



**TITUS**

# Supply Chain Sustainability School

API Guide for Partner  
Companies



PREMIUM CERTIFIED SERVICES PROVIDER

# Contents

<b>Purpose of the document</b>	<b>3</b>
<b>Audience</b>	<b>3</b>
<b>Authentication</b>	<b>3</b>
<b>General</b>	<b>4</b>
<b>Postman collection</b>	<b>6</b>
<b>List of endpoints</b>	<b>8</b>
Partner internal data	8
Potential suppliers	12
Priority suppliers	13
Search company	16
Update resource view	17

## Purpose of the document

To provide a guide for the partner companies of Supply Chain Sustainability School on how they can use the API (Application Programming Interface) endpoints to potentially integrate their systems with the school's Learning Management System built on Moodle.

The API endpoints help partners to request information that is stored on the school platform pertaining to the partners such as:

- Potential supplier list
- Priority supplier list
- Partner company's internal data related to members
- Company directory

The API endpoints also allow partners to make necessary updates to views of resources that are hosted outside of the school's LMS.

## Audience

This content and the format of this document is aimed at those with technical experience of working with APIs. It is assumed they will be familiar with the API of the system they wish to integrate with. Accessing the endpoints covered in this document uses language that is specific to Supply Chain Sustainability School.

## Authentication

The SCSS API uses the bearer token authentication for authorisation. These API endpoints are currently only available to partner members of the school and require the Partner Owner or Partner Administrator to visit the URL given below to generate and access their token which will be required for subsequent web services calls.

In order to access the following URL, the Partner Owner or Partner Administrator must have an account on the School's LMS. Partner status is administered and updated by the SCSS Administration Team.

URL for partners to generate and access their token.

<https://learn.supplychainschool.co.uk/local/tlwebscss/partnertoken.php>

When you access the above link, you will get a token, which is a random string that you can then use for the API calls. This token will only be generated once and will be the same each time you access the URL that generates the token. The token generated will be unique to each user and therefore must not be shared. You will need to keep this token private and secure as this will be required for authorisation.

## General

The API endpoints are built in RESTful API standards. The API endpoints allow fetching information from the system, support pagination and the batch control parameters can be sent to get responses in batches accordingly.

Headers that have to be passed to the endpoints are shown in the table below

Content-Type	application/json
Accept	application/json
Authorization	<token that you generated in the previous step>

### Batch control params

Wherever relevant, parameters will be passed to the endpoints in the “body” of the request

Most endpoints support getting paginated data back from the system - an example of the body request is given below

```
{
  "request" : {
    "batch": {
      "page": 1,
      "perpage": 5
    }
  }
}
```

When an endpoint that supports pagination is used, it sends back the batch information in the response along with the relevant data

```
"response": {  
  "batch": {  
    "totalpages": 14,  
    "totalitems": 68,  
    "page": 1,  
    "perpage": 5  
  },  
  ...  
}
```

## Postman collection

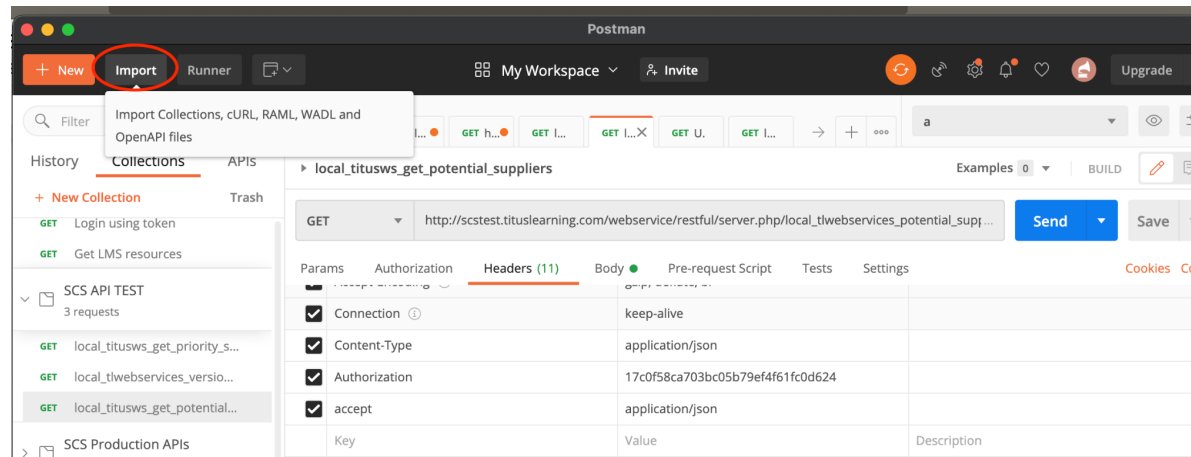
Postman application is a free tool which is a client for testing API endpoints. You can access the link below to download & install Postman application.

