



Guide

Pay Distributions API Guide for ADP Lyric

Published on
Sep 22, 2025, 01:50 PM

Last modified
Oct 08, 2025, 03:44 AM





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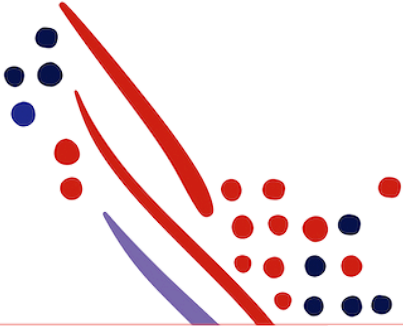


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Viewing/ Updating Direct Deposit Details in ADP Lyric

Chapter 1: About these APIs

Summary

The Pay Distributions APIs can be used to change how a worker's pay is distributed, retrieve a single distribution or list all distributions, or to obtain API metadata. Pay distributions (direct deposit configuration) determine how a worker's pay is divided (e.g. 50% to savings, 25% to checking, \$100 on a paycard, and the remainder in check).

Supported Product Version and Customer Base

The Pay Distributions APIs are available for ADP Lyric clients with the Payroll features.

API Usage

Method	Uniform Resource Identifier (URI)	Description	Canonical URI
GET	/payroll/v2/workers/{aoid}/pay-distributions	Request all available pay distributions for a worker	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.read
GET	/payroll/v2/workers/{aoid}/pay-distributions/meta	Returns a meta for getting pay distributions for a worker	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.read
POST	/events/payroll/v1/worker.pay-distribution.change	A worker changes how the pay is distributed for a given payroll agreement	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.change
GET	/events/payroll/v1/worker.pay-distribution.change/meta	Returns the pay distribution change event metadata	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.change

Process Overview

Typical B2B Application Integration Flow

#	Actor	Task Description
1	Payroll Practitioner	Sets up Direct Deposit accounts in ADP Lyric.
2	Your Application	Uses the Direct Deposit API to synchronize employee data between ADP Lyric and your application.
3	Payroll Practitioner	In your application, a Payroll Practitioner selects an employee and initiates an action to view Direct Deposits.
4	Your Application	Uses the Direct Deposit API to retrieve Direct Deposit setup data for the selected employee.

#	Actor	Task Description
5	Payroll Practitioner	In your application, a Payroll Practitioner views an employee's Direct Deposit data.
6	Payroll Practitioner	In your application, a Payroll Practitioner updates an employee's Direct Deposit data.
7	Your Application	Uses the Direct Deposit API to replace Direct Deposit setup data for the selected employee.
8	ADP Lyric	Upon successful payroll processing, ADP automatically distributes funds from the employee's pay to their Direct Deposit account per the Direct Deposit configuration.

More about Direct Deposit

Direct deposit allows your pay to be transferred automatically to one or more bank accounts on pay day. The following table lists the different types of Direct Deposit allocations.

Full Deposit	Deposits 100% of your pay to a single account.
Specific Amounts	Deposits a specific dollar amount into each account.
Specific Percentages	Deposits a specific percentage into each account
Specific Amounts/Percents + Remaining Balance	Deposits the specified amounts/percents for each account and deposits the remainder balance of your pay in the account marked Remainder Account .

Note: You cannot do a combination of percentages and discrete amounts for one associate's direct deposit allocation.

About Prenote

When you set up an employee's Direct Deposit information, you choose whether to use prenotes. Prenotes verify the routing information before a live transaction occurs. The prenote period varies by bank. After the initial prenote period, future deposits to that account are made automatically. Using prenotes is recommended when you set up new Direct Deposit accounts, or if you change a routing or account number. If you only change the amounts for accounts you have already set up, prenotes are not necessary.

Prenote validation can be bypassed at the pay group level by editing the settings on the pay group record in Lyric. Go to Manage Payroll Company Data > Pay Groups tab. Then, click the ellipses (...) and select "Edit Settings." On this page, navigate to Prenote Validation and toggle on "Bypass Prenote Validation."

