

## Chapter 2

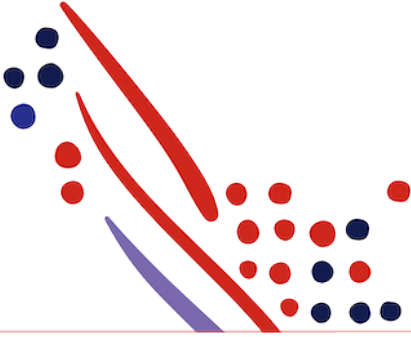
# API Details

from Direct Deposit API Guide for RUN Powered by  
ADP Guide

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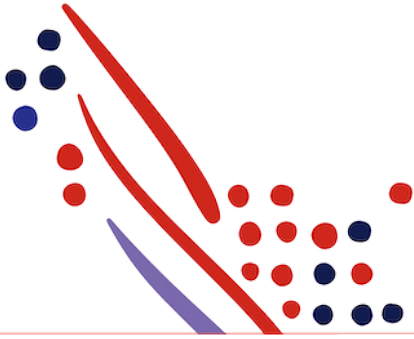
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# Chapter Contents

## Chapter 2

### API Details

- Endpoints and samples
- Application Scope
- Supported Actors
- Sequence of Interactions
- Data Dictionary
- Fields Not Supported
- Common Rejected Requests

## Chapter 2

# API Details

## Endpoints and samples

[Pay Distribution API for RUN Powered by ADP](#)

## Application Scope

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.

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

1. **`/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.read`**
2. **`/payroll/payrollManagement/payrollInstructionManagement/payDistributionManagement/worker.payDistribution.change`**

## Supported Actors

Request Parameter roleCode value	Usage
practitioner	Retrieves an employee's direct deposit details. A system user is considered a practitioner.
employee	Retrieves your own direct deposit details.

## Sequence of Interactions

The following are common request flows

1. Retrieve pay distributions/direct deposits for interested worker
2. Retrieve **`events/payroll/v1/worker.pay-distribution.change/meta`** to the ADP API endpoint.
3. The ADP API endpoint responds to your consumer application with the meta payload. Your consumer application processes the meta payload to validate data included in the payload (step 3 in the above figure) and prompts the user to fix any validation issues. Otherwise, compose the payload for the **`events/payroll/v1/worker.pay-distribution.change`** request.
4. The ADP API endpoint responds to the consumer application concerning the details of **`events/payroll/v1/worker.pay-distribution.change`**.

## Data Dictionary

Resources listed in the following table can be accessed in the RUN Powered by ADP UI by selecting **Employees > Payroll > Direct Deposit**.

Schema Location	Field Name in RUN UI	Required(Y/N)?	Note
/events/serviceCategoryCode			
/events/serviceCategoryCode/codeValue			
/events/eventNameCode			
/events/eventNameCode/codeValue			
/events/data/			
/events/data/eventContext/			
/events/data/eventContext/worker			
/events/data/eventContext/worker/associateOID			
/events/data/transform/payDistribution			
/events/data/transform/payDistribution/requestedStartDate			Indicates the current date.
/events/data/transform/payDistribution/distributionStatusCode			
/events/data/transform/payDistribution/distributionStatusCode/codeValue			
/events/data/transform/payDistribution/distributionStatusCode/shortName			
/events/data/transform/payDistribution/distributionStatusCode/longName			
/events/data/transform/payDistribution/distributionInstructions			
/events/data/transform/payDistribution/distributionInstructions/itemID			

/events/data/transform/ payDistribution/distribu tionInstructions/preced enceCode		Y	
/events/data/transform/ payDistribution/distribu tionInstructions/preced enceCode/codeValue			The valid values are <b>1, 2, 3, and 4.</b>
/events/data/transform/ payDistribution/distribu tionInstructions/preced enceCode/shortName			
/events/data/transform/ payDistribution/distribu tionInstructions/preced enceCode/longName			
/events/data/transform/ payDistribution/distribu tionInstructions/payme ntMethodCode			
/events/data/transform/ payDistribution/distribu tionInstructions/payme ntMethodCode/codeValu e			The valid value is <b>D.</b>
/events/data/transform/ payDistribution/distribu tionInstructions/payme ntMethodCode/shortNa me			The valid value is <b>Direct Deposit.</b>
/events/data/transform/ payDistribution/distribu tionInstructions/payme ntMethodCode/longNam e			
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount			
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialPart y			
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialPart y/nameCode			
/events/data/transform/ payDistribution/distribu	<b>Bank Name</b>		

tionInstructions/depositAccount/financialParty/nameCode/codeValue			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/nameCode/shortName			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/nameCode/longName			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID		Y	
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/idValue	<b>Routing Number</b>		
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/schemeCode			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/schemeCode/codeValue			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/schemeCode/shortName			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialParty/routingTransitID/schemeCode/longName			
/events/data/transform/payDistribution/distributionInstructions/depositAccount/financialAccount			

/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/accountNumber	<b>Account Number</b>	Y	
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/accountName	<b>Nickname</b>		
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/typeCode			
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/typeCode/codeValue	<b>Account Type</b>		The valid values are <b>C</b> and <b>S</b> .
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/typeCode/shortNam e			The valid values are <b>Checking</b> and <b>Savings</b> .
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/typeCode/longName			The valid values are <b>Checking</b> and <b>Savings</b> .
/events/data/transform/ payDistribution/distribu tionInstructions/deposi tAccount/financialAcco unt/currencyCode			
/events/data/transform/ payDistribution/distribu tionInstructions/distrib utionAmount			
/events/data/transform/ payDistribution/distribu tionInstructions/distrib utionAmount/amountV alue	<b>Amount</b>		
/events/data/transform/ payDistribution/distribu tionInstructions/distrib utionAmount/currency Code			
/events/data/transform/ payDistribution/distribu tionInstructions/distrib utionAmount/currency Code	<b>Amount</b>		



payDistribution/distributionInstructions/distributionPercentage			
/events/data/transform/payDistribution/distributionInstructions/remainingBalanceIndicator			
/events/data/transform/payDistribution/distributionInstructions/prenoteBypassIndicator			

