

Creating the Student Transaction Log Outbound Connector in Workday

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The Student Transaction Log Outbound Connector is an important component of the integration between Workday and 25Live via LYNX. It tracks changes for preliminary and published course sections and updates LYNX at scheduled intervals, eliminating the need to manually initialize course section data in the LYNX user interface. (Reference data, such as academic periods, locations, and subject codes, is not tracked by this connector and must still be manually initialized.)



How Does it Work?

The connector produces a StudentTransactionLog.xml file with the section WID's of the course sections that have changed. That XML file can then be transformed via XSLT to a valid Get_Course_Sections request. Both the StudentTransactionLog.xml file and the response to Get_Course_Sections are then delivered to CollegeNET servers via a Web Service.

The instructions below outline the basic steps for creating and configuring the Student Transaction Log Outbound Connector. For more detailed information and security requirements, please refer to the [Workday Documentation](#).

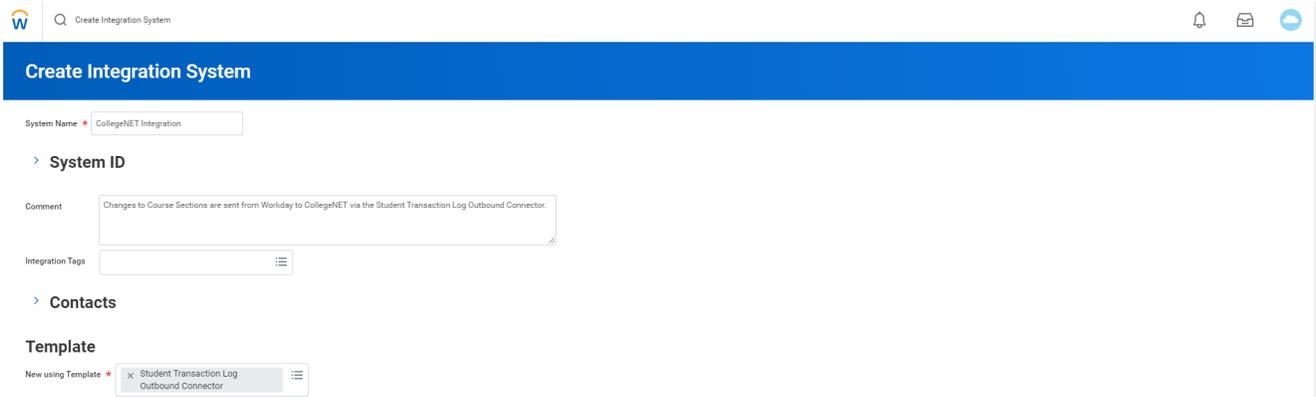
Create the Student Transaction Log Outbound Connector

1) Run the *Create Integration System* task.

