



Guide

Processing Batch Job Summary Guide for ADP Lyric HCM

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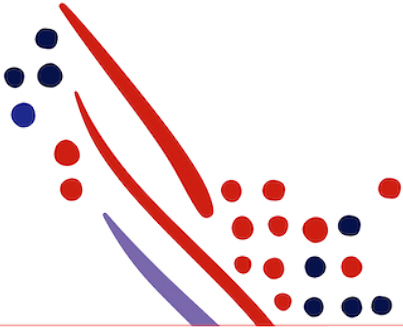


Table of Contents

Chapter 1

Overview

Process Flow - High Level

Chapter 2

Worker Management Processing Jobs

Overview

Application Scope

Processing Jobs Summary Response:

Chapter 3

Worker Payroll Management Jobs

Overview

Application Scope

Processing Jobs Summary Response

Batch Pay Data Input Error Handling

Chapter 4

Worker Benefits Processing Jobs

Overview

Application Scope

Processing Jobs Summary Response:

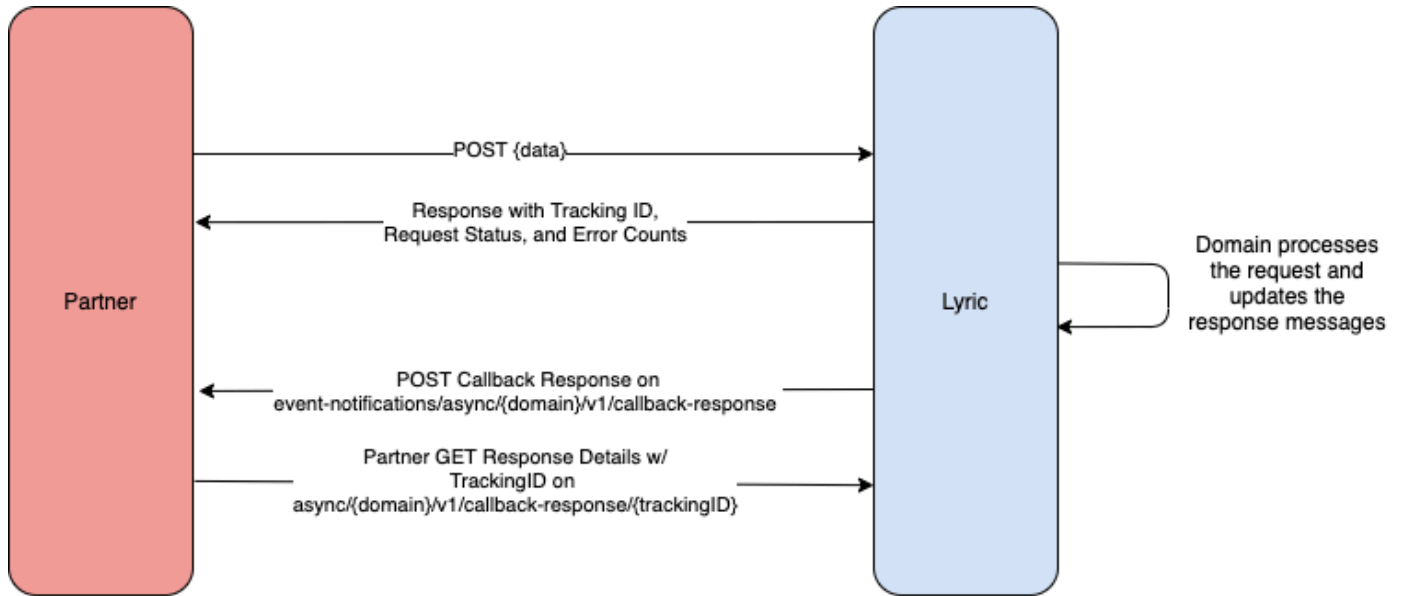
Chapter 1

Overview

Greater ADP enforces that the API response time is within RANGE (API Proxy Default Timeout is 10 seconds, for Marketplace consumer experience, API response time is expected to be within 5 seconds). To enable that ADP Lyric HCM has put together the following design to help APIs adhere to the 5 seconds response time limitation. This framework enables APIs to respond to Partners with a request tracking ID within split seconds. And, subsequently post callback response to the partners and maintain the data store for the callback responses.

