and perform the action as your identity [This is why we don't persist the token for long too.]

The API will contain different Root URIs categorized by 2 main divisions; 'Product type' and 'Versioning'.

Category Name	Definition	Sample URI
Product Type	Contains 3 types; <ul style="list-style-type: none"><li>- Vet: maps with the client who is using RTOManager-Local product.</li><li>- Cricos: maps with the client who is using RTOManager product.</li><li>- Uni: reserves for our future new product for University</li></ul>	<ul style="list-style-type: none"><li>- Api/Vet/{Version}/{ResourceName}</li><li>- Api/Cricos/{Version}/{ResourceName}</li><li>- Api/Uni/{Version}/{ResourceName}</li></ul>
Versioning	It is sub division after product type to identify the API logic and implementation version reference. It will represent by wording such 'V1', 'V1.2', and 'V2' and so on. Some of specific business logic or newly interface and resource implementation will be differentiated by versioning.	<ul style="list-style-type: none"><li>- Api/Vet/V1/{ResourceName}</li><li>- Api/Vet/V2/{ResourceName}</li><li>- Api/Cricos/V1/{ResourceName}</li><li>- Api/Uni/V1/{ResourceName}</li></ul>

For any snapshot of request and response to API service call, we use 'Advanced Rest Client Application' tool. You can download this tool for free via Chrome Web Store.

# API URI Structure Guide

---

## Sandbox API

- Root URL: <https://apisandbox.dotedu.com.au>
- Request token: <https://apisandbox.dotedu.com.au/token>
- DOTEDU.VET/V1 starting point: <https://apisandbox.dotedu.com.au/api/vet/v1/{resourcename}>
- DOTEDU.CRICOS/V1 starting point: <https://apisandbox.dotedu.com.au/api/cricos/v1/{resourcename}>
- DOTEDU.UNI/V1 starting point: <https://apisandbox.dotedu.com.au/api/uni/v1/{resourcename}>

## Live API

- Root URL: <https://api.dotedu.com.au>
- Request token: <https://api.dotedu.com.au/token>
- DOTEDU.VET/V1 starting point: <https://api.dotedu.com.au/api/vet/v1/{resourcename}>
- DOTEDU.CRICOS/V1 starting point: <https://api.dotedu.com.au/api/cricos/v1/{resourcename}>
- DOTEDU.UNI/V1 starting point: <https://api.dotedu.com.au/api/uni/v1/{resourcename}>

# DOTEDU.VET/V1 API



This API section is specifically for client who is using RTOManager-Local system.

Sandbox Service starting point : <https://apisandbox.dotedu.com.au/api/vet/v1/{resourcename}>

Live Service starting point : <https://api.dotedu.com.au/api/vet/v1/{resourcename}>

## 1. Authentication

All requests to DOTEDU.VET/V1 service require access token. You can acquire access token via '/token' with your user credential once. And use that token to access restricted resources.

### Keep in mind that

1. Token is valid only **24** hours after granted for security reason. After it's expired, you need to request a new token again for new request.
2. Please **KEEP** your valid token in a **SECURE** manner and **DO NOT SHARE** to any other non-related devices or entities, as whoever get it can use the token to perform the action on behalf of your identity.



### Request

**POST** /token

Content-Type: application/x-www-form-urlencoded

grant\_type : password

username : {yourUserName}

password : {yourPassword}



### Response

**Status : 200 OK**

**JSON :**

```
{
  access_token: {yourToken}
  token_type: "bearer"
  expires_in: 86399
  userName: {yourUsername}
  .issued: {currentDateTime}
  .expires: {currentDateTime} +24 hrs.
}
```

## Snapshot Sample:

https://apisandbox.dotedu.com.au/token

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Add new header

Raw Form Files (0) Payload

Add new value Values from here will be URL encoded!

grant_type	password	x
username	Your username	x
password	Your password	x

application/x-www-form-urlencoded Set "Content-Type" header to overwrite this value.

Clear Send

Status **200 OK** Loading time: 503 ms

Request User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/44.0.2403.125 Safari/537.36  
Origin: chrome-extension://hgml0ofddffdnphfgocellkdfbfjeloo

headers Content-Type: application/x-www-form-urlencoded  
Accept: \*/\*  
Accept-Encoding: gzip, deflate  
Accept-Language: en-US,en;q=0.8,ms;q=0.6,th;q=0.4

