



Open Badge Factory LTI Integration

Installing Open Badge Factory LTI Integration on Canvas LMS



Prerequisites

- Before registering your LTI-credentials you need an account on openbadgefactory.com
- To set up the LTI connection, you also need administration privileges on your Canvas LMS -system



Consumer register – Mozilla Firefox

Consumer register x +

Discendum Oy (FI) | https://openbadgefactory.com/ltiapp/manage/consumers/register | Haku

1. Go to:
<https://openbadgefactory.com/ltiapp/manage/consumers/register>

2. Open <https://openbadgefactory.com/> in another tab, to retrieve your API key

Get your API-key from Open Badge Factory, to register your LTI-credentials. You can generate an API-key in Open Badge Factory by accessing **Admin tools** > **API key**.

Submit

If you have already have a consumer key and secret, you can login [here!](#)

Admin tools / Organisation details

1.

User accounts

3.

[Generate certificate signing request token](#)

The token is used to connect external clients via REST api.
Copy the token in full. It is valid for ten minutes after generation.

Organisation details

Sub-Organisations

Partner network

Shared by us

Guideline

API key

2.

Style sheet

4. Select & copy



Register for LTI-credentials

Api key

QVMDVbARyA1eMUSWceur
fA8zryzAuSnTsDLGCN1gKnwPeKw33ucLGp0SMw

Get your API-key from Open Badge Factory, to register your LTI-credentials. You can generate an API-key in Open Badge Factory by accessing **Admin tools > API key**.

Submit

If you have already have a consumer key and secret, you can login [here!](#)

The screenshot shows the 'Admin tools / Organisation details' page in Open Badge Factory. It includes a navigation bar with 'Open Badge Factory', 'Dashboard', 'Issuer tools', 'Creator tools', 'Admin tools', 'Reports', and 'Help'. The main content area is titled 'Admin tools / Organisation details' and contains a section for 'API key' generation. A blue box highlights the 'API key' field, and a blue arrow points from the text 'Paste the API key here' to this field. The API key value is partially visible as 'QVMDVbARyA1eMUSWceur fA8zryzAuSnTsDLGCN1gKnwPeKw33ucLGp0SMw'.

Consumer details – Mozilla Firefox

Tiedosto Muokkaa Näytä Sivuhistoria Kirjanmerkit Työkalut Ohje

Consumer details

openbadgefactory.com/manage/consumers/1

Account details Settings Api access Log out

Below are the settings you can use to add this LTI app to your LMS, or manage settings on this site.
Write these settings down somewhere.

Consumer key: NPCY64y5CEy1

Secret: 53abc123abc123abc123abc123

Setup your account

Click here to start the guided setup process

1. Choose LMS System
2. Pre-Configure
3. Configure API
4. Configure API
5. Post-Configure
6. Pre-Test
7. Test API

Select your LMS System type here. You will need additional steps based on your selection.

Lms system

canvas

Proceed to
the next step

next

Select your
LMS type
(canvas)

Open Badge Factory – Mozilla Firefox

Open Badge Factory

Discendum Oy (FI) | https://openbadgefactory.com/ltiapp/manage/consumer: | Haku

Account details Settings Api access Log out

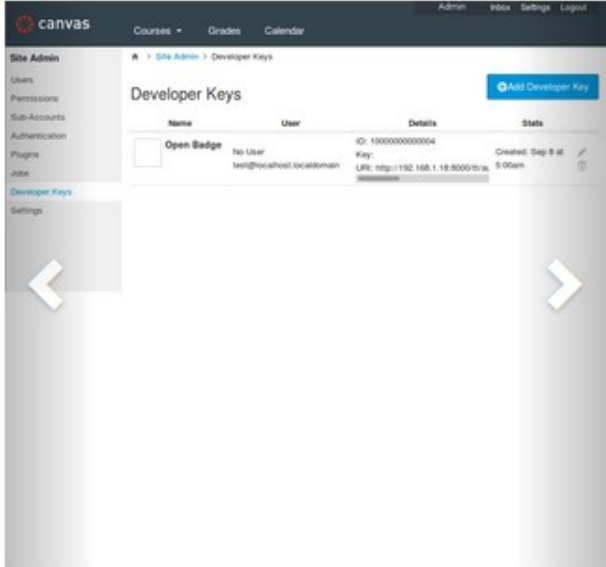
1. Choose LMS System

Create Developer Keys on Canvas LMS

When you have logged in to Canvas LMS with your administrator credentials, navigate to the **Site Admin > Developer Keys** -page.