## Fields Not Supported

Schema Location	Field Name
NA	<b>Deposit Distribution</b>

## Common Rejected Requests

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

Response Code	Condition	messageTxt
400 Bad Request	The <b>Financial Account</b> is missing in the request payload.	<pre>"userMessage": { "messageTxt": "Account information is not provided.;" }</pre>
400 Bad Request	Length of the <b>Account Number</b> is less than 4.	<pre>"userMessage": { "messageTxt": "Account number length cannot be less than 4.;" }</pre>
400 Bad Request	The <b>Account Number</b> has invalid characters. Other than Alphanumerics, it contains a space and & character.	<pre>"userMessage": { "messageTxt": "Account number has invalid characters.;" }</pre>
400 Bad Request	The <b>Nickname</b> has invalid characters. Other than Alphanumerics,	<pre>"userMessage": {</pre>

	it contains a space and & character.	"messageTxt": "Nickname has invalid characters;," }
400 Bad Request	The <b>Bank Account Type</b> is missing	"userMessage": { "messageTxt": "Bank Account Type is not provided;," }
400 Bad Request	The <b>Bank Account Type</b> is invalid, other than <b>S</b> or <b>C</b> .	"userMessage": { "messageTxt": "Bank Account Type should either be Checking or Savings;," }
400 Bad Request	The <b>Distribution Percentage</b> has more than two decimals.	"userMessage": { "messageTxt": "Only two decimal places are allowed in Distribution percentage;," }
400 Bad Request	The <b>Distribution Percentage</b> and <b>Distribution Amount</b> are 0.	"userMessage": { "messageTxt": "A valid pay distribution type was not provided;," }
400 Bad Request	The <b>Distribution Percentage</b> is greater than 0 and the <b>remainingBalanceIndicator</b> is True.	"userMessage": { "messageTxt": "A valid pay distribution type was not provided;," }
400 Bad Request	Both the <b>Distribution Percentage</b> and <b>Distribution Amount</b> are provided.	"userMessage": { "messageTxt": "You can enter a percentage or an amount, not both;," }
400 Bad Request	The <b>Distribution Amount</b> has more than two decimals.	"userMessage": { "messageTxt": "Only two decimal places allowed in Distribution Amount;," }
400 Bad Request	The <b>Payment Method</b> name is invalid. Other than the <b>Direct Deposit</b> .	"userMessage": { "messageTxt": "A valid payment method code was not provided;," }
400 Bad Request	The <b>Precedence Code</b> is invalid. More than 4 or less than 1, null, or is not integer.	"userMessage": { "messageTxt": "A valid precedence code was not provided;," }
400 Bad Request	The <b>Distribution Percentages</b> for all the direct deposits sum up to more than 100.	"userMessage": { "messageTxt": "Total distribution cannot exceed 100%;," }
400 Bad Request	More than one <b>Full Net</b> type distribution provided when the following occurs: <ul style="list-style-type: none"> <li>• <b>Remainder</b> indicator is set to 1 and the <b>Amount</b> and <b>Percentage</b> fields are blank.</li> <li>• <b>Remainder</b> indicator set to 1 and <b>Percentage</b> field set to 100.</li> </ul>	"userMessage": { "messageTxt": "More than one direct deposit can not be added if 'All of my pay' is selected;," }
400 Bad Request	More than one <b>remainderBalanceIndicators</b> are used in the pay distribution payload.	"userMessage": { "messageTxt": "More than one remainder type distribution cannot be set;," }
400 Bad Request	Same precedence number is provided for more than one direct deposit.	"userMessage": {

		"messageTxt": "The same precedence cannot be set for multiple accounts.;" }
400 Bad Request	The <b>Financial Party</b> is missing in the request payload.	"userMessage": { "messageTxt": "Routing information is not provided.;" }
400 Bad Request	The invalid routing id is provided. The null or length not equal to 9.	"userMessage": { "messageTxt": "Valid Routing Number is not provided.;" }
400 Bad Request	The <b>Routing Number</b> starts with 5.	"userMessage": { "messageTxt": "Routing Number cannot start with 5.;" }
400 Bad Request	The <b>Bank Name</b> has more than 40 characters.	"userMessage": { "messageTxt": "Maximum length of the Bank name cannot exceed 40.;" }
400 Bad Request	Invalid characters entered in the <b>Bank Name</b> . The <b>Bank Name</b> contains characters other than Alphanumerics, space, and &.	"userMessage": { "messageTxt": "Bank Name has invalid characters.;" }
400 Bad Request	The PayDistribution is missing in the request payload.	"userMessage": { "messageTxt": "No pay distribution information is provided." }
400 Bad Request	The <b>Associate ID</b> is not set in the <b>Event Context</b> .	"userMessage": { "messageTxt": "Event context associateoid is not set." }
401 Unauthorized	The employee does not have ESS access.	"userMessage": { "messageTxt": "Direct Deposit is disabled for employees" }
	Invalid Credentials provided.	"userMessage": { "messageTxt": "Invalid authorization credentials" }
404 Not Found	Invalid employee AOID provided.	"userMessage": { "messageTxt": "Cannot find person using the given Associateoid- {{aoid}}" }