Response Cache-Control: no-cache  
Pragma: no-cache  
Content-Length: 887

headers Content-Type: application/json;charset=UTF-8  
Expires: -1  
Server: Microsoft-IIS/8.5  
Access-Control-Allow-Origin: chrome-extension://hgml0ofddffdnphfgocellkdfbfjeloo  
Access-Control-Allow-Credentials: true  
Set-Cookie: .AspNet.Cookies=AjH0yB-rLOl1ImzoAM\_zMzEhnrZVhg0maS4k4-y3WA7HDjQAwLejmHqRVTUzjuFEzE1\_IY1x6a0diOeRTfakV0Lsuuh6PnFs8MwwAwXB8qp  
r4\_4moESi5hW1\_JRCAYbILSR23XuVwuUkLVHY7NZer97JgHgdiS9pN7FmlIm2GPRR0ZwifZpSgGnEVYmyMz8be1Qp9hkfM8hxoqur7ITDWzsdNXxt2b0PFgGpBDwe1kpieAf  
zXTJ9OPwV7P0\_tzgw0bQiYopipnYggCOmVzErD3MjtwXmM2N0euUKOndmHxolZr8yQ9uA58gFTJqJK9dhmu7aN8T1uhI7D0QOw; path=/; secure; HttpOnly  
X-Powered-By: ASP.NET  
Date: Fri, 31 Jul 2015 05:00:51 GMT

Raw JSON Response

Copy to clipboard Save as file

```
{
  "access_token": "9W4xXA101-5-JBKx50iSh3rLb-
HcrB0255jY58AuxH0yAdwhNnpIQauUhsyQq21x4qzUx1edkYw2JQ6F44UHNbFgOFTxDncZjckKH4225IaU5jcvDvYDct6AV4K57UaVSe1TOurZvVvKns5mu9HSFCUuyoCvjrR3
Bh6ubvyZoid6Lhj3xo-k_9jgifzhV8B6BTJ5dw07PYJqqwJd1AZh9NW07LD0Icx_X0dd0S2hJtd0s09AK3xqACH-jg7ycw008Ja71_40tHmcYNXoARC4s3c3m0vy-
xTVk856AnUeXgjb1y2wo-21sn8H7p0HQdmeZy2yhqOLGzTxX-J-4gJk6_PX0M8r9ym9Dx2ny-
QJfr5D1pROM3asYpYr8CaCvW8fwMnNftppbBEPbUfXKyc8CP0qeqlBkhPa16jyQ7PuG_mMdYc-
dVSCeJW8p0ajmRQKLedktnRjybkp1R3J321m1zBH6es5m8d50TxDYh7000BRV5rBBuXJtkwo-jNwo0B"
  "token_type": "bearer"
  "expires_in": 86399
  "userName": "medicone_sandbox"
  ".issued": "Fri, 31 Jul 2015 05:00:50 GMT"
  ".expires": "Sat, 01 Aug 2015 05:00:50 GMT"
}
```

## 2. VetCourseV1

Support only GET method for this resource.

All information of courses/qualifications, including associated information such course offer intakes, can be retrieved from this resource.

API	Description
GET <code>api/Vet/V1/Courses</code>	Get all courses information list. Return as a collection of <code>ModelVetCourseV1</code> . Full <code>ModelVetCourseV1</code> classification can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )
GET <code>api/Vet/V1/Courses?active={active}&amp;ctype={ctype}&amp;courseid={courseid}&amp;natcode={natcode}&amp;partialqual={partialqual}&amp;department={department}&amp;faculty={faculty}</code>	Get courses information list by specifying search filter as part of URI (query string). List of valid course search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )
GET <code>api/Vet/V1/Courses/{id}</code>	Get course information by particular course Id {id} represents a valid course id.
GET <code>api/Vet/V1/Courses/{id}/CourseOfferIntakes</code>	Get all associated course offer intakes list for particular course. {id} represents a valid course id. Return as a collection of <code>ModelCourseOfferIntake</code> . Full <code>ModelCourseOfferIntake</code> classification can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )
GET <code>api/Vet/V1/Courses/{id}/CourseOfferIntakes?publish={publish}&amp;onlinepaymentflag={onlinepaymentflag}&amp;courseid={courseid}&amp;intakedate={intakedate}&amp;finishdate={finishdate}&amp;vcode={vcode}&amp;vsuburb={vsuburb}&amp;vstate={vstate}&amp;empcode={empcode}</code>	Get all associated course offer intakes list for particular course. {id} represents a valid course id. List of valid course intake search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )

### 2.1 Get all courses



#### Request

GET `/api/vet/v1/courses`

Request headers:

**Authorization:** bearer {yourAccessToken}



#### Response

Status : 200 OK

JSON :

[1] List of `ModelVetCourseV1`



```
0: {  
  CourseID: "123"  
  NationalCode: "123"  
  CourseName: "Basic Principles of Computing"  
  CourseGeneralDuration: "123 Day"  
  CourseDuration: 123  
  CourseDurationType: "Day"  
  CourseType: "AQTF"  
  Fees: 122  
  Active: true  
  OtherInfo: {  
    PreRequisite: "None"  
    Department: "Finance"  
    Faculty: "Accounting"  
    IsPartialQualificationDelivery: false  
    IsAVETMISSReportable: false  
  }  
}
```

