

# VitalSource Courses & Enrollments Integration for Brightspace/D2L

Leveraging Brightspace REST APIs, this integration gives VitalSource additional data to complement the VitalSource LTI Tool for Brightspace and enhance the user experience across VitalSource applications.

## Users

Campus Brightspace administrators can quickly and easily create a role and system user, then register the VitalSource app to power this integration.

## How to Set Up

### PART 1: CREATING A ROLE WITH PERMISSIONS

We recommend you create a role specific to this integration. This will allow you to control the permissions available to VitalSource.

1. Navigate to the Settings Menu (gear icon) and select **Roles & Permissions**
2. Click **Create/Copy**
3. You can copy an existing role if you like, or start fresh. Either way, make sure your role is configured as noted in the next steps.
  - a. General
    - I. Name: VitalSource
    - II. Cascading Role: Check this box
  - b. You do not need to select anything in **Tool Behavior Options** or **Classlist Display Options**
  - c. **Course Access Options**
    - I. Access Inactive Courses: Check this box
    - II. Access Past Courses: Check this box
    - III. Access Future Courses: Check this box
    - IV. Access All Course Sections
    - V. Access All Course Groups

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## PART 1, STEP 3

### Course Access Options

Access

- Access inactive courses ?
- Access past courses ?
- Access future courses ?

Sections

- Access all course sections ?
- Can be auto enrolled into sections ?
- None of the above ?

Groups

- Access all course groups ?
- Can be auto enrolled into groups ?
- None of the above ?

### New Role

General

Name \*

Description

Cascading

- Cascading Role ?

Role Alias

4. Click **Save**
5. On the **Edit Role Interactions** page, check all boxes for your Administrator role

## PART 1, STEP 5

### Edit Role Interactions - VitalSource

Define how other roles interact with this role in the Learning Environment

Search for 'VitalSource'

Select which roles can search for members of this role in the Manage Users tool.

Roles	Program	Department	Organization	Campus	School Type	Semester	Course Template	Course Offering	Group
VitalSource	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Administrator-NonCas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instructor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Faculty (Simple)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Click **Save** and you have created the role
7. On the Role List page, click the down arrow next to the VitalSource role you just created and select **Edit Permissions**

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8. In the **Filter by Tool** dropdown menu, select **Classlist** and click **Apply Filter**. Check the following boxes and click **Save**:
- Has Access to the Classlist: All boxes
  - See Classlist Report: All boxes
  - View Group Enrollments: All boxes

## PART 1, STEP 8

Classlist	Organization	Course Template	Course Offering	Group	Semester	Section	Department	Program	School Type
Has Access to the Classlist	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
See Classlist Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View Group Enrollments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modify Display Settings of Classlist Tabs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. In the **Filter by Tool** dropdown menu, select **Course Management Console** and click **Apply Filter**. Check the following boxes and click **Save**.
- See Course Info: Course Offering, Group, Semester, Section, Department, Program, School Type, Campus
  - See Tool Management: Course Offering
  - Set Tool Status: Course Offering
10. In the **Filter by Tool** dropdown menu, select **External Learning Tools** and click **Apply Filter**. Check the following boxes and click **Save**.
- Manage External Learning Tools Configuration: Course Template, Course Offering, Semester, Section, Department, Program
  - Launch External Learning Tool Links: Course Offering
  - Manage External Learning Tool Links: Course Template, Course Offering, Semester, Section, Department, Program
  - Manage External Learning Tool Providers: Course Template, Course Offering, Semester, Section, Department, Program
  - Create External Learning Tool Links from available External Learning Tool Providers: All boxes

