



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">- Initial document created- DOTEDU.VET/V1 API created
		-

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">- Vet: maps with the client who is using RTOManager-Local product.- Cricos: maps with the client who is using RTOManager product.- Uni: reserves for our future new product for University	<ul style="list-style-type: none">- Api/Vet/{Version}/{ResourceName}- Api/Cricos/{Version}/{ResourceName}- Api/Uni/{Version}/{ResourceName}
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">- Api/Vet/V1/{ResourceName}- Api/Vet/V2/{ResourceName}- Api/Cricos/V1/{ResourceName}- Api/Uni/V1/{ResourceName}

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-rLOl1mcozAM_zMzEhnrZVhg0maS4k4-y3WA7HDjQAwLejmhlqRVUzjuFEzE1_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": "9W4xXA181-5-JBKx50iSh3rLb-
HcrB0255jY58AuxH8yAdwhNnpIQauUhsyQq21x4qzUx1edkYw2JQ6F44UHNbFgOFTxDnc2jckKH4225IaUi5jcvDvYDct6AV4K57UaVSe1TOurZvVvKns5mu9HSFCUuyoCvjrR3
Bh6ubvyZoid6Lhj3xo-k_9jgifzhV8B6BTJ5dw07PYJqqwJd1AZh9NW07LD0Icx_X0dd0S2hJtd0s09AK3xqACH-jg7ycw008Ja7l_40tHmcYNXoARC4s3c3m0vy-
xTVk856AnUeXgjb1y2wo-21sn8H7p0HQdmeZy2yhqOLGzTxx-J-4gJk6_PX0M8r9ym9Dx2ny-
QJfR5D1pROM3asYpYr8CaCvW8fwMnNftppbBEPbUfXKyc8CP0qeqlBkhPa16jyQ7PuG_mMdYc-
dVSCeJw8p0ajmRQKLedktnRjybkp1R3J321mM1zbH6es5m8d50TxDYh7000BRV5rBBuXJtkwo-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 (sandbox / live link)
GET <code>api/Vet/V1/Courses?active={active}&ctype={ctype}&courseid={courseid}&natcode={natcode}&partialqual={partialqual}&department={department}&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 (sandbox / live link)
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 (sandbox / live link)
GET <code>api/Vet/V1/Courses/{id}/CourseOfferIntakes?publish={publish}&onlinepaymentflag={onlinepaymentflag}&courseid={courseid}&intakedate={intakedate}&finishdate={finishdate}&vcode={vcode}&vsuburb={vsuburb}&vstate={vstate}&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 (sandbox / live link)

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-rCrblnRrvVeJKzwyYDKz51JA0qng7DUWAclUocPuyf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWQmYqI3Nb9xc2Yw75EjExcR0gHuN5Yob73utYLn13_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYVGUj3Vme9mI5N7bvzKYTXx0q10Cjrh6Tq9LCama6Tyk02Axc5Hxazu2CxH3S5sy1FtctXswQw7f5wZ94H5INXVz3nXxuvuH8db1vLd1wPkR

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
Authorization: bearer s8vfdEnYqowrT2iSqOC_gSLqTeDKrCG6696DjppQW9WZxmFe9ww_DZcbOKTcnD971a8e0708bYnieNruis1w6zJFPYUn_mINhMIKLY7tCJVbkfFFTvvvm9P9zAAuHuEceEuYyF9aGUnF9T5Q2js_fEvSZ6DxRD15dHulQsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b_Mt138Y6n1agamt23H1e593wUHo4UEQ-rCrblnRrvVeJKzwyYDKz51JA0qng7DUWAclUocPuyf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWQmYqI3Nb9xc2Yw75EjExcR0gHuN5Yob73utYLn13_X3ERQQJf18rYJx0htzgyf0N2fzVukRvYVGUj3Vme9mI5N7bvzKYTXx0q10Cjrh6Tq9LCama6Tyk02Axc5Hxazu2CxH3S5sy1FtctXswQw7f5wZ94H5INXVz3nXxuvuH8db1vLd1wPkR

headers: Accept: */*
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8,ms;q=0.6,th;q=0.4
Cookie: .AspNet.Cookies=4B5AleeEVOMNnhH5DSN5F8m3rAoW995Q9Duk2zHZ0yz40tMJ1LZwhnJ11k1hfvX9DPiMpBefjZIEleZCEaNLXfZTFfXXDh_8goX13gzumGZDqyW2xBWjnMUqGcndHs51E1VyeSfCLKdft2Xag-FXEWFDD89A3MVRfNcV9uTAuP8tg0HTYnaelwiazZWffCRwmZGnt0V1H20QaFvriVTC9HXyRjH9YWKI4L_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 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 (sandbox / live link).
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:

[Unnamed] Save Open

https://apisandbox.dotedu.com.au/api/vet/v1/courseofferintakes?publish=true&onlinepaymentflag=true