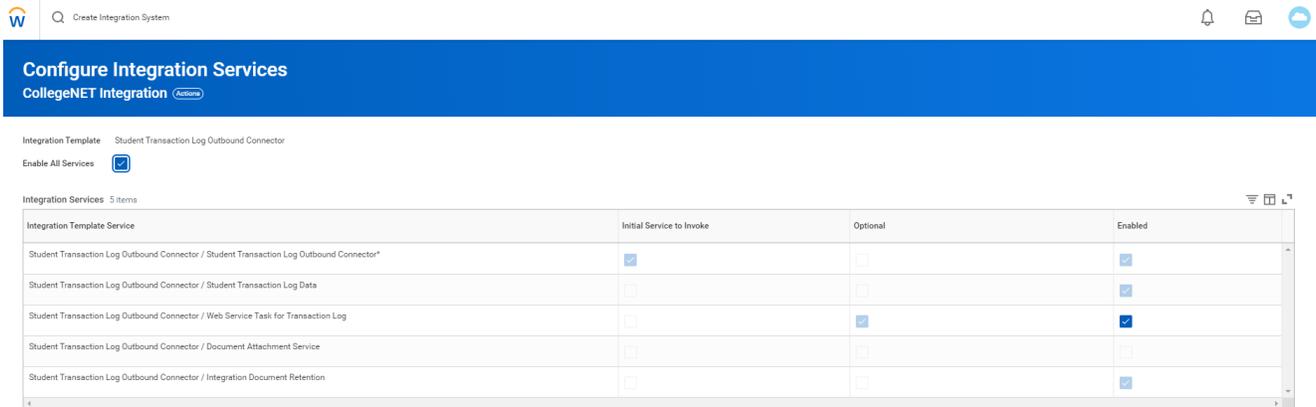


2) Name the Integration and select the *Student Transaction Log Outbound Connector* template.

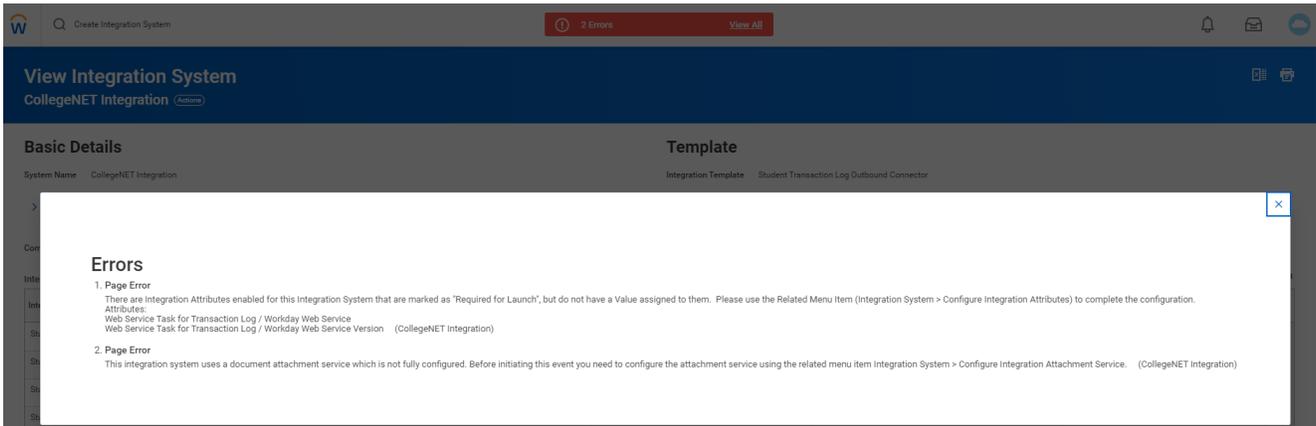
CollegeneT Series25 Help and Customer Resources



3) Enable all services.

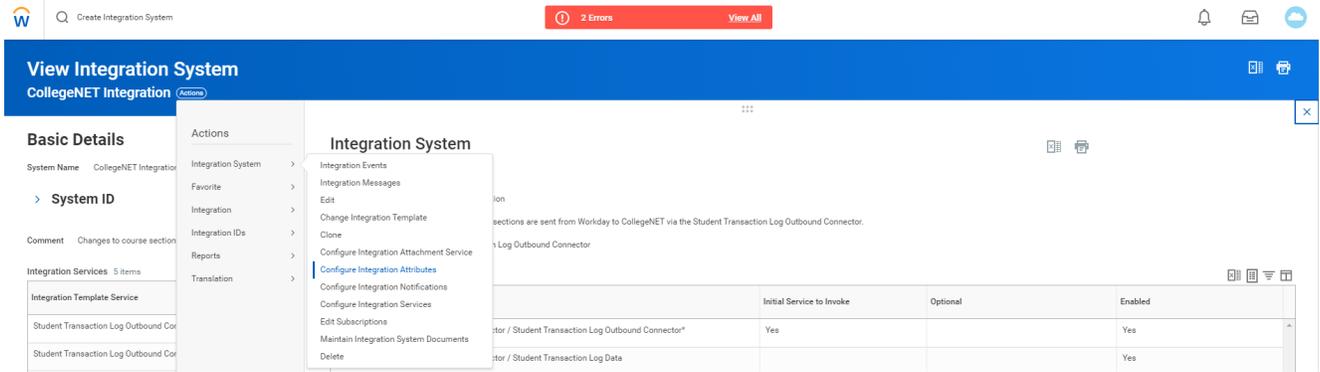


4) At this point you will receive some errors. Follow the steps below to resolve them.