<https://www.postman.com/downloads/>

A Postman collection file has been prepared which you can import into the application to carry out testing.

[Click here to download the Postman collection](#)

Once Postman is downloaded and installed. Click Import and you can drag and drop the postman collection file from where you saved it. This will create a new collection called SCSS API Endpoints Partners as per the following screenshots.

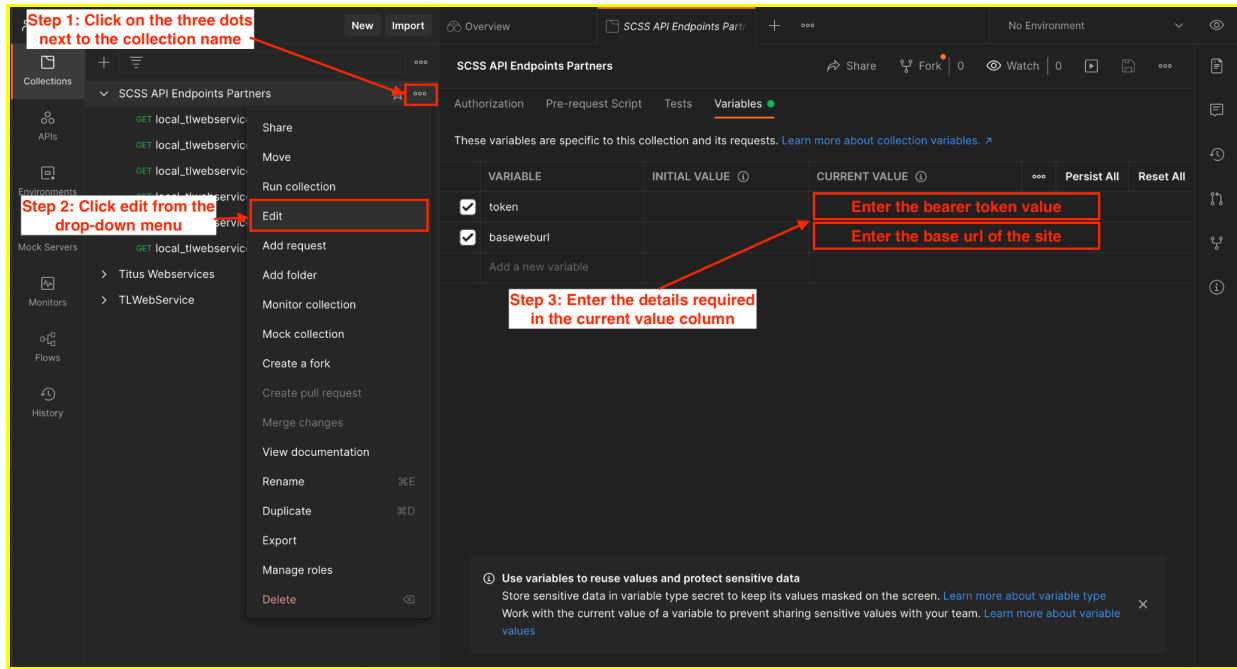


Once the postman collection is imported, you would need to configure the two variables in the collection before starting to use the API calls.

The two variables are:

Token	<token that you generated in the first step> (See <a href="#">Authentication</a> section for more information)
Baseweburl	<a href="http://learn.supplychainschool.co.uk">learn.supplychainschool.co.uk</a>

The following screenshot shows the 3 steps to configure the 2 variables.