Chapter 2

Chapter 2: Use Case 1 - Retrieving an Employee's Direct Deposit

Use Case Description

Returns the list of all available Direct Deposits the requestor is authorized to view for a given worker. The Direct Deposit API exposes values found in the Associate Profile > Pay Profile > Direct Deposit area of ADP Lyric. You must provide the Associate Organization ID (AOID) of the desired worker in the AOID Uniform Resource Identifier (URI) parameter.

API Usage

For more information refer to [Worker Pay Distributions](#) under API Explorer. The canonical URI corresponding to the API 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.

Method	URI	Description	Canonical URI
GET	/payroll/v2/workers/{a oid}/pay-distributions	Returns the list of all active Deposits (until current effective date) for an employee.	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.read
GET	/payroll/v2/workers/{a oid}/pay-distributions/meta	Returns the meta information	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.read

Supported Actors

Request Parameter roleCode Value	Usage
Practitioner	Retrieves an employee's Direct Deposits as a practitioner. A system user is considered a practitioner.
Employee	Retrieves their own Direct Deposit information as an employee.

Note: Your application will use the Practitioner role

Sequence of Interactions

1. Your consumer application makes a request to the ADP API endpoint to GET Pay Distributions for a worker.
2. The ADP API endpoint responds to your consumer application with single worker Pay Distributions information.

Data Dictionary

The Pay Distribution API manages the data displayed under **Associate Profile > Pay Profile > Direct Deposit**.

Schema Location	Description	Field Name in ADP Lyric
/payDistributions/requestedStartDate	The date when the distribution instruction set will become or became effective. This may not be the same as the first execution date (payroll date).	Effective Date
/payDistributions/distributionInstructions/depositAccount/financialAccount/accountNumber	The unique identifier of the account where the pay amount will be distributed.	Account Number
/payDistributions/distributionInstructions/depositAccount/financialAccount/typeCode/codeValue	The type of account (e.g. checkings, savings). The code for this entity.	Account Type
/payDistributions/distributionInstructions/depositAccount/financialAccount/type	Long description of the related code.	Not Displayed

Schema Location	Description	Field Name in ADP Lyric
Code/longName		
/payDistributions/distributionInstructions/depositAccount/financialParty/nameCode	The name of the financial party to where the pay amount will be distributed.	Bank Transit Number
/payDistributions/distributionInstructions/depositAccount/financialParty/routingTransitID/idValue	Routing number. Used to facilitate automated monetary transfers.	Not Displayed
/payDistributions/distributionInstructions/distributionAmount/amountValue	If the user has chosen to distribute by amount rather than percentage (for example, \$500 rather than 50% of the pay amount), then this field will be populated.	Deposit Amount
/payDistributions/distributionInstructions/distributionAmount/currencyCode	The currency that is used for the pay amount.	Not Displayed
/payDistributions/distributionInstructions/distributionPercentage	If the user has chosen to distribute by percentage, rather than amount (for example, 50% of the pay amount rather than \$500), then this field will be populated.	Deposit Percentage
/payDistributions/distributionInstructions/precedenceCode/codeValue	Indicates the order of precedence for the given distribution, e.g primary, secondary, etc.	Not Displayed
/payDistributions/distributionInstructions/prenoteIndicator	Indicates if the pre-note is required based on the client company setup.	Prenote Required
/payDistributions/distributionInstructions/remainingBalanceIndicator	Remaining balance indicator, to indicate if the entire remainder of the pay amount should be distributed. Only one value, either amount or percentage or remaining balance indicator (true) should be provided.	Remainder Account

Responses

You may encounter exceptions outside your common success scenarios. You must account for these exceptions during your initial development.

For more information, see [API Common Exceptions and Tips for Handling](#).

For more information refer [Worker Pay Distributions](#) under API Explorer.