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11. In the **Filter by Tool** dropdown menu, select **My Org Units** and click **Apply Filter**. Check the following boxes and click **Save**.
  - a. See My Org Units: Organization, Course Template, Course Offering, Group, Semester, Section, Department, Program
  - b. Manage My Org Units tool: Course Offering
12. In the **Filter by Tool** dropdown menu, select **Org Unit Editor** and click **Apply Filter**. Check the following boxes and click **Save**.
  - a. Can Create and Edit Org Units: Organization
13. In the **Filter by Tool** dropdown menu, select **Tool Management** and click **Apply Filter**. Check the following boxes and click **Save**.
  - a. See Org Tool Management: Organization
14. In the **Filter by Tool** dropdown menu, select **User Information Privacy** and click **Apply Filter**. Check the following boxes and click **Save**.
  - a. See First Names: All boxes
  - b. See Last Names: All boxes
  - c. See Usernames: All boxes
  - d. See Org Defined IDs: All boxes
  - e. See Email Addresses: All boxes
15. In the **Filter by Tool** dropdown menu, select **Users** and click **Apply Filter**. Check the following boxes and click **Save**.
  - a. View the Users' Email Address: Organization, Course Template, Course Offering, Group, Semester, Department, Program
  - b. View Users' Org Defined IDs: Organization, Course Template, Course Offering, Group, Semester, Department, Program
  - c. View User Enrollments: Organization, Course Template, Course Offering, Group, Semester, Department, Program
  - d. Search for 'Instructor': All boxes
  - e. Search for 'Student': All boxes

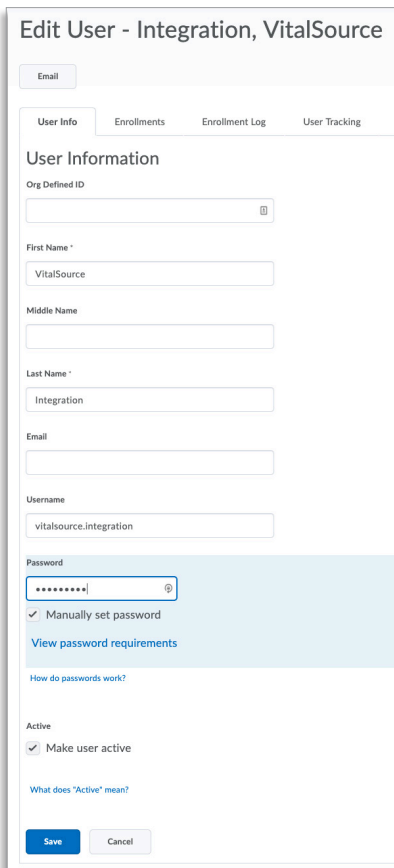
# VitalSource Courses & Enrollments Integration for Brightspace/D2L

## PART 2: CREATE A SYSTEM USER

Now that you have created a role, you can create a system user for the integration.

1. Navigate to the Settings Menu (gear icon) and select Users
2. Click **New User** and enter the following:
  - a. First Name: VitalSource
  - b. Last Name: Integration
  - c. Username: vitalsource.integration
  - d. Role: Select the VitalSource role you created in Part 1
  - e. Password: Check the **Manually set password** box and enter a password that you will remember. You will need this later.
3. Click **Save**

## PART 2



The screenshot shows the 'Edit User' interface for a user named 'Integration, VitalSource'. The form is titled 'Edit User - Integration, VitalSource' and has tabs for 'User Info', 'Enrollments', 'Enrollment Log', and 'User Tracking'. The 'User Info' tab is active, showing the following fields and options:

- Org Defined ID:** A text input field.
- First Name:** A text input field containing 'VitalSource'.
- Middle Name:** A text input field.
- Last Name:** A text input field containing 'Integration'.
- Email:** A text input field.
- Username:** A text input field containing 'vitalsource.integration'.
- Password:** A password input field with a strength indicator. Below it, the checkbox 'Manually set password' is checked. A link 'View password requirements' is visible.
- Active:** A checkbox 'Make user active' is checked. A link 'What does "Active" mean?' is visible below it.

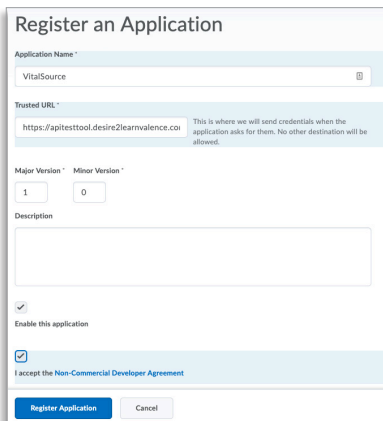
At the bottom of the form, there are 'Save' and 'Cancel' buttons.