Process Flow - High Level

The following process flow represents simplified interaction between Partner/Vendor and ADP Lyric HCM.



Chapter 2

Worker Management Processing Jobs

Overview

APIs to retrieve the processing status of an applicant onboarding or other worker management batch job.

Type	API	Description
GET	/hr/v1/worker-management/processing-jobs/{job-id}/summary	Request processing job / batch job summary based on the job ID. The job-id maps to the message-id in the batch response.
POST	/event-notifications/hr/v1/worker-management/processing-job.summary.change	Event notification posted to report processing job / batch job status / summary

Application Scope

The canonical URI corresponding to the Jobs Processing API for Worker Management needs to be added in the Consumer Application Registry (CAR) for the subscription following which a user can access this API and make successful API calls.

The following canonical needs to be added to your application scope to enable this use case:

/hcm/workerInformationManagement/workerManagement/processingJobManagement/processingJob.summary.read

Processing Jobs Summary Response:

Schema Field	Details
processingStatus	<p>Status of the process triggered by the API response. The value is initially set to "received" for initial response and updates as the process progresses.</p> <ul style="list-style-type: none"> • "received" <ul style="list-style-type: none"> ◦ Initial acknowledgement when the process is triggered. • "validated" <ul style="list-style-type: none"> ◦ Initial validation is complete • "started" <ul style="list-style-type: none"> ◦ Process started • "in-progress" <ul style="list-style-type: none"> ◦ Process in progress • "waiting-practitioner-action" <ul style="list-style-type: none"> ◦ Process completed. This status is relevant in scenarios when action or approval is needed by an HR practitioner for a workflow. • "completed" <ul style="list-style-type: none"> ◦ Process is completed.
requestStatus	<p>Overall status of the API call. Initially blank.</p> <ul style="list-style-type: none"> • "success": <ul style="list-style-type: none"> ◦ When the Process is completed successfully ◦ E.g. New Hire successfully processed • "partial success" <ul style="list-style-type: none"> ◦ When the Process is completed with partial success. ◦ If the number of records successfully processed is more than 50%, then the status is partial success ◦ E.g. New Hire successfully written to staging via Applicant Onboarding API with one or more error. If partner sends 10 records and 8 pass & 2 fail, then the status will be "partial success". • "partial failure" <ul style="list-style-type: none"> ◦ When the Process is completed with partial failure. ◦ If the number of records failing is more than 50%, then the status is partial failure. ◦ E.g. New Hire successfully written to staging via Applicant Onboarding API with one or more error. If partner sends 10 records and 2 pass & 8 fail, then the status will be "partial failure". • "failure" <ul style="list-style-type: none"> ◦ When the Process is completed with partial failure. ◦ E.g. New Hire successfully written to staging via Applicant Onboarding API errors out
messageID	An identifier of the confirm message instance
applicationID	Set to "LIFION"
requestID	A process identifier if one is available, like a batch ID

Schema Field	Details
messageDateTime	The time that the message was received.
meta/completedIndicator	True/false, indicates whether the processing was complete
messages/messageCode	The numerical code for the message
messages/messageTypeCode	The type of message received (ie. 'error')
messages/messageText	The message content
messages/resourceID	An identifier for a resource in the request
processingJobID	Unique identifier of the batch job (UUID)
submittedDateTime	When the request was received
processingCounts/errorCount	Count of elements that failed to process
processingCounts/successCount	Count of elements that processed successfully

Scenarios In ADP Lyric HCM	Values in sample Response
RecordStatus == Failed Error Count > 0	Request Status = Failed Processing Status = Completed
RecordStatus == Completed Error Count = 0	Request Status = Success Processing Status = Completed
RecordStatus == Completed Error Count > 0	Request Status = Partial Success Processing Status = Completed
RecordStatus == Validated Error Count > 0	Request Status = Null Processing Status = In Progress

Scenarios In ADP Lyric HCM	Values in sample Response
Record Status != Completed Error Count = 0	Request Status = Null Processing Status = In Progress
Record Status != Completed or Validated Error Count > 0	Request Status = Failed Processing Status = Completed
Record == Staged, Ready to be Processed Error Count = 0	Request Status = Failed Processing Status = Waiting Practitioner Action

Chapter 3

Worker Payroll Management Jobs

Overview

APIs to retrieve the processing status of a worker payroll management batch job.