## Snapshot Sample:

[Unnamed] Save Open

https://apisandbox.dottedu.com.au/api/vet/v1/courses

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Authorization: bearer s8vfdEnYqowrT2iSqOC\_gSLqTeDKrCG6696DjppQw9WzxmFe9ww\_DZcbOKTcnD971a8e0708bYnieNruis1w6zJFPYUn\_mINhMIKLY7tCJVbkfFFTvvvm9P9zAAuHuEceEuYyF9aGUnF9T5Q2js\_fEvSZ6DxRD15dHulQsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b\_Mt138Y6n1agamt23H1e593wUHo4UEQ-rCrbInRrvVeJKzwyYDKz51JA0qng7DUWAclUocPuyf1VqxRzuTun6QcNyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWqYqI3Nb9xc2Yw75EjExcR0gHuN5Yob73utYLn13\_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYVGUjJvM0ymI5N7bvzKYTXx0q10Cjrh6Tq9LCama6Tyk02Axc5Hxazu2CvH3S5sy1FtctXswQw7f5wZ94H5INXVz3NxxuvuH8db1vLd1wPkR

Clear Send

Status **200 OK** Loading time: 1388 ms

Request User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/44.0.2403.125 Safari/537.36

headers Authorization: bearer s8vfdEnYqowrT2iSqOC\_gSLqTeDKrCG6696DjppQw9WzxmFe9ww\_DZcbOKTcnD971a8e0708bYnieNruis1w6zJFPYUn\_mINhMIKLY7tCJVbkfFFTvvvm9P9zAAuHuEceEuYyF9aGUnF9T5Q2js\_fEvSZ6DxRD15dHulQsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b\_Mt138Y6n1agamt23H1e593wUHo4UEQ-rCrbInRrvVeJKzwyYDKz51JA0qng7DUWAclUocPuyf1VqxRzuTun6QcNyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWqYqI3Nb9xc2Yw75EjExcR0gHuN5Yob73utYLn13\_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYVGUjJvM0ymI5N7bvzKYTXx0q10Cjrh6Tq9LCama6Tyk02Axc5Hxazu2CvH3S5sy1FtctXswQw7f5wZ94H5INXVz3NxxuvuH8db1vLd1wPkR

Response Cache-Control: no-cache  
Pragma: no-cache  
Content-Type: application/json; charset=utf-8  
Expires: -1  
Server: Microsoft-IIS/8.5  
X-AspNet-Version: 4.0.30319  
X-Powered-By: ASP.NET  
Date: Sun, 02 Aug 2015 05:54:24 GMT  
Content-Length: 18240

Raw JSON Response

Copy to clipboard Save as file

```
[-0: {
  CourseID: "123"
  NationalCode: "123"
  CourseName: "Basic Principles of Computing"
  CourseGeneralDuration: "123 Day"
  CourseDuration: 123
  CourseDurationType: "Day"
  CourseType: "AQTF"
  Fees: 122
  Active: true
  -OtherInfo: {
    PreRequisite: "None"
    Department: "Finance"
    Faculty: "Accounting"
    IsPartialQualificationDelivery: false
    IsAVETMISSReportable: false
  }
}
-1: {
  CourseID: "85801"
  NationalCode: "8580207"
  CourseName: "Diploma of Business"
```

### 2.1 Get courses list by search filter



#### Request

GET /api/vet/v1/courses?active=true&ctype=AQTF

Request headers:

Authorization: bearer {yourAccessToken}

## 2.2 Get course information by id



### Request

GET /api/vet/v1/courses/BSB50401

Request headers:

**Authorization:** bearer {yourAccessToken}

## 2.3 Get course offer intakes for particular course



### Request

GET /api/vet/v1/courses/BSB50401/courseofferintakes

Request headers:

**Authorization:** bearer {yourAccessToken}

## 2.4 Get course offer intakes for particular course with search filter



### Request

GET /api/vet/v1/courses/BSB50401/courseofferintakes?publish=true&intakedate=1/1/2015-28/2/2015

Request headers:

**Authorization:** bearer {yourAccessToken}

There is a trick of search parameter for intake and finish date. You can specify the date in the following options. The key separator determination is (-) sign.

1. Exact date
  - a. ?intakedate=1/1/2015&finishdate=30/12/2015
  - b. ?intakedate=1/1/2015
  - c. ?finishdate=30/12/2015
2. Date range
  - a. ?intakdate=1/1/2015-28/2/2015&finishdate=31/1/2015-30/6/2015
  - b. ?intakdate=1/1/2015-28/2/2015
  - c. ?finishdate=31/1/2015-30/6/2015
3. Heading or tailing (from or to) specification
  - a. ?intakedate=1/1/2015-&finishdate=31/1/2015-
  - b. ?intakedate=-28/2/2015&finishdate=-30/6/2015
  - c. ?intakdate=1/1/2015-
  - d. ?finishdate=31/1/2015-
  - e. ?intakedate=-28/2/2015
  - f. ?finishdate=-30/12/2015

### 3. VetCourseOfferIntakesV1

Support only GET method for this resource.