Response Code	Response Condition	Response payload message	Notes
200 OK	Retrieve the Direct Deposits.		The GET /payroll/v2/workers{aoid}/pay-distributions returns the Direct Deposit information until the current date.
400 Bad Request	Retrieve the Direct Deposits.	<pre>{ "errors": [{ "message": "Bad Request - Invalid or missing AOID", "code": "BAD_REQUEST", }] }</pre>	Invalid AOID provided in the URI path

Response Code	Response Condition	Response payload message	Notes
		<pre>"status": 400, "source": "web-api" }] }</pre>	
401 Unauthorized	Retrieve the Direct Deposits	<pre>{ "errors": [{ "message": "Unauthorized", "code": "UNAUTHORIZED", "status": 401, "source": "web-api" }, { "message": "An Error occurred when trying to create a token for a System Agent AOID, OOID combination", "code": "ERROR_CREATING_AOID_OOID_TOKEN_FOR_SYSTEM_ AGENT", "status": 404, "source": "identity-token-service", "details": { } }, { "message": "Request failed with status code 404", "code": "INTERNAL_SERVER_ERROR", "status": 500, "source": "web-api" }] } }</pre>	User with AOID is not authorized to make this call. In the provided example, the AOID given was not valid.

Chapter 3

Chapter 3: Use Case 2 - Updating an Employee's Direct Deposit in ADP Lyric

Summary

Add or change Direct Deposit information by specifying the bank accounts to which all or a portion of pay is to be deposited. If the Direct Deposit information needs to be validated by the financial institution, this process usually requires a ten banking-day period and it may take up to two pay periods for the new Direct Deposit account to take effect. During this time, live pay checks may be issued. Review the pay statement for updates.

API Usage

For more information refer [Worker Pay Distributions](#) under API Explorer.

Method	URI	Description
POST	/events/payroll/v1/worker.pay-distribution.change	Adds a new Direct Deposit or updates an existing Direct Deposit records with an updated set.
GET	/events/payroll/v1/worker.pay-distribution.change/meta	Returns an event metadata.

Application Scope

The following canonical URI needs to be added to your application scope to enable this use case:
 /payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.change

Supported Actors

Request Parameter roleCode Value	Usage
practitioner	Adds or updates an employee's Direct Deposit information as a practitioner. A system user is considered a practitioner.
Employee	Add or update your Direct Deposit information as an employee.

Instructions on Add and Update Direct Deposit

The /events/payroll/v1/worker.pay-distribution.change request adds or updates an employee's existing Direct Deposit records in the request payload.

- If no deposits exist for an employee, the Direct Deposit API acts as an ADD function and adds a new Direct deposit.
- If there is an existing Direct Deposit for an employee, API acts as an UPDATE function and updates the existing record.

There is no separate and explicit Add or Update. For example, if a new Direct Deposit needs to be added to an existing collection, your application needs to retrieve the existing collection, then build the request payload with the existing collection and insert the new Direct Deposit record in the array in the request payload.

Data Dictionary

The Pay Distribution API manages the data displayed under **Associate Profile > Pay Profile > Direct Deposit**.

Schema Location	Description	Field Name	Is Required (Y/N)
events/data/eventContext/worker/associateOID	The associateOID of the worker whose information is being updated.	Not Displayed	N
events/data/eventContext/payDistribution/payrollRegionCode/codeValue	The code value for the region in which the payroll is processed.	Not Displayed	N
events/data/eventContext/payDistribution/payrollGroupCode/codeValue	The code value for the payroll group relevant to payroll processing	Pay Group	Y
events/data/eventContext/payDistribution/payrollFileNumber	The associate's payroll ID.	Payroll ID	Y
events/data/transform/effectiveDateTime	The date/time that this change will become effective.	Effective Date	N

Schema Location	Description	Field Name	Is Required (Y/N)
events/data/transform/eventStatusCode/codeValue	This identifies the status of the event.	Not Displayed	N
/payDistributions/requestedStartDate	The date when the distribution instruction set will become or became effective.	Not Displayed	Y
/payDistribution/distributionInstructions/depositAccount/financialAccount/typeCode/codeValue	The type of account (e.g. checkings, savings). The code for this entity. Note: We support up to 6 type codes for savings and checkings each. If one is in use, the system will use the next type code.	Account Type	Y
/payDistribution/distributionInstructions/depositAccount/financialAccount/accountNumber	The unique identifier of the account where the pay amount will be distributed.	Account Number	Y
/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/idValue	Routing number. Used to facilitate automated monetary transfers.	Bank Transit Number	Y
/payDistribution/distributionInstructions/remainingBalanceIndicator	Remaining balance indicator, to indicate if the entire remainder of the pay amount should be distributed. Only one value, either amount or percentage or remaining balance indicator (true) should be provided.	Full Net Deposit	Y
/payDistribution/distributionInstructions/distributionAmount/amountValue	If the user has chosen to distribute by amount rather than percentage (for example, \$500 rather than 50% of the pay amount), then this field will be populated.	Deposit Amount	N
/payDistribution/distributionInstructions/distributionAmount/currency	The currency that is used for the pay amount.	Not Displayed	N
/payDistributions/distributionInstructions/distributionPercentage	If the user has chosen to distribute by percentage, rather than amount (for example, 50% of the pay amount rather than \$500), then this field will be populated.	Distribution Percentage	N
"/payDistributions/distributionInstructions/prenoteIndicator	Indicates if the pre-note is required based on the client company setup.	Prenote Required	Y