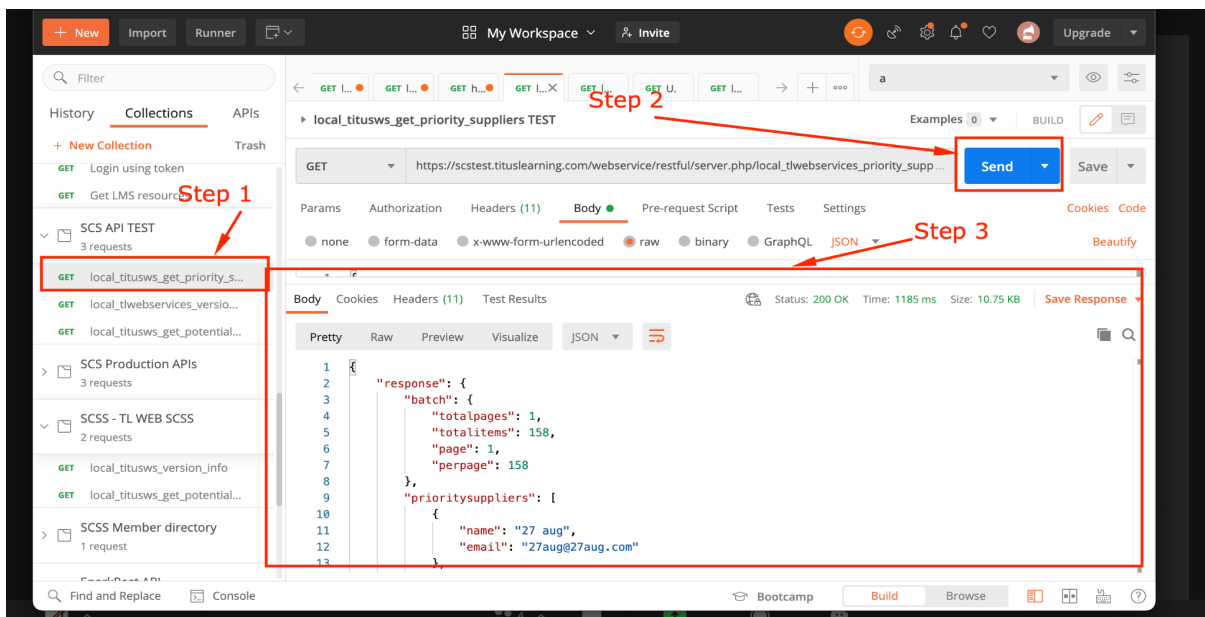
Once the variables are configured, you can then start using the endpoints.

**Step 1:** select the endpoint you want to test

**Step 2:** click the 'Send' button to generate a request

**Step 3:** review the response body to see the information

The following screenshot illustrates the above steps.



## List of endpoints

### 1) Partner internal data

[https://learn.supplychainschool.co.uk/webservice/restful/server.php/local\\_tlwebservices\\_partner\\_data](https://learn.supplychainschool.co.uk/webservice/restful/server.php/local_tlwebservices_partner_data)

This endpoint is intended to provide the partners their own internal data on the learning platform. Querying this endpoint returns:

- The list of the users in the partner company
- The resources they have accessed and completed
- The learning paths they have accessed and completed

#### Request parameters

This endpoint supports pagination. No other request param is currently supported. Blank requests are also supported.

#### Response

The response is paginated and sends back the batch information along with the actual data

userid	ID of the user on the school platform
username	Username of the user
email	Email of the user
registerdate	The date the user registered on the platform
lastlogindate	Date the user last logged in to the platform
assessmentcount	The number of 'individual' assessments attempted by the user
lastassessmentdate	Date the user last attempted an assessment
eventscout	The number of events that the user has attended / participated
lasteventdate	Date the user last attended an event
userresources	This is a list of resources that the user has accessed each record contains



	id	ID of the resource
	name	Name of the resource
	status	Whether user has completed the resource or not
	type	Type of resource
	completeddate	Date resource is completed (empty if not complete)
	grade	Grade the user received for this resource (empty if no grade)
userlearningpaths	This is the list of learning paths that the user has accessed and completed.	
	id	ID of the learningpath
	name	Name of the learning path
	type	Type of learning path
	completeddate	Date the learning path was completed (empty if not completed)

### Potential uses of the endpoint

A GET request to this endpoint can also get insights about the users of the partner company with their resource history and the learning paths. The information can be further processed to get statistics for each user such as:

- How many resources they have completed
- What is the maximum grade they have got etc.