On the developer keys page, clicking the **Add Developer Key** -button will present you with a popup. Fill out the fields, setting the "Redirect URI" to "https://openbadgefactory.com/ltiapp/lti/auth".

You will need the **ID** and **Key** in the next step.



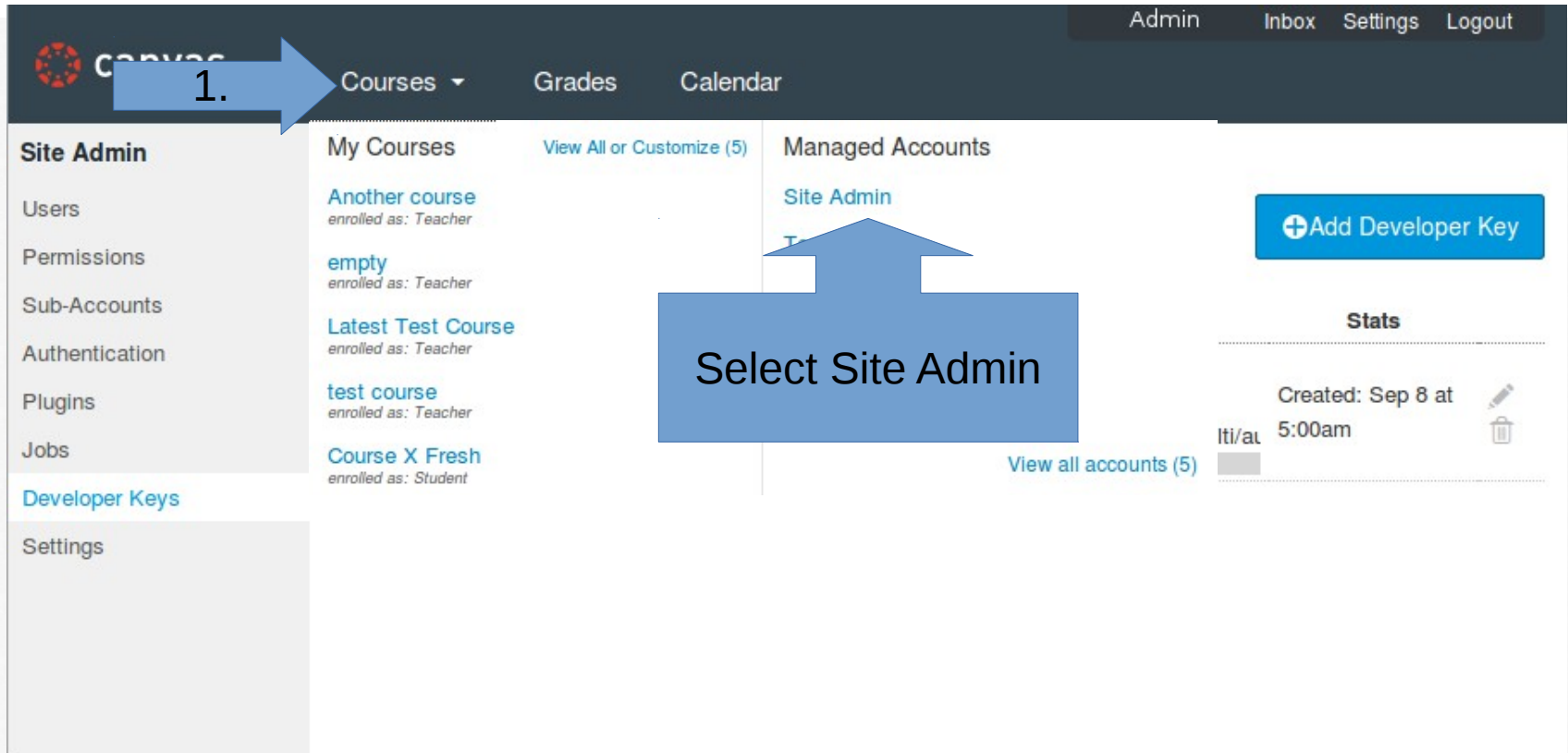
The screenshot shows the Canvas LMS interface. On the left is a navigation menu with 'Developer Keys' selected. The main content area is titled 'Developer Keys' and features a table with one entry:

Name	User	Details	State
Open Badge	No User	ID: 10000000000004 Key: [redacted] URI: http://192.168.1.18:8000/ia	Created: Sep 8 at 5:00am

Navigation arrows are visible on the left and right sides of the screenshot.