Type	API	Description
GET	/payroll/v1/worker-payroll-management/processing-jobs/{job-id}/summary	Request processing job / batch job summary based on the job ID. The job-id maps to the message id in the batch response.
POST	/event-notifications/payroll/v1/worker-payroll-management/processing-job.summary.change	Event notification posted to report processing job / batch job status / summary

Application Scope

The canonical URI corresponding to the Jobs Processing API for Payroll Management needs to be added in the Consumer Application Registry (CAR) for the subscription following which a user can access this API and make successful API calls.

The following canonical needs to be added to your application scope to enable this use case:

/hcm/workerInformationManagement/workerManagement/processingJobManagement/processingJob.summary.read

Processing Jobs Summary Response

Schema Field	Details
messageID	An identifier of the confirm message instance
requestStatus	Overall status of the API call. Initially blank <ul style="list-style-type: none"> • "success": <ul style="list-style-type: none"> ○ When the Process is completed successfully ○ E.g. New Hire successfully processed

Schema Field	Details
	<ul style="list-style-type: none"> • "partial success" <ul style="list-style-type: none"> ○ When the Process is completed with partial success. ○ If the number of records successfully processed is more than 50%, then the status is partial success ○ E.g. New Hire successfully written to staging via Applicant Onboarding API with one or more error. If partner sends 10 records and 8 pass & 2 fail, then the status will be "partial success". • "partial failure" <ul style="list-style-type: none"> ○ When the Process is completed with partial failure. ○ If the number of records failing is more than 50%, then the status is partial failure. ○ E.g. New Hire successfully written to staging via Applicant Onboarding API with one or more error. If partner sends 10 records and 2 pass & 8 fail, then the status will be "partial failure". • "failure" <ul style="list-style-type: none"> ○ When the Process is completed with partial failure. ○ E.g. New Hire successfully written to staging via Applicant Onboarding API errors out
processingStatus	<p>Status of the process triggered by the API response. The value is set to "received" for initial response and updates as the process progresses.</p> <ul style="list-style-type: none"> • "received" <ul style="list-style-type: none"> ○ Initial acknowledgement when the process is triggered. • "validated" <ul style="list-style-type: none"> ○ Initial validation is complete • "started" <ul style="list-style-type: none"> ○ Process started • "in-progress" <ul style="list-style-type: none"> ○ Process in progress • "waiting-practitioner-action" <ul style="list-style-type: none"> ○ Process completed. This status is relevant in scenarios when action or approval is needed by an HR practitioner for a workflow. • "completed" <ul style="list-style-type: none"> ○ Process is completed.
meta/startSequence	The instance resource sequence (number) identifying the first resource returned in the response. The server generates this sequence. It is used by the client to determine the start sequence of the subsequent Get request
meta/number	Number of instance resources in the response
meta/totalNumber	Number of total instance resources in an instance resource set. Note: An instance resource set is a set of instance resources that is determined by a server to satisfy the sets membership criteria (i.e., selection, filter, expansion and search criteria) of a resource management operation (e.g. GET request) upon a collection resource
meta/completionIndicator	True/false, indicates whether the processing was complete
meta/resourceSetID	Unique identifier of the instance resource set. It is generated by the server as a result of the original Get request
processingJobID	UUID. Unique identifier of the batch job
submittedDateTime	When the actual request was received
totalItemCount	Count of items in the batch

Schema Field	Details
processingCount/errorCount	Count of elements that failed to process
processingCount/successCount	Count of elements that processed successfully
applicationID	Set to "Lifion"
messageDateTime	The time the message was received
requestID	A process identifier if one is available, like a batch ID
messages/messageCode	The numerical code for the message
messages/messageTypeCode	The type of message received (ie. 'error')
messages/messageText	The message content
messages/resourceID	An identifier for a resource in the request. *Note: For batch pay data input jobs, the resourceID will act as an identifier for records that contain errors. The resourceID will be in the format "{AssociateOID}/{ImportType}/{Code}". More details at the end of this chapter.
messages/requestStatus	The process results status code for the request. The supported values are: success, partial-success, partial-failure, failure

