**Blackbaud ON to Canvas Integration Documentation**

***Python Automation***

* The python program is commented in a detailed manner so that anyone with python experience will know what each part of the program does. The template should just be edited for individual instances.
* The Windows Task Scheduler is set to run this script every day at 5:00pm (Adjust to 4:00pm during Standard Time). This is approx. ½ hour before the Kimono picks up the information
* The program will pull all required information from the specified lists above and export final CSV files to Kimono via SFTP.
* It is important that the ON Advanced Lists **ARE NOT** copied. The list id from Gateway is how the program pulls the correct information.

***ON Advanced Lists & Kimono Files:* - Organized by Kimono File Name (See Screenshots Folder for examples of the advanced lists configuration in ON)**

1. manifest.xml
   1. Maps our exported data from ON into Kimono Platform
   2. Is not specific to Canvas or another platform.
2. SCHOOL.csv
   1. Static CSV file. Not exported from ON.
   2. School IDs - Matches sub account ID in Canvas
3. TERM.csv - **Exported Nightly**
   1. Kimono Term Export in ON lists
   2. Set filter for current year terms (School Year.Current is True)
4. STAFF.csv - **Exported Nightly**
   1. Kimono Staff Export in ON Lists
   2. Set filter for role of **Non-Teaching Staff or Teacher**
      1. If staff member leaves, role changes so their user will be deleted in Canvas
5. STUDENTS.csv - **Exported Nightly**
   1. Kimono Student Export in ON Lists
   2. Set filter for users with role of student.
6. COURSE.csv - **Exported Nightly**
   1. Kimono Course Export in ON
   2. Set filter for **ACTIVE** courses
   3. This is NOT school-year specific
7. COURSE\_SECTION.csv - **Exported Nightly**
   1. Kimono Course Section Export in ON.
   2. Creates course sections & enrolls teachers into sections
   3. Set filter for courses based on school year & trimester fields
8. STUDENT\_COURSE\_SECTION\_ENROLLMENT.csv - **Exported Nightly**
   1. Kimono Student Course Enrollment Export in ON
   2. Set filter for **CURRENT SCHOOL YEAR**

***End of Year***

1. Change Active School year
   1. Repository > School Year > Change to Current Year
   2. Click **Reset Repository**

Collections:

1. Nightly as scheduled automatically
2. Manual Collection is possible - Repository > Refresh

***Required User Accounts & Kimono Access***

**Kimono Dashboard**:

https://us1.kimonocloud.com

**Canvas Kimono Admin Account** - Used for OUATH2 token so kimono changes can be pushed to Canvas

Username: XXXXX

PW: XXXXX

**Blackbaud Service Account** - Used in Python Scripts to authorize ON API

Blackbaud KB on using their API to pull lists: <http://on-api.developer.blackbaud.com/API/list/get-listID/>

Full Name: Account, Service

Username: XXXXX

Password: XXXXX

**Kimono SFTP Information**:

Username: XXXXX

Password: XXXXX

Host: sftp://kimono.exavault.com

Port: 22