# Creating the Student Transaction Log Outbound Connector in Workday

- Configure Workday Credentials in LYNX
- Configuring the Integration System User for Workday
- Creating the Student Transaction Log Outbound Connector in Workday
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- LYNX for Workday Assessments/Exam Import/Export

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?

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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.

	ch Results			
Categorie	15			
C		Search Results 1 items		
Common	1	Tasks and Reports		
Assets	oets	Create Integration System		
Banking				
Expenses	5	Tip: try selecting another category from the left to see other results		
Integratio	ons			
Learning				
Organiza	ations			

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

Q Create Integration System			¢	ß	0
Create Integration System					
System Name * CollegeNET Integration					
> System ID					
Comment Changes to Course Sections are sent from Workday to CollegeNET via the Student Transaction Log Outbound Connector.					
Integration Tage					
> Contacts					
Template New using Template * X Student Transaction Log Outbound Connector					
3) Enable all services.					
Q Create Integration System			Ĺ	) 🖻	0
Configure Integration Services CollegeNET Integration					
Integration Template Student Transaction Log Outbound Connector					
Enable All Services					
Integration Services 5 items				Ŧ	∃. <sup>-</sup>
Integration Template Service	Initial Service to Invoke	Optional	Enabled		*
Student meneration Log Outbound Connector / Student meneration Log SUBDURD CollineCDF					
Student Transaction Log Outbound Connector / Web Service Task for Transaction Log					
Student Transaction I on Dubound Connector / Document Attachment Service					
Student Transaction Lon Dubound Consector / Intervision Document Retainion					
outors rendered by outors of outors of other ( ) integration obtainers neterition					

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

ŵ	Q Create Integration System	() 2 Errors	View All	Д.	8
	ew Integration System legeNET Integration Com				
Ba	sic Details		Template		
Syste	m Name CollegeNET Integration		Integration Template Student Transaction Log Outbound Connector		
Con Inte Int St. St. St.	Errors 1. Page Error The are integration Attributes enabled for this integration System that are marked as "Required for Launch". Attributes: Web Service Task for Transaction Log / Workday Web Service Web Service Task for Transaction Log / Workday Web Service Version (CollegeNET Integration) 2. Page Error This integration system uses a document attachment service which is not fully configured. Before initiating th	, but do not have a Value as: his event you need to configu	signed to them. Please use the Related Menu Item (Integration System > Configure Integration Attributes) to com we the attachment service using the related menu item Integration System > Configure Integration Attachment Se	viete the configuration.	n)

# **Configure Integration Attributes**

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

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ŵ	Q Create Integration System				2 Errors <u>View A</u>				¢	Ð	0
Vi	ew Integration S										8
Ba	asic Details	Actions		Integration System							×
Syst	em Name CollegeNET Integration	Integration System	><	Integration Events Integration Messages							
>	System ID	Integration	\$	Edit Change Integration Template	ion	ion Los Outbound Connector					
Con	ment Changes to course section	Integration IDs	>	Clone Configure Integration Attachment Service	1 Log Outbound Connector	on cog outdound connector.					
Inte	gration Services 5 items	Translation	>	Configure Integration Attributes					X	1 11 =	
Int	egration Template Service			Configure Integration Services		Initial Service to Invoke	Optional	Enabled			
St	udent Transaction Log Outbound Cor			Edit Subscriptions Maintain Integration System Documents	tor / Student Transaction Log Outbound Connector*	Yes		Yes			^
St	udent Transaction Log Outbound Cor			Delete	tor / Student Transaction Log Data			Yes			

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.

Integ 3 items	ration Attributes							"" "
	Attribute Provider						Attribute Valu	e(s)
		Attribute	Description	Options	Override Default Values		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.			(+)		
	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		(+)		
							$\times$ Student Records $\cdots$ :=	:=
		Workday Web Service Version	Specify the Workday Web Service version for the Web Service Task request.	Required for Launch		(+)		
							× 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.			(+)		
	Integration Document Retention							
		Document Retention Policy	Specify the duration (in days) that integration output should be available for viewing.	Required for Launch				
							× 90 ··· i=	