start over back next

Follow these instructions and open your Canvas LMS in another tab. (more on the next slide)



Admin Inbox Settings Logout

1. Courses ▾ Grades Calendar

Site Admin

- Users
- Permissions
- Sub-Accounts
- Authentication
- Plugins
- Jobs
- Developer Keys
- Settings

My Courses [View All or Customize \(5\)](#)

- [Another course](#)
enrolled as: Teacher
- [empty](#)
enrolled as: Teacher
- [Latest Test Course](#)
enrolled as: Teacher
- [test course](#)
enrolled as: Teacher
- [Course X Fresh](#)
enrolled as: Student

Managed Accounts

- [Site Admin](#)

[+ Add Developer Key](#)

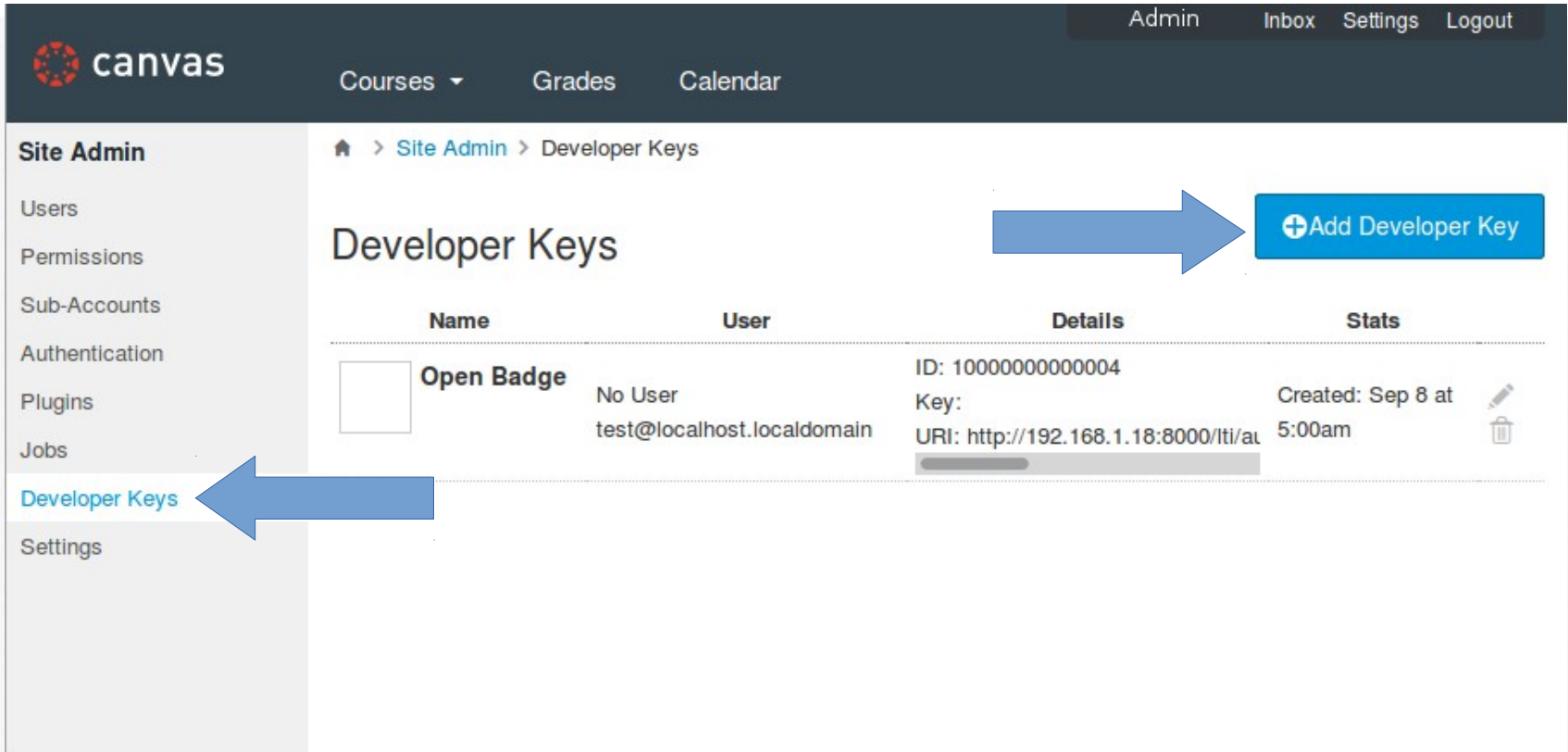
Stats

Created: Sep 8 at 5:00am

Iti/al

[View all accounts \(5\)](#)