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Authorization: bearer s8vfdEnYqowrT2i5qOC_gSLqTeDKrCGG696DJppQw9WZxmFe9wW_DZcbOKTcnD971a8e070BbYnieNruI51w6zJFPYUn_mINhMIKLY7tCJVbkFFFTWvwm9P9rzAAuNuEceEuVyf9a gUnF9T5Q2js_f5vS260xRD15dHulQsY1dj2T660MCG-c0FVQF9vRXkDYtEE0cETkkjDyV80b_Mt138V6n1agamt23H1e593wUH04UEQ- nCrblrnRrvVeJkzwcYyDKz51JA0qng7DUWAclUocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvHpn6rhWQmYqI3Nbn9xc2Yw75EjExcR0gHUn5Yob73utYLn13_X3ERQQJ f18rYJx0htzdyf0N2fzVukRvY6Uj7Vm0YmISNV7bVzKYTXxq10Cjrh6Tq9LCAma6TykO6Axc5Hxaz2CxM35m5y1FtCtXsWQW7Fp9wZ94H5INXVz3NxxuVUH8d1bvLD1wPKR

Clear Send

Status 200 OK loading time: 1827 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 s8vfdEnYqowrT2i5qOC_gSLqTeDKrCGG696DJppQw9WZxmFe9wW_DZcbOKTcnD971a8e070BbYnieNruI51w6zJFPYUn_mINhMIKLY7tCJVbkFFFTWv rCrbImRrvVeJkzwcYyDKz51JA0qng7DUWAclUocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvHpn6rhWQmYqI3Nbn9xc2Yw75EjExcR0gHUn5Yob73utYLn13_X3ERQQJ

headers Accept: */*
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8,ms;q=0.6,th;q=0.4
Cookie: ASPNet_Cookies=4B5AleeEVOMNnhHSDGNF8m3rAoWG95Q9Duk2zHZCyz4OthVJ1LZvhnJ11klhfsvX9DPIMpBegfZIEIeZCEaNLXFZTFXXDh_8goX13gzumGZJD qyW2xBWjnmUqGcndH51EIVyeSfCLKktf2Xag-FXEWFDD89A3MVRfNcfV9uTauFg8tgHTYnaelwiazZWffCRwmZGNt0V1H20QaFvri8VTC9HXyJh9YwK1HL_ITqLWRp_7

Response Cache-Control: no-cache
Pragma: no-cache

headers 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 08:31:58 GMT
Content-Length: 185058

Raw JSON Response

Copy to clipboard Save as file

```
[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 (sandbox / live link).
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&coursed=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 window with the URL `https://apisandbox.dotedu.com.au/api/vet/v1/venues?vstate=nsw` in the address bar. The browser's developer tools are open, showing the network tab with a request to the same URL. The request method is GET, and the status is 200 OK. The response headers include `Cache-Control: no-cache`, `Pragma: no-cache`, `Content-Type: application/json; charset=utf-8`, and `Expires: -1`. The response body is a JSON array of two venue objects.

```
Authorization: bearer s8vfdEnYqowrT2iSqOC_gSLqTeDKrCG6696DjppQW9WZxmFe9ww_DZcbOKTcnD97la8e070BbYnieNruis1w6zJFPYUn_mINhMIKLY7tCJVbkfFFTvvvm9P9rzAAuNuEceEuyyf9a gUnF9T5Q2js_fEvS260xRD15dHulqsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b_Ht138Y6n1agamt23H1e593wUHo4UEQ-rCrb1rnRrvVeJKzwcYyDKz51JA0qng7DUWAc1UocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWQmYqI3N9xc2Yw75EjExcR0gHun5Yob73utYLn13_X3ERQQJ f18rYJx0htzgyf0N2fzVukRvYUgUjVm0YmI5NV7bvzKYTXXoq10Cjrh6Tq9LC4ma6Tyk06Axc5Hxazu2CXM3Sm5y1FtCtXswQw7fp5wZ94H5INXVz3nXxuvuHBd1bvLD1wPkR
```

Status: **200 OK** Loading time: 63 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
Authorization: bearer s8vfdEnYqowrT2iSqOC_gSLqTeDKrCG6696DjppQW9WZxmFe9ww_DZcbOKTcnD97la8e070BbYnieNruis1w6zJFPYUn_mINhMIKLY7tCJVbkfFFTvvvm9P9rzAAuNuEceEuyyf9a gUnF9T5Q2js_fEvS260xRD15dHulqsY1dj2T660HCg-c0FVQF9vRXkDYtEE0cETkkjdyV80b_Ht138Y6n1agamt23H1e593wUHo4UEQ-rCrb1rnRrvVeJKzwcYyDKz51JA0qng7DUWAc1UocPuYf1VqxRzuTun6qCnyK2hJrdppUyGmT4MBQ6eIsTvMpn6rhWQmYqI3N9xc2Yw75EjExcR0gHun5Yob73utYLn13_X3ERQQJ f18rYJx0htzgyf0N2fzVukRvYUgUjVm0YmI5NV7bvzKYTXXoq10Cjrh6Tq9LC4ma6Tyk06Axc5Hxazu2CXM3Sm5y1FtCtXswQw7fp5wZ94H5INXVz3nXxuvuHBd1bvLD1wPkR

Response headers:
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

Response body (JSON):

```
[{"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"}, {"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 (sandbox / live link). All 3 URI parameters are required; <ul style="list-style-type: none"> - key : valid value is required (look at EnumSearchKey) - opt : valid value is required (look at EnumOperator) - value: specific value to look for.
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 (sandbox / live link).
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 (sandbox / live link).