## **Configure Integration Attachment Service**

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

ŵ	Q Create Integration System				1 Error View A	u l			¢	£	0
Vi Co	iew Integration S ollegeNET Integration	System								XII	<b>a</b>
Ba	asic Details	Actions		Integration System							Ĺ
Syst	tem Name CollegeNET Integration	Integration System	$\rightarrow$	Integration Events							
> Con	System ID	Favorite Integration Integration IDs	> > >	Integration Messages Edit Change Integration Template Clone	Ion sections are sent from Workday to CollegeNET via the Student Transact	ion Log Outbound Connector.					
Inte	gration Services 5 items	Reports	>	Configure Integration Attachment Service Configure Integration Attributes	h Log Outbound Connector						- E
Int	egration Template Service	Translation	>	Configure Integration Notifications Configure Integration Services		Initial Service to Invoke	Optional	Enabled		10 <u>10</u> -	
St	udent Transaction Log Outbound Cor			Edit Subscriptions Maintain Integration System Documents	tor / Student Transaction Log Outbound Connector*	Yes		Yes			*
St	udent Transaction Log Outbound Cor			Delete	tor / Student Transaction Log Data			Yes			

2) Create a new Integration Service Attachment.

C Create Integration System		¢	Ð	0
Configure Integration Attachment Service CollegeNET Integration (Compared Service)				
1 item			Ē	j
Integration Attachment Configuration (Audited)	Attachment			
CollegeNET Integration / Document Attachment Service*	ßearch		:=	
(	All		>	-
	Create 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 @

ŵ	Q Create Integration S	ystem	¢	Ð	0
C	eate Integra	tion Service Attachment			
Inter	gration Service Attachment	(empty)			
Con	ment	This XSL file transforms sections returned in the StudentTransactionLog.uml file to a valid Get_Course_Sections request.			
At	tachment *				
	Get_Course_Sect	ons.sal			

# **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.* 

ŵ	Q view system integration							Û	Ð	0
÷		System								9
Ba Sys	asic Details tem Name CollegeNET Integration System ID	Actions Integration System	, , , , , , , , , , ,	Integration System CollegeNET Integration ester, Copy or Link Definition		81 🖶				×
Con	nment Changes to course sections are s gration Services 5 items	Favorite Integration Integration IDs Reports	> > >	Comment Changes to course sections are sent from Workday to CollegeNET via the Student Transa Integration Template Student Transaction Log Outbound Connector	action Log Outbound Connector.			XIII	II =	1
Int St St	egration Template Service udent Transaction Log Outbound Connector udent Transaction Log Outbound Connector	Translation :	>	Integration Template Service Student Transaction Log Outbound Connector / Student Transaction Log Outbound Connector* Student Transaction Log Outbound Connector / Student Transaction Log Data	Initial Service to Invoke Yes	Optional	Enabled Yes Yes			*
St St	udent Transaction Log Outbound Connector udent Transaction Log Outbound Connector udent Transaction Log Outbound Connector			Student Transaction Log Outbound Connector / Web Service Task for Transaction Log Student Transaction Log Outbound Connector / Document Attachment Service Student Transaction Log Outbound Connector / Ideaction Connector Service		Yes	Yes Yes			
4										w

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

ŵ	Q Search					¢	Ð	0
Cr	eate, C	opy, or Link Business Pro	ocess Definition					
Effect	tive Date * 0	/ 30 / 2020 💼						
Bu	siness F	vork)						
Busin	ess Object							
Integr	ation System ★	CollegeNET Integration						
Busin	ess Process Typ	* Integration Process Event						
		Copy existing Definition	:=					
		Link existing Definition	:=					
		<ul> <li>None of the above</li> </ul>						
	ок	Cancel						

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

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

Edit Business Process Integration Process Event for CollegeNET Integration (TOP LEVEL)												
stive Date		06/30/2020										
Zone		GMT-05:00 Eastern	MT0500 Eastern Time (New York)									
ness Objec	t	CollegeNET Integr	CollegeNET Integration (TOP LEVEL)									
19												
ae Date 0												
Date Is Bas View Dia	sed On Effect	tive Date										
Date Is Bas View Dia Business P Business P	agram Process Step	ps Notifications	Allowed Actions by Rol	e Allowed Services	Related Links Availab	ble Rules & Fields						
Date Is Bas View Dia Business P Gusiness P	agram Process Step Step	ps Notifications ps 3 items "Order	Allowed Actions by Rol	e Allowed Services	Related Links Availab	ble Rules & Fields *Type		Specify	Optional	Group	All	Run As Use
Date Is Bas View Dia Business P (+)	agram Process Step Step	ps Notifications ps 3 Items C  C	Allowed Actions by Rol Paralle	e Allowed Services	Related Links Availat	Type	Ţ	Specify           × Document Delivery         :=	Optional	Group	All	Run As Use
Date Is Bas View Dia Business P (+) (-)	agram Process Step Step Q	ps Notifications ps 3 items  Corder  Corder  C  Order  O	Allowed Actions by Rol Paralle	e Allowed Services	Related Links Availat	Pields     Fields     Type     Service	•	Specify           × Document Delivery         :=	Optional	вгоир	Al	Run As Use