Select Site Admin



Admin Inbox Settings Logout

canvas Courses ▾ Grades Calendar




Site Admin

- Users
- Permissions
- Sub-Accounts
- Authentication
- Plugins
- Jobs
- Developer Keys**
- Settings

Home > Site Admin > Developer Keys

Developer Keys

[+ Add Developer Key](#)

Name	User	Details	Stats
 Open Badge	No User test@localhost.localdomain	ID: 100000000000004 Key: URI: http://192.168.1.18:8000/iti/al	Created: Sep 8 at 5:00am  



Admin Inbox Settings Logout

canvas Courses ▾ Grades Calendar

Site Admin > Site Admin > Developer Keys

Users
Permissions
Sub-Accounts
Authentication
Plugins
Jobs
Developer Keys
Settings

Key Settings [X]

Key Name:

Owner Email:

Tool ID:

Redirect URI:

Icon URL:

Cancel

Stats
ed: Sep 8 at
am

Copy the URI from the instructions.



Open Badge Factory - Mozilla Firefox

Open Badge Factory x Open Badge Factory x +

doppelganger.discendum.com:8000/manage/canvas/devkeys/19/con Haku

Account details Settings Api access Log out

Configuration complete.

You can now add this LTI app to your Canvas LMS.

Adding Open Badge Factory to Canvas LMS

- In Canvas LMS, access **Site Admin > Settings > Apps**.
If you do not want to enable Open Badge Factory -integration on all of courses on your site and you prefer to set up the app just for one course, access **Settings > Apps** on the course-navigation.
- Add Open Badge Factory to The Apps list by clicking the **Add App** -button.
- Add the LTI application with the details below.

Add App -options
Configuration Type By URL
Name Open Badge Factory
Consumer Key NVUNB8a2V6a2
Secret 53123abc123abc123abc123123abc123
Configuration URL: http://openbadgefactory.com/ltiapp/config.xml

Save the app settings by clicking **Submit**

- You should now have an "Open Badges" link in your course navigation.

Add App

Configuration Type
By URL

Name
Open Badge Factory

Consumer key
NVUNB8a2V6a2

Conf...

Setup is done on the LTI App's end. On your Canvas LMS, you still have to add this LTI App to your courses. Follow the instructions. (Canvas steps shown on the next slide.)

1.

Courses

Grades

Calendar

Latest

Home

Announcements

Assignments

Discussions

Grades

People

Pages

Files

Syllabus

Outcomes

Quizzes

Modules

Open Badges

Settings

My Courses

[View All or Customize \(5\)](#)

Managed Accounts

[Another course](#)*enrolled as: Teacher*[empty](#)*enrolled as: Teacher*[Latest Test Course](#)*enrolled as: Teacher*[test course](#)*enrolled as: Teacher*[Course X Fresh](#)*enrolled as: Student*[Site Admin](#)

2. Go to Side Admin, if you want to enable the App on your entire site. Or select a course, if you want the App on a single course.

Add App

Name

Open Badge Factory



Latest

- Home
- Announcements
- Assignments
- Discussions
- Grades
- People
- Pages
- Files
- Syllabus
- Outcomes
- Quizzes
- Modules
- Open Badges
- Settings**

🏠 > Latest > Settings

[Course Details](#) [Sections](#) [Navigation](#) **Apps** [Feature Options](#)

External Apps

4.

5.

[Add App](#)

Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

[See some LTI tools](#) that work great with Canvas.

Name

Open Badge Factory



External Apps

Add App

Add App

Configuration Type

By URL

Name

Open Badge Factory

Consumer key

NP

Client Secret

fd0baf0b

Config URL

https://openbadgefactory.com/tiapp/config.xml

Example: https://example.com/config.xml

Submit

Use
"By URL"

Copy values from
the instructions

Save. "Open Badges"
will appear on course navigation

test

- Home
- Announcements
- Assignments
- Discussions
- Grades
- People
- Pages
- Files
- Syllabus
- Outcomes
- Quizzes
- Modules
- Open Badges**
- Settings

test



Home

Profile

Manage ▾

Log out



Earning method

Instructors approval

Request

Open Badges
will appear on
course navigation.



Links

<https://openbadgefactory.com>

<https://openbadgefactory.com/ltiapp/>

<https://www.eduappcenter.com/apps/426>

<https://openbadgefactory.com/developers/plugins>