# VitalSource Courses & Enrollments Integration for Brightspace/D2L

## PART 3: REGISTER AN APP

1. Navigate to the Settings Menu (gear icon) and select **Manage Extensibility**
2. Click **Register an App** and enter the following:
  - a. Application Name: VitalSource
  - b. Trusted URL: <https://apitesttool.desire2learnvalence.com/>
  - c. Enable this application: Check this box
  - d. I accept the Non-Commercial Developer Agreement: Check this box
  - e. Click Register Application

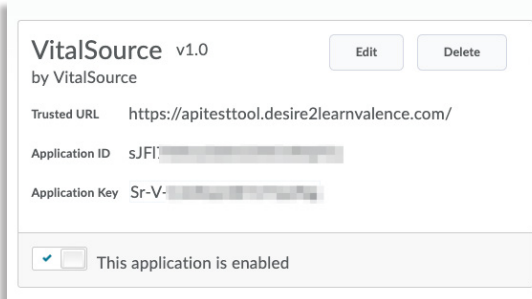
## PART 3, STEP 2



The screenshot shows the 'Register an Application' form. The 'Application Name' field contains 'VitalSource'. The 'Trusted URL' field contains 'https://apitesttool.desire2learnvalence.com/'. The 'Major Version' is set to '1' and the 'Minor Version' is set to '0'. There is a 'Description' text area. Below the text area, there are two checkboxes: 'Enable this application' (checked) and 'I accept the Non-Commercial Developer Agreement' (checked). At the bottom, there are two buttons: 'Register Application' and 'Cancel'.

3. Copy the Application ID and Application Key and save them. You'll need them again.

## PART 3, STEP 3



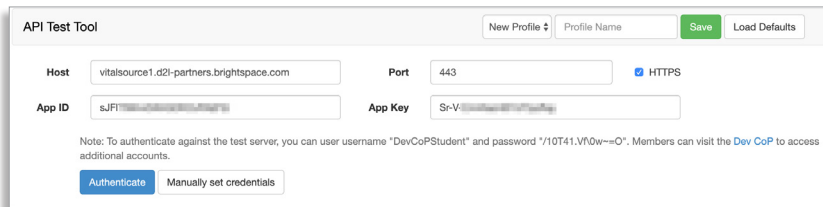
The screenshot shows the application details page for 'VitalSource v1.0'. The page has 'Edit' and 'Delete' buttons. The 'Trusted URL' is 'https://apitesttool.desire2learnvalence.com/'. The 'Application ID' is 'sJFI-...' and the 'Application Key' is 'Sr-V-...'. At the bottom, there is a checkbox labeled 'This application is enabled' which is checked.

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## PART 4: AUTHENTICATE

1. In an incognito or private browser window, go to <https://apitesttool.desire2learnvalence.com>
2. Enter the following:
  - a. Host: URL for your D2L
  - b. App ID: Enter the Application ID you created in Part 3
  - c. App Key: Enter the Application Key you created in Part 3

## PART 4, STEP 2



The screenshot shows the 'API Test Tool' interface. At the top, there are buttons for 'New Profile', 'Profile Name', 'Save', and 'Load Defaults'. Below this, there are input fields for 'Host' (vitalsource1.d2l-partners.brightspace.com), 'Port' (443), and a checked 'HTTPS' checkbox. There are also input fields for 'App ID' and 'App Key'. A note below the fields states: 'Note: To authenticate against the test server, you can use username "DevCoPStudent" and password "/10T41.VN0w==O". Members can visit the Dev CoP to access additional accounts.' At the bottom, there are two buttons: 'Authenticate' and 'Manually set credentials'.

3. Click Authenticate
  - a. You will be redirected to the sign-in page for your D2L. Enter the username and password for the system user you created in Part 2.
4. On successful authentication, you will be redirected back to the API Test Tool page where the User ID and User Key are displayed

## PART 4, STEP4



The screenshot shows the 'API Test Tool' interface after successful authentication. The 'Host', 'Port', and 'HTTPS' fields are the same as in the previous screenshot. The 'App ID' and 'App Key' fields are also the same. Below these, there are new input fields for 'User ID' (KLBA...) and 'User Key' (k0bd...). A red 'Deauthenticate' button is now visible at the bottom right.



Your Customer Success Manager will provide you with details on any training and support your campus may need.