## Response Sample

```
{
  "response": {
    "batch": {
      "totalpages": 1,
      "totalitems": 68,
      "page": 1,
      "perpage": 68
    },
    "partnerdata": [
      {
        "userid": 112233,
        "username": "sample@example.com",
        "email": "sample@example.com",
        "registereddate": "5/11/15",
        "lastlogindate": "",
        "assessmentcount": 0,
        "lastassessmentdate": "",
        "eventscount": 1,
        "lasteventdate": "28/07/20",
        "userresources": [
          {
            "id": 312,
            "name": "TEST ",
            "status": "complete",
            "type": "Web link",
            "completeddate": "28/07/20",
            "grade": "100"
          },
          {
            "id": 1488,
            "name": "ECO Innovate",
            "status": "complete",
            "type": "Document / Presentation",
            "completeddate": "23/07/20",
            "grade": "-"
          }
        ],
        "userlearningpaths": [
          {
            "id": 22,
```

```
        "name": "1929 Self-E",
        "type": "Self-enrol",
        "completeddate": ""
    },
    {
        "id": 32,
        "name": "1s-E",
        "type": "Self-enrol",
        "completeddate": ""
    }
]
},
{
    "userid": 112233,
    "username": "sample2@example.com",
    "email": "sample2@example.com",
    "registerdate": "1/11/19",
    "lastlogindate": "",
    "assessmentcount": 0,
    "lastassessmentdate": "",
    "eventscount": 1,
    "lasteventdate": "31/07/19",
    "userresources": [
    ],
    "userlearningpaths": [
    ]
}
}
```

## 2) Potential suppliers

[https://learn.supplychainschool.co.uk/webservice/restful/server.php/local\\_tlwebservices\\_potential\\_suppliers](https://learn.supplychainschool.co.uk/webservice/restful/server.php/local_tlwebservices_potential_suppliers)

This endpoint is intended to provide the partners the list of their potential suppliers that have been added to the school platform.

### Request parameters

This endpoint supports pagination. No other request param is currently supported.

### Response parameters

The response is paginated and sends back the batch information along with the actual data

name	Name of the potential supplier
email	Email of the potential supplier

### Response Sample

```
{
  "response": {
    "batch": {
      "totalpages": 1,
      "totalitems": 17,
      "page": 1,
      "perpage": 17
    },
    "potentialsuppliers": [
      {
        "name": "Sample name"
        "email": "sample2@example.com"
      },
      {
        "name": "Sample Name 2" ,
        "email": "sample@example.com"
      }
    ]
  }
}
```

### 3) Priority suppliers

[https://learn.supplychainschool.co.uk/webservice/restful/server.php/local\\_tlwebervices\\_priority\\_suppliers](https://learn.supplychainschool.co.uk/webservice/restful/server.php/local_tlwebervices_priority_suppliers)

This endpoint is intended to provide the partners the list of their priority suppliers that have been added to the school platform.

#### Request parameters

This endpoint supports pagination. No other request param is currently supported.