Responses

You may encounter exceptions outside your common success scenarios. You must account for these exceptions during your initial development. For more information, see [API Common Exceptions and Tips for Handling](#).

Response Code	Response Condition	Sample Response
200 OK	Successfully updating a workers direct deposit information	<pre>{ "data": { "exactRequest": "527e4e3e-34c8-498b-85de-b26c54841afd" } }</pre>

Chapter 4

Chapter 4: Use Case 3 - Synchronizing Employee Direct deposit details Using Notifications

Use Case Description

ADP applications trigger notifications when data is updated. Your application could subscribe interested notifications to synchronize up the data. See the [ADP Event APIs and Event Notification Guide](#) for more information about ADP Notifications.

Supported Event Notifications

Your application should subscribe to and process the following event change notifications to synchronize data in the event of a data change in the ADP system. The changes described in the following table trigger event notification messages for Direct deposit changes. **Event notification** is supported when an employee direct deposit details are added or updated either through **API** or **ADP Lyric UI**

Field Name in ADP Lyric UI	Application Scope
When an employee direct deposit details are updated or added	/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.change.eventNotify.subscribe

Chapter 5

Chapter 5: Known Issues and Limitations

1. asOfDate not supported for GET /payroll/v2/workers/{aoid}/pay-distributions

Impacted APIs

Method	URI
GET	/payroll/v2/workers/{aoid}/pay-distributions

Issue Description:

Getting records in a past or future date is not supported through an asOfDate query parameter for the GET /payroll/v2/workers/{aoid}/pay-distributions API.

Suggested Workaround

Current implementation will allow the GET /payroll/v2/workers/{aoid}/pay-distributions API to return all current and future-dated records. We will enhance the API to return past records in a future implementation.

2. Financial Account typeCode codelist is a static list

Impacted APIs

Method	URI
GET	/events/payroll/v1/worker.pay-distribution.change/meta

Issue Description:

The codelist for /payDistribution/distributionInstructions/depositAccount/financialAccount/typeCode is not currently dynamic to the typeCodes that are set up in the system.

Suggested Workaround

To view these values, navigate to the Client Factors page and filter by "Payroll" System Factor Type and "Banking" as System Factor Subtype.

3. prenoteBypassIndicator cannot be updated through the POST /events/payroll/v1/worker.pay-distribution.change

Impacted APIs

Method	URI
POST	/events/payroll/v1/worker.pay-distribution.change
GET	/payroll/v2/workers/{aoid}/pay-distributions

Issue Description:

The prenoteBypassIndicator cannot be updated through the POST /events/payroll/v1/worker.pay-distribution.change API. The prenoteByPass indicator is configured at the Pay Group level and not the associate level.

Suggested Workaround:

Navigate to the associate's Pay Group settings and toggle the Bypass Prenote Validation setup.

Chapter 6

Chapter 6: Appendix

Viewing/ Updating Direct Deposit Details in ADP Lyric

Please advise the client practitioner during your client onboarding to enable your application access in ADP Lyric using the following steps

1. Login to ADP Lyric.
2. Navigate to **Manage Associate's Pay Profile**.
3. Search for the associate using the Name, Associate ID, Payroll ID, Pay Group, and Status filters.
4. Click the associate to view their pay profile.
5. Click **Direct Deposit** and then click **Confirm Identity** to view the associate's Pay Distribution account.

Note: Practitioners are only able to view the associates that belong to the Pay Groups they actively manage. Please reach out to the Product Team in case you are not able to view the Pay Groups.