All information of course offer intakes, including associated information such course/employer/venues (training locations), can be retrieved from this resource.

API	Description
GET api/Vet/V1/CourseOfferIntakes	Get all course intakes information list
GET api/Vet/V1/CourseOfferIntakes?publish={publish}&onlinepaymentflag={onlinepaymentflag}&courseid={courseid}&intakedate={intakedate}&finishdate={finishdate}&vcode={vcode}&vsuburb={vsuburb}&vstate={vstate}&empcode={empcode}	Get course intakes information list by specifying search filter as part of URI (query string). List of valid course offer intake search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/CourseOfferIntakes/{id}	Get course intake information by particular course offer intake code/Id {id} represents a valid course offer intake code/id.

#### Request

**GET** /api/vet/v1/courseofferintakes

Request headers:

**Authorization:** bearer {yourAccessToken}

**GET** /api/vet/v1/courseofferintakes/CIOcode101

Request headers:

**Authorization:** bearer {yourAccessToken}

**GET** /api/vet/v1/courseofferintakes?publish=true&onlinepaymentflag=true

Request headers:

**Authorization:** bearer {yourAccessToken}

## Snapshot Sample:

The screenshot displays a web browser's developer tools interface. At the top, the address bar shows the URL: `https://apisandbox.dotedu.com.au/api/vet/v1/courseofferintakes?publish=true&onlinepaymentflag=true`. Below the address bar, the request method is set to **GET**. The request headers section shows an **Authorization: bearer** token. The status bar indicates a **200 OK** response with a loading time of 1827 ms. The response headers section lists various headers including **Cache-Control: no-cache**, **Pragma: no-cache**, **Content-Type: application/json; charset=utf-8**, and **Expires: -1**. The response body is shown in the **Response** tab, displaying a JSON array of three objects. The first object is highlighted with a red box and contains the following data:

```
[229]
-0: { ... }
-1: { ... }
-2: {
  CourseIntakeCode: "12345"
  CourseID: "123"
  IntakeDate: "2012-09-14T00:00:00"
  FinishDate: "2012-09-15T00:00:00"
  DeliveryType: "Public"
  EmployerCode: null
  VenueCode: "Delhi Bld"
  NumMaxCapSeat: 23
  NumRemainingSeat: 23
  IsPublish: true
  IsOnlinePayment: true
  CourseOfferDescription: "12"
  Employer: null
  -Venue: {
    VenueCode: "Delhi Bld"
    VenueName: "ABC Pty"
    VenueDescription: null
    BuildingName: ""
  }
}
```

## 4. VetVenuesV1

Support only GET method for this resource.

All information of venues or training locations, including associated information such course offer intakes, can be retrieved from this resource.

API	Description
GET api/Vet/V1/Venues	Get all venues/training locations information list
GET api/Vet/V1/Venues?vcode={vcode}&vsuburb={vsuburb}&vstate={vstate}&vpostcode={vpostcode}&ciocode={ciocode}&courseid={courseid}	Get venues/training locations information list by specifying search filter as part of URI (query string). List of valid venue search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/Venues/{id}	Get venue/training information by particular venue code/Id {id} represents a valid venue code/id.
GET api/Vet/V1/Venues/{id}/CourseOfferIntakes	Get all associated course offer intakes for specific venue



### Request

**GET /api/vet/v1/venues**

Request headers:

**Authorization:** bearer {yourAccessToken}



**GET /api/vet/v1/venues?vstate=NSW&courseid=BSB50401**

Request headers:

**Authorization:** bearer {yourAccessToken}



**GET /api/vet/v1/venues/UltimoHall1**

Request headers:

**Authorization:** bearer {yourAccessToken}



**GET /api/vet/v1/venues/UltimoHall1/courseofferintakes**

Request headers:

**Authorization:** bearer {yourAccessToken}

## Snapshot Sample:

The screenshot shows a web browser interface for an API client. The address bar contains the URL `https://apisandbox.dotedu.com.au/api/vet/v1/venues?vstate=nsw`. The method dropdown is set to `GET`. The headers tab is selected, showing the request headers. The status bar indicates a `200 OK` response with a loading time of 63 ms. The response headers are also visible. The response body is shown in the JSON tab, containing an array of two venue objects.

```
https://apisandbox.dotedu.com.au/api/vet/v1/venues?vstate=nsw
```