Configure Integration Attributes

1) To resolve the first error, go to *Actions > Integration System > Configure Integration Attributes*.



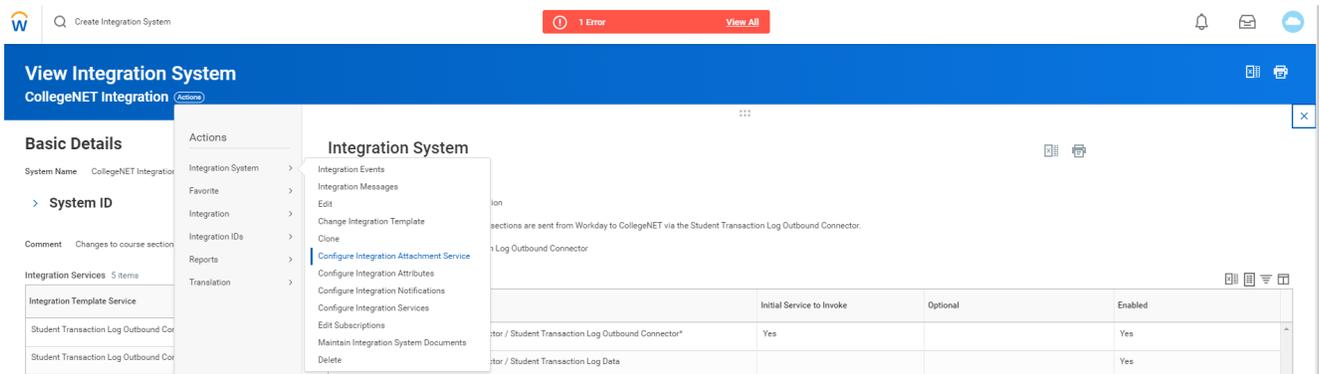
2) Enable *De-Duplicate Transaction Targets*, select *Student Records* for the *Workday Web Service* attribute value, and select *v39.0* for the *Workday Web Service Version* attribute value.

Integration Attributes
3 items

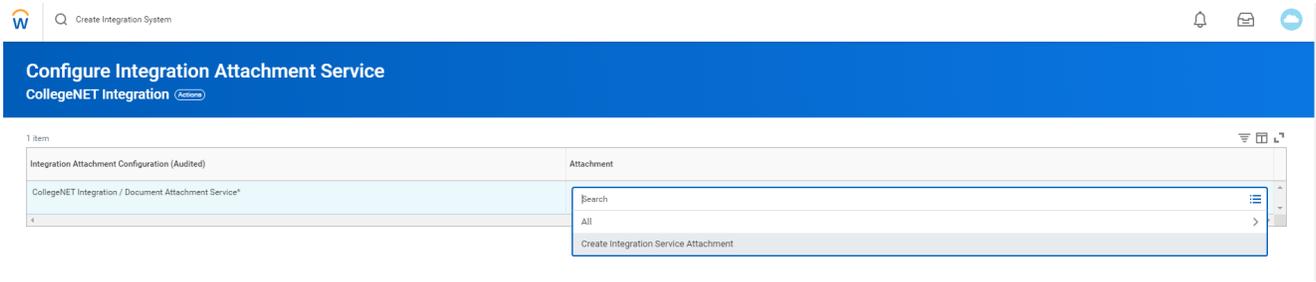
Attribute Provider	Attribute	Description	Options	Override Default Values	Attribute Value(s)	
					Value	Restricted to Environment
Student Transaction Log Outbound Connector	De-Duplicate Transaction Targets	If set to true, the integration will remove duplicate Transaction Targets from the output file.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Web Service Task for Transaction Log	Workday Web Service	Specify the Workday Web Service to retrieve additional information about the Transaction Targets within the Transaction Log. Configuration of Document Attachment (XSLT) is also required.	Required for Launch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X Student Records ...
	Workday Web Service Version	Specify the Workday Web Service version for the Web Service Task request.	Required for Launch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X v39.0 ...
	Output Document Tags	Tag(s) that will be associated for the output document produced by the Web Service Task for Transaction Log Service. These tags can be used by the Delivery Service to determine which document on the Integration Event to send to a particular endpoint.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Integration Document Retention	Document Retention Policy	Specify the duration (in days) that integration output should be available for viewing.	Required for Launch	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X 90 ...