Request

GET /api/vet/v1/employers

Request headers:

Authorization: bearer {yourAccessToken}

i GET /api/vet/v1/employers?key=name&opt=equal&value=Wilson Parking

Request headers:

Authorization: bearer {yourAccessToken}

i GET /api/vet/v1/employers/2

Request headers:

Authorization: bearer {yourAccessToken}

i 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



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
- Request Headers:** Includes an authorization bearer token.
- Request Body (JSON):**

```
{  "Phone": "sample string 11",  "AppliedCourses": [    {      "StudentId": "Can be ignored",      "CourseId": "Course1",      "CourseAttempt": 1,      "ApplicationId": "Can be ignored",      "EmployerId": 2,      "Timestamp": "2015-08-02T19:01:09.6030261+10:00",      "CourseIntakeCode": "CI01",      "Status": "Can be ignored"    }  ]}
```
- Response:** 400 Bad Request. Loading time: 2756 ms.
- Response Headers:** Includes Cache-Control, Pragma, Content-Type, Expires, Server, Access-Control-Allow-Origin, Access-Control-Allow-Credentials, X-AspNet-Version, X-SourceFiles, X-Powered-By, Date, and Content-Length.
- 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 (sandbox / live link).
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 (sandbox / live link).
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 (sandbox / live link).
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 (sandbox / live link)
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 (sandbox / live link)
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 (sandbox / live link).


POST api/Vet/V1/Students/Applications	Submit a new application for whole new data (new student personal data, address, and courses applied) URI Parameters: id Body Parameters: List of ModelVetStudentV1. Details can be viewed via API Online Help (sandbox / live link).
---------------------------------------	---

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 returned as IsValid: false. You need to capture the value (true/false) from IsValid field to determine the validation response.

https://apisandbox.dotedu.com.au/api/vet/v1/Students/Validate?stdid=STU20100019&dob=16/07/1980&ver=test

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

authorization: bearer QP5mpemZqIH5UpRk60Zgck83KXDF9T6ocvby2NuSt2xT1ttA2CvE384t1340p34Vfj5xM1t84t1VwvuhIP1t2FahPay8XyNrkL0CvNOv8NrhN-wH8ic9dH13Zz3G8IggQcQVYL10TxzoknSFobNEaFnDh_kxG3kkakDr0nBdz0HDZhdSqiTEaFr7d_3dd-8X9PgdHggus88zuzicFfh_L_Tod0zXr2xsFRvtuWLEniwY1dL3eV2JhPuvyZxNBHJZvcQbaGuf1vgCtRamHf1AE6pfJftLCP8upPVdx3ECUzH3A5Fbakb2Z_Gmh1EJcc5AFyO5brn/mv-D0X_Cm3Tc2A249_rTPm2017KpRgSj7fIPf22LZQ82W1ae-v5KqkyR2S0tLwQZDgTurise-FLQdRf3aut3V9kLxufAVHkxH16-Ee0kaxi2UoeYcmLEakB1h6Wle1lg8PFi132QUkuCrgAkIno

Status: 200 OK loading time: 12 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 authorization: bearer QP5mpemZqIH5UpRk60Zgck83KXDF9T6ocvby2NuSt2xT1ttA2CvE384t1340p34Vfj5xM1t84t1VwvuhIP1t2FahPay8XyNrkL0CvNOv8NrhN-wH8ic9dH13Zz3G8IggQcQVYL10TxzoknSFobNEaFnDh_kxG3kkakDr0nBdz0HDZhdSqiTEaFr7d_3dd-8X9PgdHggus88zuzicFfh_L_Tod0zXr2xsFRvtuWLEniwY1dL3eV2JhPuvyZxNBHJZvcQbaGuf1vgCtRamHf1AE6pfJftLCP8upPVdx3ECUzH3A5Fbakb2Z_Gmh1EJcc5AFyO5brn/mv-D0X_Cm3Tc2A249_rTPm2017KpRgSj7fIPf22LZQ82W1ae-v5KqkyR2S0tLwQZDgTurise-FLQdRf3aut3V9kLxufAVHkxH16-Ee0kaxi2UoeYcmLEakB1h6Wle1lg8PFi132QUkuCrgAkIno

Response headers: 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?YzpcdXNlbnNocGFudWtZG9jdWlibnRzXHZpc3VhbCBzdHViawW6gMAwM1xQomqZWN0c1xlb3RFR2hVZVQVBJXERvdEVIkdV9xZWJUElcYXBpXHZldFh2MmVtGhVhZW60c1xWYWxpZGF0ZD0=? X-Powered-By: ASP.NET Date: Sun, 02 Aug 2015 10:37:58 GMT Content-Length: 131

Raw JSON Response

```
{
  "IsValid": false,
  "Message": "Some key name is invalid. Only 'stdid', 'email', 'username' and 'dob' key name are valid."
}
```