**GET** POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Authorization: bearer s8vfdEnYqowrT2iSqOC\_gSLqTeDKrCG6696DjppQW9WZxmFe9ww\_DZcbOKTcnD971a8e070BbYnieNruis1w6zJFPYUn\_mINhMIKLY7tCJVbkfFFTvvvm9P9rzAAuNuEceEuyyfa9gUnF9T5Q2js\_feV5260xRD15dHulqsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b\_Ht138Y6n1agamt23H1e593wUHo4UEQ-rCrb1rnRrvVeJKzwcYyDKz51JA0qng7DUWAc1UocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTVMpN6rhWQmYqI3N9xc2Yw75EjExcR0gHun5Yob73utYLn13\_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYUGJjVm0YmI5NV7bvzKYTXXoq10Cjrh6Tq9LC4ma6Tyk06Axc5Hxazu2CXM3Sm5y1FtCtXswQw7fp5wZ94H5INXVz3nXxuvuHBd1bvLD1wPkR

Clear Send

Status: **200 OK** Loading time: 63 ms

Request: User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/44.0.2403.125 Safari/537.36  
Authorization: bearer s8vfdEnYqowrT2iSqOC\_gSLqTeDKrCG6696DjppQW9WZxmFe9ww\_DZcbOKTcnD971a8e070BbYnieNruis1w6zJFPYUn\_mINhMIKLY7tCJVbkfFFTvvvm9P9rzAAuNuEceEuyyfa9gUnF9T5Q2js\_feV5260xRD15dHulqsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b\_Ht138Y6n1agamt23H1e593wUHo4UEQ-rCrb1rnRrvVeJKzwcYyDKz51JA0qng7DUWAc1UocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTVMpN6rhWQmYqI3N9xc2Yw75EjExcR0gHun5Yob73utYLn13\_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYUGJjVm0YmI5NV7bvzKYTXXoq10Cjrh6Tq9LC4ma6Tyk06Axc5Hxazu2CXM3Sm5y1FtCtXswQw7fp5wZ94H5INXVz3nXxuvuHBd1bvLD1wPkR

headers: Accept: \*/\*  
Accept-Encoding: gzip, deflate, sdch  
Accept-Language: en-US,en;q=0.8,ms;q=0.8,th;q=0.4  
Cookie: .AspNet.Cookies=4B5AleeEVOMNnH5DSN5F8m3rAoWG95Q0Duk2zHZCyz40tVJ1LZvhnJ11kHfxvX9DPiMpBeflZIEleZCEaNLXFIZTFFXxDh\_8goX13gzumGZJDqyW2xBWjnlMuqGcndHs51EIVyeSfCLKdtf2Xag-FXEVFDD89A3MVRFFncV9uTAuPfg8t0HTYnaelwiazZWFFfCrwmZGNt0V1H20QaFvriVTC9HXrJh9YWKI4L\_ITqLWRp\_7

Response: Cache-Control: no-cache  
Pragma: no-cache  
Content-Type: application/json; charset=utf-8  
Expires: -1  
Server: Microsoft-IIS/8.5  
X-AspNet-Version: 4.0.30319  
X-Powered-By: ASP.NET  
Date: Sun, 02 Aug 2015 08:41:52 GMT  
Content-Length: 1053

Raw JSON Response

Copy to clipboard Save as file

```
[3]
-0: {
  VenueCode: "1234"
  VenueName: "Mascot Training Centre"
  VenueDescription: "Mascot Training Centre"
  BuildingName: ""
  FlatUnitDetail: "2"
  StreetNumber: "538"
  StreetName: "Gardeners Road"
  Suburb: "Mascot"
  State: "NSW"
  Postcode: "2134"
  Country: "Australia"
  ContactNo: "02 99999999"
}
-1: {
  VenueCode: "Delhi Bld"
  VenueName: "ABC Pty"
  VenueDescription: null
  BuildingName: ""
  FlatUnitDetail: ""
  StreetNumber: ""
}
```

## 5. VetEmployersV1

Support GET and POST method for this resource.

All information of employers, including associated information such participants or students, can be retrieved from this resource. Including Validate action to determine if the provided employer information is valid with any employer recorded in RTOManager-Local system or not.

POST method is specifically for submitting the applications on behalf of employer. This supports only new applications applied by existing employer.