Configure Integration Attachment Service

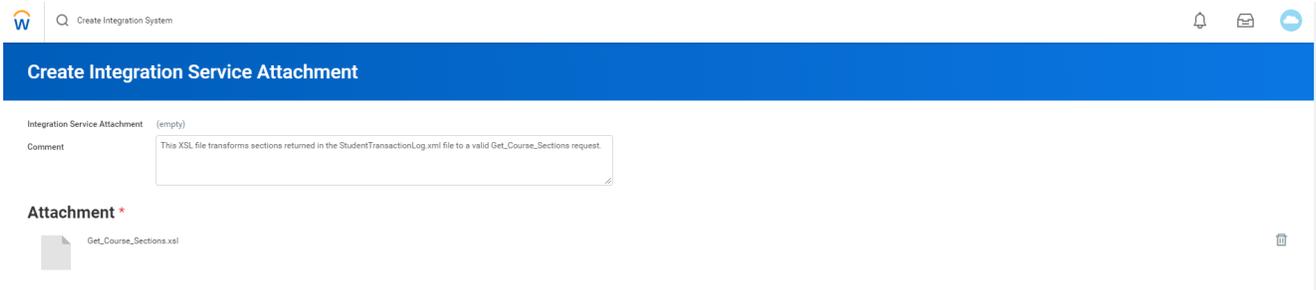
1) To resolve the second error, go to *Actions > Integration System > Configure Integration Attachment Service*.



2) Create a new Integration Service Attachment.

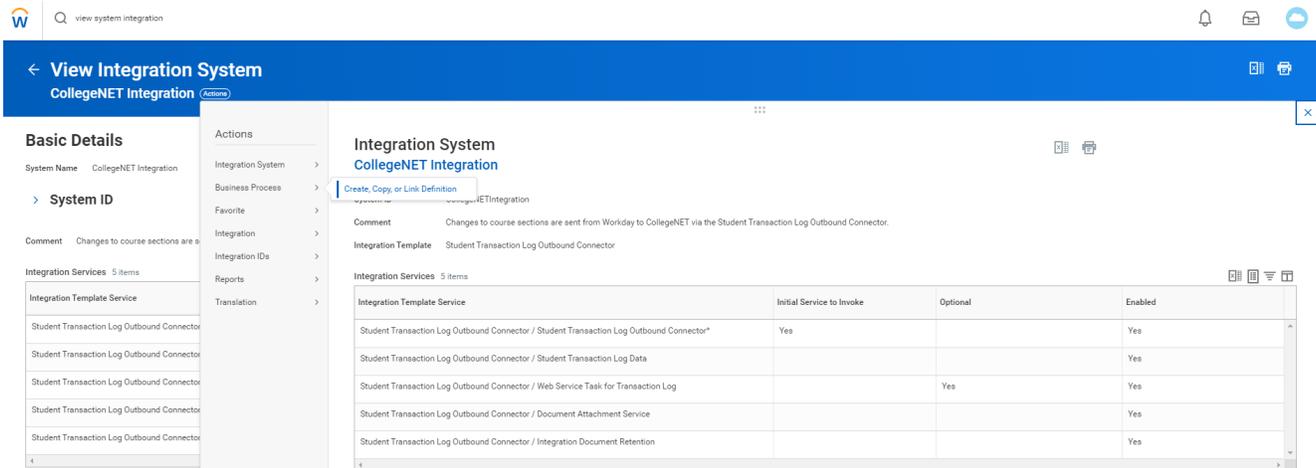


3) Upload an XSLT file that will transform the *StudentTransactionLog.xml* file to a valid *Get_Course_Sections* request. Attached is a sample file: [Get_Course_Sections.xsl](#)