Scenarios in ADP Lyric HCM	Values in Sample Response
Record Status == Failed Error Count > 0	Request Status = Failed Processing Status = Completed
Record Status == Completed Error Count = 0	Request Status = Success Processing Status = Completed
Record Status == Completed Error Count > 0	Request Status = Partial Success Processing Status = Completed
Record Status == Validated	Request Status = Null

Scenarios in ADP Lyric HCM	Values in Sample Response
Error Count > 0	Processing Status = In Progress
Record Status != Completed Error Count = 0	Request Status = Null Processing Status = In Progress
Record Status != Completed or Validated Error Count > 0	Request Status = Failed Processing Status = Completed
Record == Staged, Ready to be Processed Error Count = 0	Request Status = Failed Processing Status = Waiting Practitioner Action

Batch Pay Data Input Error Handling

If a pay data batch includes entries that have errors, ADP Lyric provides detailed error identification along with guidance for corrective action. Each error record has a resourceID field which will return the associate ID, import type (such as deduction, earning, etc), and the code (i.e. deduction code, earning code). The resourceID will follow the format "**{AssociateOID}/{ImportType}/{code}**." This will provide users the information they need to identify which item in the batch contains the error.

This information is returned in the Job Processing Summary API response, along with an error message describing the issue so that corrective action can be taken (for example, "Start Date is Empty"). This feature enables users to quickly trace the error to a specific associate and data element, and take appropriate actions to amend the issue.

Chapter 4

Worker Benefits Processing Jobs

Overview

APIs to retrieve the processing status of a worker benefits management batch job.

Type	API	Description
GET	/benefits/v1/worker-benefits-management/processing-jobs/{job-id}/summary	Request processing job / batch job summary based on the job ID. The job-id maps to the message id in the batch response.
POST	/event-notifications/benefits/v1/worker-benefits-management/processing-job.summary.change	Event notification posted to report processing job / batch job status / summary

Application Scope

The canonical URI corresponding to the Jobs Processing API for Payroll Management needs to be added in the Consumer Application Registry (CAR) for the subscription following which a user can access this API and make successful API calls.

The following canonical needs to be added to your application scope to enable this use case:

/benefits/benefitsManagement/benefitsManagement/processingJobManagement/processingJob.summary.read

Processing Jobs Summary Response:

Schema Field	Details
processingStatus	<p>Status of the process triggered by the API response. The value is set to "received" for initial response and updates as the process progresses.</p> <ul style="list-style-type: none"> • "received" <ul style="list-style-type: none"> ◦ Initial acknowledgement when the process is triggered. • "validated" <ul style="list-style-type: none"> ◦ Initial validation is complete • "started" <ul style="list-style-type: none"> ◦ Process started • "in-progress" <ul style="list-style-type: none"> ◦ Process in progress • "waiting-practitioner-action" <ul style="list-style-type: none"> ◦ Process completed. This status is relevant in scenarios when action or approval is needed by an HR practitioner for a workflow. • "completed" <ul style="list-style-type: none"> ◦ Process is completed.
messageID	An identifier of the confirm message instance
applicationID	Set to "LIFION"
requestID	A process identifier if one is available, like a batch ID
submittedDateTime	When the request was received

Scenarios in ADP Lyric	Values in Sample Response
Record Status == Failed Error Count > 0	Processing Status = Completed
Record Status == Completed Error Count = 0	Processing Status = Completed
Record Status == Completed Error Count > 0	Processing Status = Completed
Record Status == Validated Error Count > 0	Processing Status = In Progress
Record Status != Completed Error Count = 0	Processing Status = In Progress

Scenarios in ADP Lyric	Values in Sample Response
Record Status != Completed or Validated Error Count > 0	Processing Status = Completed
Record == Staged, Ready to be Processed Error Count = 0	Processing Status = Waiting Practitioner Action