API	Description
GET api/Vet/V1/Employers	Get all employer information list
GET api/Vet/V1/Employers?key={key}&opt={opt}&value={value}	Get employers information list by specifying search filter as part of URI (query string). List of valid employer search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ). <b>All 3 URI parameters are required;</b> <ul style="list-style-type: none"> <li>- <b>key</b> : valid value is required (look at <a href="#">EnumSearchKey</a>)</li> <li>- <b>opt</b> : valid value is required (look at <a href="#">EnumOperator</a>)</li> <li>- <b>value</b>: specific value to look for.</li> </ul>
GET api/Vet/V1/Employers/{id}	Get employer information by particular employer code/Id {id} represents a valid employer code/id.
GET api/Vet/V1/Employers/Validate?empcode={empcode}&empname={empname}&username={username}&email={email}&abn={abn}	Validate employer to determine if it's existed by combination of 2 matching field values. Use GET when providing employer value via URI as query string.
GET api/Vet/V1/Employers/{id}/Participants	Get list of associated students/participants for specific employer.
GET api/Vet/V1/Employers/{id}/Participants?id={id}&empid={empid}&dateapplied={dateapplied}&status={status}	Get list of associated students/participants for specific employer and specifying search filter as part URI (query string). List of valid student search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/Employers/{id}/Participants/{stdid}	Get particular student/participant information who is under specific employer. {id} represents a valid employer code/id. {stdid} represents a valid student id.
POST api/Vet/V1/Employers/{employerid}/Applications	Submit new applications for particular employer URI Parameters: employerid Body Parameters: List of ModelVetStudentV1. Details can be viewed via API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ). <b>Logic further description:</b> <ul style="list-style-type: none"> <li>- Data will go to Offer/Manage Enrolment section in RTOManager system by default.</li> <li>- But if system find matching data with existing student, data will go to directly Participant Section as add new course instead.</li> <li>- Keep in mind that there's no resource interface to get Student Offers Information in the API. Only Students API is available.</li> </ul>




<p>POST <a href="#">api/Vet/V1/Employers</a></p>	<p>Create new employer. All fields are required, except EmployerCode and UserName.</p> <p>ABN is a key value to check if there's any existed employer in the system before insert.</p> <p>Body Parameters: ModelVetEmployerV1. [EmployerCode and UserName can be null.]</p> <p>Details can be viewed via API Online Help (<a href="#">sandbox</a> / <a href="#">live link</a>).</p>
<p>POST <a href="#">api/Vet/V1/Employers/Applications</a></p>	<p>Submit new applications with new employer registration in one go.</p> <p>Body Parameters: ModelVetEmployerStudentV1 (Encapsulated data model for both Employer and a collection of Student/Applicant models).</p> <p>Employer model is required to perform new employer registration. If the same ABN matching found, new registration will be ignored and returned EmployerCode for next process.</p> <p>Next process is applications submission. Student models list is required.</p> <ul style="list-style-type: none"> <li>- Based on provided Email Address and Date of Birth, system will check any existing student data.</li> <li>- If existing Student record found (Participant section), simply add new course for that Student.</li> <li>- If existing Student record found that match in Enrolment section (Manage Enrolment section), simply add new course to the existing offer.</li> <li>- If new Student (i.e. no matching record found) then, freshly submit application on Manage Enrolment section – to be reviewed and confirmed by the Applicant.</li> </ul> <p>Keep in mind that there's no resource interface to get Student Offers information in the system. Only Students API is available.</p> <p>Details can be viewed via API Online Help (<a href="#">sandbox</a> / <a href="#">live link</a>).</p>

 **Request**

**GET** [/api/vet/v1/employers](#)

Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET** [/api/vet/v1/employers?key=name&opt=equal&value=Wilson Parking](#)


Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET** [/api/vet/v1/employers/2](#)

Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET** [/api/vet/v1/employers/2/participants](#)

Request headers:

**Authorization:** bearer {yourAccessToken}

**i** GET /api/vet/v1/employers/2/participants?dateapplied=2/8/2015

Request headers:

**Authorization:** bearer {yourAccessToken}

**i** GET /api/vet/v1/employers/2/participants/STD15002

Request headers:

**Authorization:** bearer {yourAccessToken}

**i** GET /api/vet/v1/employers/validate?empcode=2&abn=12345678901

Request headers:

**Authorization:** bearer {yourAccessToken}

**i** **Response**

**Status** 200 OK

ValidationResponse

```
{
  IsValid : true,
  Message: {description}
}
```

**i** **Request**

POST /api/vet/v1/employers/2/applications

Request headers:

**Authorization:** bearer {yourAccessToken}

Request Body Parameters:

*Collection of ModelVetStudentV1*

**i** **Response**

If Success, Redirect to '/api/vet/vet/employers/ {employerid}/participants?dateapplied={currentdate}.

Else, Status: 400 Bad Request

### ***Snapshot Sample:***

Please ensure you provide all the valid associated information, such course id and course offer intake code.

Below is the sample of invalid course id and course offer intake code that system couldn't find matching in the database setup (in RTOManager-Local system)

The field mentioned as 'Can be ignored' can be ignored and don't need to send to the API, such as StudentId and ApplicationId. This is because those Ids will be auto-generated by the system after application data has been submitted successfully.