#### Response parameters

The response is paginated and sends back the batch information along with the actual data

id	id of the priority supplier
name	Name of the priority supplier
email	Email of the priority supplier
level	Company level of the supplier
size	Company size of the supplier
companytrades	List of the trades the supplier company has selected
companytopics	List of the topics the supplier company has selected
companymarkets	List of markets the supplier company has selected
registertrationdate	Date that the company has registered on the platform
website	website
businessunit	Business Unit that the supplier belongs to
subbusinessunit	Sub business unit that the supplier belongs to
numberofusers	Actual number of users from the supplier that have registered accounts on the platform
logo	Url of the company logo if applicable

companyowner	Name and email of the company owner	
resourcesaccessed	id	ID of the resource
	name	Name of the resource
	status	Whether user has completed the resource or not
	type	Type of resource
	completeddate	Date resource is completed (empty if not complete)
	grade	Grade the user received for this resource (empty if no grade)
lastlogindate	Last login date	
lastresourceaccessed date	Date of the resource last accessed	
numberofresources accessed	Number of resources accessed	
lastassessmentdate	Date the last assessment was attempted	
numberofassessments	Number of company assessment attempted	
lasteventdate	Date the last event was attended	
numberofcpdhours	Number of CPD hours	
numberoftraininghours	Number of training hours.	
learningpaths	This is the list of learning paths that the company has accessed and completed.	
	id	ID of the learningpath
	name	Name of the learning path
	type	Type of learning path

		<p><b>completeddate</b> Date the learning path was completed (empty if not completed)</p>

### Response sample

```
{
  "response": {
    "batch": {
      "totalpages": 1,
      "totalitems": 158,
      "page": 1,
      "perpage": 158
    },
    "prioritysuppliers": [
      {
        "id": 123,
        "name": "Sample Company name",
        "email": "sample@example.com",
        "level": "Registered",
        "size": "6-25",
        "companytrades": [
          "M&E"
        ],
        "companytopics": [
          "Sustainability"
        ],
        "companymarkets": [
          ""
        ],
        "registrationdate": "2021-08-27 10:51",
        "website": "",
        "businessunit": "Sample business unit",
        "subbusinessunit": "",
        "numberofusers": 1,
        "logo": "",
        "companyowner": {
          "name": "Owner",
          "email": "owner@companysample.com"
        }
      },
    ]
  }
}
```

```

        "lastlogindate": "2021-08-27 10:53:31",
        "resourcesaccessed": [],
        "lastresourceaccesseddate": "2021-08-27 10:53:31",
        "numberofresourcesaccessed": 0,
        "lastassessmentdate": "2021-08-27 10:53:31",
        "numberofassessments": 1,
        "lasteventdate": "",
        "numberofevents": 0,
        "numberofcpdhours": "0 hrs 0 mins",
        "numberoftraininghours": "0 hrs 0 mins",
        "learningpaths": []
    }
}

```

## 4) Search company

[https://learn.supplychainschool.co.uk/webservice/restful/server.php/local\\_tlwebserVICES\\_search\\_company](https://learn.supplychainschool.co.uk/webservice/restful/server.php/local_tlwebserVICES_search_company)

This endpoint facilitates a search for companies using the email address. If a match is found the records of the company are returned

### Request parameters

This endpoint does not support pagination and so batch requests cannot be sent.

### Response parameters

This endpoint returns the following information if there is a match found

name	Name of the company
email	Email of the company

### Request sample

```

{
  "request": {
    "email": "sampleemail@example.com"
  }
}

```

### Response sample

```

{

```



```
"response": {
  "batch": {
    "totalpages": 1,
    "totalitems": 1,
    "page": 1,
    "perpage": 1
  },
  "potentialsuppliers": [
    {
      "name": "Company name",
      "email": "email@sample.com"
    }
  ]
}
```

## 5) Update resource view

[https://learn.supplychainschool.co.uk/webservice/restful/server.php/local\\_tlwebservices\\_update\\_resource\\_views](https://learn.supplychainschool.co.uk/webservice/restful/server.php/local_tlwebservices_update_resource_views)

This endpoint gives partners the ability to update the “resource views” for instances where the user accessed the resource on the partner’s own portal and for that information to be reflected on the school LMS.

### Request parameters

This endpoint does not support pagination and so batch requests cannot be sent. It needs the email of the user and the cmid (resourceid) which the user has viewed. The CMID (i.e. Resource ID) can be collected from the ‘Resources Report’ within the SCSS LMS.



### Response parameters

Whether the update was successful or if there is any error

#### Request sample

```
{  
  "request": {  
    "email": "example@example.com",  
    "cmid": 10  
  }  
}
```

#### Response sample

```
{  
  "response": true  
}
```