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

ŵ	Q Search			() 1 Error	<u>View All</u>			¢	e	0
Vi	ew Business Process egration Process Event for College									
Effec Time Busin	tive Date 06/30/2020 Zone GMT-05:00 Eastern Time (New York) ness Object CollegeNET Integration (TOP LEVEL) View Diagram									
E	Austiness Process Steps Austiness Process Steps Step Q	r Tiep triggers Document Delivery Event Service	but has not been configu	ed. Use related task to configure Service.	(Integration Process Event for Colli	egeNET Integration (TOP LEVEL)	step c - Service [Document Delivery])		₹ 🖬 L°	
	Q     b       Q     Configure Document D c	Document(s) and Configured Delivery	Service Service	Fire Integration Document Delivery	No					
		available for Delivery Service? (Workday Owned)								

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)	Document Filter(s)
From this Integration Process	Tagged :=
O Derived Using ∷≡	
Delivery Stettings Delivery Attempts * 💌 3 📰 Existing Transport from 📰	
O Derive Transport using	
O Define Transport Explicitly	
Transport Transport Type * HITP/SSL *	
HTTP Address * Intps://ym-test.collegenet.com/lym-w Web Service Invocation Type * Salic Auth No Security WS-Security User Id/Password	
User Id	
Verify Password *	

### Schedule the Integration

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

Q collegenet			×			88	¢	Ð	0
View Integration S								×	7
Basic Details System Name CollegeNET Integ	Actions Integration System	>	Integration System CollegeNET Integration						×
> System ID	Business Process Favorite	>	System ID CollegeNETIntegration						
Comment Changes to course se Connector.	Integration Integration IDs Reports	> > >	Launch / Schedule         Changes to course sections are sent from Workday to College           Integration Template         Student Transaction Log Outbound Connector	geNET via the Student Transaction I	.og Outbound Connector.				
Workday Account ISU_CollegeN	Translation Workday Account	> >	Integration Services 5 items Integration Template Service	Initial Service to Invoke	Optional	Enabled	×	I II Ŧ	
Integration Services 5 items			Student Transaction Log Outbound Connector / Student Transaction Log Outbound Connector*	Yes		Yes			*
Student Transaction Log Outbound Cor			Student Transaction Log Outbound Connector / Student Transaction Log Data Student Transaction Log Outbound Connector / Web Service Task for Transaction Log		Yes	Yes			
Student Transaction Log Outbound Cor			Student Transaction Log Outbound Connector / Document Attachment Service			Yes			
Student Transaction Log Outbound Cor Student Transaction Log Outbound Cor			Student Transaction Log Outbound Connector / Integration Document Retention			Yes			

#### 2) Select a Run Frequency.

ŵ	Q collegenet	×	Û	Ð	0
La	aunch / Schedule Integration				
Inte	egration * × CollegeNET Integration ··· :=				
Org	anization				
Ru	Frequency * X Minute Recurrence				

#### 3) Enter the Integration Criteria.

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	▼ X Cancel Course Section …
			× Create Course Section …
			× Edit Course Section …
			$ imes$ Edit Published Course Section $\ \cdots$
			$ imes$ Publish Course Section $\cdots$

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.

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Except when the integration event has all the same:

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:=

× Entry Moment From

× Entry Moment To

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Request Name						
O Static Text	Colleg	JeNET Integration				
<ul> <li>Dynamic using</li> </ul>			:=			
Integration System	Colleg	geNET Integration				
Run Frequency	Minut	e Recurrence				
Integration Criteria	s	ichedule				
Priority × No	rmal	:=				
Minute Recu	rrend	ce Criteria				
Recurrence Interv	il *	× Every 5 minutes	:=			
Start Time	*	× 2:00 PM	:=			
Time Zone	*	× GMT-08:00 Pacific Time (Los Angeles)	:=			
Catch Up Behavior	*	× None	:=			
Range of Red	urre	nce				
Start Date * 08/	10/202	20 💼				
End Date * 12/	End Date * 12/31/2020 💼					

5) Review the summary of the scheduled process.

View Scheduled Future Process CollegeNET Integration (accom)			01 f
Process CollegeNET Integration			
Request Info			
Request Name CollegeNET Integration			
Run Frequency Minute Recurrence			
Status Active			
Integration Criteria Schedule Additional Info			
Integration Criteria 5 items			XII II .'
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 Ocurse Section Edit Published Course Section Publish Course Section
4			