The screenshot shows a REST client interface with the following details:

- URL:** https://apisandbox.dotedu.com.au/api/vet/v1/Employers/2/Applications
- Method:** POST
- Headers:** authorization: bearer QP5mpenZqJMSUpRk692gzk83XFD9T6ocVby2NUS12xTtTA2CVEJ84t134Q8p34YfJf5xM1tR4t1VwWuhIP1T2fAhPay8XyNrkLOCWVOV8MN-wh81c9ed102z1s3G0IggQcQVYL10TzoknSFobNEaFndHk\_xG3xkAkDr0nBdz0HDzdsquTEar7\_3dd-8X9Pgdgg089z1zaCfHl\_T0d0JzXzxsFRvWMLenIaV1dLJeYzJhPuvyZxNBMIZJvcQbaGwF1kgCtRamHF1AE6pfJfLcdP8upPvdx3ECUeh3A5fbAk6z2\_Gmh11EJc2SAFYOSbrnmVv-D0X\_Cm3Tc2Az49\_rTPm2017kPg531f7ZPrf211zQ82W1ae-v5KqkYRZ5t8LuoZGD7nrwise-FuQdRF3autJv9K1xCuFAYHkxah16-EeOkax12uoEYcn1eEak81h6Wle1g8Pfi132QukuCqakIno
- Payload:**

```
{  "Phone": "sample string 11"  }  {    "AppliedCourses": [      {        "StudentId": "Can be ignored",        "CourseId": "C00881",        "CourseIntakeCode": "1",        "ApplicationId": "Can be ignored",        "EmployerId": 2,        "TimeStamp": "2015-08-02T19:01:09.6839261+10:00",        "CourseIntakeCode": "C101",        "Status": "Can be ignored"      }    ]  }
```
- Status:** 400 Bad Request (Loading time: 2756 ms)
- Request Headers:** User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/44.0.2403.125 Safari/537.36; Origin: chrome-extension://hgmoofddfnphfgealkdfbfjelo; authorization: bearer QP5mpenZqJMSUpRk692gzk83XFD9T6ocVby2NUS12xTtTA2CVEJ84t134Q8p34YfJf5xM1tR4t1VwWuhIP1T2fAhPay8XyNrkLOCWVOV8MN-wh81c9ed102z1s3G0IggQcQVYL10TzoknSFobNEaFndHk\_xG3xkAkDr0nBdz0HDzdsquTEar7\_3dd-8X9Pgdgg089z1zaCfHl\_T0d0JzXzxsFRvWMLenIaV1dLJeYzJhPuvyZxNBMIZJvcQbaGwF1kgCtRamHF1AE6pfJfLcdP8upPvdx3ECUeh3A5fbAk6z2\_Gmh11EJc2SAFYOSbrnmVv-D0X\_Cm3Tc2Az49\_rTPm2017kPg531f7ZPrf211zQ82W1ae-v5KqkYRZ5t8LuoZGD7nrwise-FuQdRF3autJv9K1xCuFAYHkxah16-EeOkax12uoEYcn1eEak81h6Wle1g8Pfi132QukuCqakIno; Content-Type: application/json; Accept: \*/\*
- Response Headers:** Cache-Control: no-cache; Pragma: no-cache; Content-Type: application/json; charset=utf-8; Expires: -1; Server: Microsoft-IIS/8.0; Access-Control-Allow-Origin: chrome-extension://hgmoofddfnphfgealkdfbfjelo; Access-Control-Allow-Credentials: true; X-AspNet-Version: 4.0.30319; X-SourceFiles: #UTF-8?B?YzpodXNonNocGFudWc299ajW1bnRzXHZpc3VhbCBzdHViZWwkaW8kMjAxM1x0cm9eZW961x0e3RFZHVVZCQVBUjXERVvdWV6XzVwBUeUeYXBPXHZ06Fz2MvXzFvXb383llonNzNMcBoHbsaWnhGvbnM7=; X-Powered-By: ASP.NET; Date: Sun, 02 Aug 2015 10:58:38 GMT; Content-Length: 94
- Response Body (JSON):**

```
{  "message": "Invalid course id and/or course intake code. Application item: 1, 1."}
```

## 6. VetStudentsV1

Support GET and POST method for this resource.

All information of students/participants, including associated information such applications or applied courses history, can be retrieved from this resource. Including Validate action to determine if the provided student information is valid with any student recorded in RTOManager-Local system or not. This is to identify existing/returning student to apply new courses.

POST method is specifically for submitting the applications either for new student or existing/returning student.