Configure Document Delivery Service

To set up a document delivery service, create a new business process under *Actions > Business Process > Create, Copy, or Link Definition*.



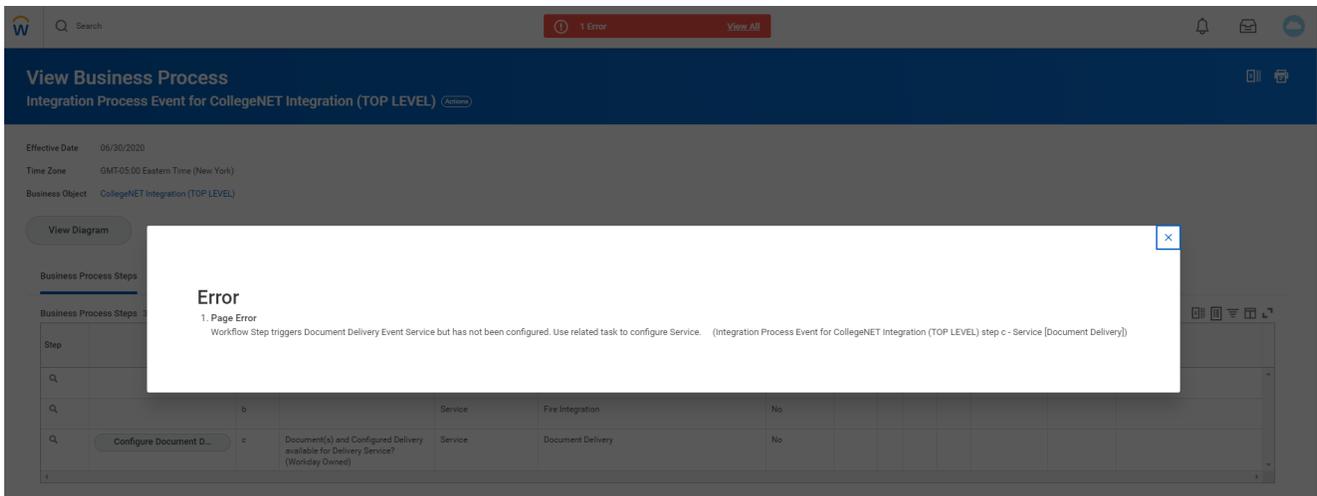
2) Click OK to accept the defaults, but make sure the time zone is correct.

3) Add a business process step with the following information:

- **Order:** c
- **Type:** Service
- **Specify:** Document Delivery

Step	*Order	Parallel Step Inbox Order	Notes	*Type	Specify	Optional	Group	All	Run As Usr
+	c			Service	X Document Delivery	<input type="checkbox"/>		<input type="checkbox"/>	
+	a					<input type="checkbox"/>		<input type="checkbox"/>	
+	b			Service	X Fire Integration	<input type="checkbox"/>		<input type="checkbox"/>	

4) At this point you will get another error because you need to configure document delivery.