API	Description
GET api/Vet/V1/Students	Get all student information list Only latest 500 students from the database to avoid slow data response.
GET api/Vet/V1/Students?id={id}&empid={empid}&dateapplied={dateapplied}&status={status}	Get student information list by specifying search filter as part of URI (query string). List of valid student search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/Students/{id}	Get student information by particular student Id {id} represents a valid student id.
GET api/Vet/V1/Students/{id}/Applications	Get list of applications (applied courses) for particular student.
GET api/Vet/V1/Students/{id}/Applications?empid={empid}&dateapplied={dateapplied}&status={status}	Get list of applications (applied courses) for particular student with specific application search parameter in URI (query string). List of valid application search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/Students/Applications	Get all existing applications. Only latest 500 applications from the database to avoid slow data response.
GET api/Vet/V1/Students/Applications?id={id}&empid={empid}&dateapplied={dateapplied}&status={status}	Get all existing applications by specific search filter as part of URI (query string). List of valid application search parameter can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).
GET api/Vet/V1/Students/Validate?stdid={stdid}&email={email}&dob={dob}&username={username}	Validate student to determine if it's existed by combination of 2 matching field values. Use GET when providing student value via URI as query string. List of valid validation parameters can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )
POST api/Vet/V1/Students/Validate	Validate student by POST method. Same rules are applied (at least the combination of 2 matching field values required) List of valid validation parameters can be viewed through API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> )
POST api/Vet/V1/Students/{id}/Applications	Submit a new application (list of courses applied) for particular existing student URI Parameters: id Body Parameters: List of ModelVetStudentCourseV1. Details can be viewed via API Online Help ( <a href="#">sandbox</a> / <a href="#">live link</a> ).


POST api/Vet/V1/Students/Applications	<p>Submit a new application for whole new data (new student personal data, address, and courses applied)</p> <p>URI Parameters: id</p> <p>Body Parameters: List of ModelVetStudentV1. Details can be viewed via API Online Help (<a href="#">sandbox</a> / <a href="#">live link</a>).</p> <p><b>Logic further description:</b></p> <ul style="list-style-type: none"> <li>- Data will be freshly recorded from Offers/Manage Enrolment section to Participant section.</li> <li>- If submit with same student data again (System will check Email Address and Date of Birth), system will only add new course to that student (Participant section) with new Offer Id and Course Attempt.</li> </ul>
---------------------------------------	---

## Request

**GET /api/vet/v1/students**

Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students?empid=2&dateapplied=2/8/2015**


Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students/STD15001**


Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students/STD15001/applications**

Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students/STD15001/applications?dateapplied=2/8/2015**


Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students/applications**

Request headers:

**Authorization:** bearer {yourAccessToken}

 **GET /api/vet/v1/students/applications?dateapplied=2/8/2015&status=Active Student**

Request headers:

**Authorization:** bearer {yourAccessToken}

### Request

**GET** /api/vet/v1/students/validate?id=STD15001&email=test@email.com.au

Request headers:

**Authorization:** bearer {yourAccessToken}

### Response

**Status** 200 OK

ValidationResponse

```
{
  IsValid : true,
  Message: {description}
}
```

### POST /api/vet/v1/students/validate

Request headers:

**Authorization:** bearer {yourAccessToken}

Request Body Parameters:

*ModelStudentValidationV1*

### Response

**Status** 200 OK

ValidationResponse

```
{
  IsValid : true,
  Message: {description}
}
```

### Request

**POST** /api/vet/v1/students/STD15001/applications

Request headers:

**Authorization:** bearer {yourAccessToken}

Request Body Parameters:

*Collection of ModelVetStudentCourseV1*

### Response

If Success, Redirect to '/api/vet/vet/students/{id}/applications?dateapplied={currentdate}'.

Else, Status: 400 Bad Request



## Request

POST /api/vet/v1/students/applications

Request headers:

**Authorization:** bearer {yourAccessToken}

Request Body Parameters:

ModelVetStudentV1



## Response

If Success, Redirect to '/api/vet/vet/students/{id}'.

Else, Status: 400 Bad Request

### Snapshot Sample:

Below is a sample of invalid validation parameter provided to validate student. Response status is still 200 OK, but ValidationResponse object as IsValid: false. You need to capture the value (true/false) from IsValid field to determine the validation response.

The screenshot shows a REST client interface. The URL bar contains: `https://apisandbox.dottedu.com.au/api/vet/v1/Students/validate?stdid=STU20100019&dob=16/07/1980&wer=test`. The request method is POST. The response status is 200 OK. The response headers include: `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, `Expires: -1`, `Server: Microsoft-IIS/8.0`, `X-AspNet-Version: 4.0.30319`, `X-SourceFiles: =?UTF-8?B?YzpedXNlonNcoGFudlMcZG9jdW1lbnRzXHZpc3VhbCBzdHkwaW6gMjA1M1xQcm9kZWNo1xEb3RFZHVhZVl0VjBjXERvdEVkdV9XZWJUElcYXBpXHZldFh2MmVhZGhkaW60c1xWVWp2GfQZQ==?`, `Date: Sun, 02 Aug 2015 10:37:58 GMT`, `Content-Length: 131`. The response body is JSON: `{ "IsValid": false, "Message": "Some key name is invalid. Only 'stdid', 'email', 'username' and 'dob' key name are valid." }`