5) Click *Configure Document Delivery*. You will need to enter the following:

- **Document(s):** From this Integration
- **Delivery Settings:** Define Transport Explicitly
- **Transport Type:** HTTP/SSL
- **HTTP Address:** `https://lynx.collegenet.com/lynx-ws/sis/data/INSTANCE/run/history.xml?cmd=notifications&type_name=Transaction_Logs` (**NOTE:** Enter the correct instance name in the URL.)
- **Web Service Invocation Type:** Basic Auth
- **User Id:** Enter a LYNX username provided by CollegeNET Support
- **New Password/Verify Password:** Enter the password for the LYNX username

Event Service Document Delivery
Effective Date 06/30/2020

Document(s)

From this Integration Process
 Derived Using

Document Filter(s)

Tagged

Delivery Settings

Delivery Attempts

Existing Transport from

Derive Transport using

Define Transport Explicitly

Transport

Transport Type

HTTP Address

Web Service Invocation Type Basic Auth
 No Security
 WS-Security User Id/Password

User Id

New Password

Verify Password

Schedule the Integration

1) To schedule the integration, go to *Actions > Integration > Launch / Schedule*.

View Integration System
CollegeNET Integration

Basic Details

- System Name: CollegeNET Integ
- System ID**
- Comment: Changes to course se Connector.
- Workday Account: ISU_CollegeN
- Integration Services: 5 items

Integration System
CollegeNET Integration

System ID: CollegeNETIntegration
Changes to course sections are sent from Workday to CollegeNET via the Student Transaction Log Outbound Connector.

Integration Template: Student Transaction Log Outbound Connector

Integration Services: 5 items

Integration Template Service	Initial Service to Invoke	Optional	Enabled
Student Transaction Log Outbound Connector / Student Transaction Log Outbound Connector*	Yes		Yes
Student Transaction Log Outbound Connector / Student Transaction Log Data			Yes
Student Transaction Log Outbound Connector / Web Service Task for Transaction Log		Yes	Yes
Student Transaction Log Outbound Connector / Document Attachment Service			Yes
Student Transaction Log Outbound Connector / Integration Document Retention			Yes

2) Select a *Run Frequency*.

Launch / Schedule Integration

Integration * CollegeNET Integration ...

Organization

Run Frequency * Minute Recurrence

3) Enter the *Integration Criteria*.

Integration Criteria Schedule

Integration Criteria: 1 item

Provider	Field	Value Type	Value
Student Transaction Log Data	Entry Moment From	Determine Value at Runtime	As Of Entry DateTime of Last Completed Integration Event
	Entry Moment To	Determine Value at Runtime	Current Moment (DateTime)
	Effective Moment From	Specify Value	
	Effective Moment To	Specify Value	
	Transaction Types	Specify Value	Cancel Course Section ... Create Course Section ... Edit Course Section ... Edit Published Course Section ... Publish Course Section ...

Concurrent Integration Scheduling

When there are in progress integration events triggered by this schedule, allow this schedule to trigger a new integration event

Except when the integration event has all the same:

- Entry Moment From
- Entry Moment To

4) Enter the *Integration Schedule*. You are required to enter an *End Date*, so will need to adjust that accordingly as the year progresses. Please note that LYNX can try to initiate an update every 5 minutes.

Request Name

Static Text

 Dynamic using

Integration System **CollegeNET Integration**

Run Frequency **Minute Recurrence**

Integration Criteria **Schedule**

Priority **Normal**

Minute Recurrence Criteria

Recurrence Interval *

 Start Time *

 Time Zone *

 Catch Up Behavior *

Range of Recurrence

Start Date *

 End Date *

5) Review the summary of the scheduled process.

View Scheduled Future Process 📄 🖨️

CollegeNET Integration Actions

Process **CollegeNET Integration**

Request Info

Request Name **CollegeNET Integration**

Run Frequency **Minute Recurrence**

Status **Active**

Integration Criteria **Schedule** Additional Info

Integration Criteria **5 Items**

Provider	Field	Value Type	Value
Student Transaction Log Data	Entry Moment From	Determine Value at Runtime	As Of Entry DateTime of Last Completed Integration Event
	Entry Moment To	Determine Value at Runtime	Current Moment (DateTime)
	Effective Moment From	Specify Value	
	Effective Moment To	Specify Value	
	Transaction Types	Specify Value	Cancel Course Section Create Course Section Edit Course Section Edit Published Course Section Publish Course Section