Chapter 1

About this API

from Deduction Instructions API Guide for RUN Powered by ADP

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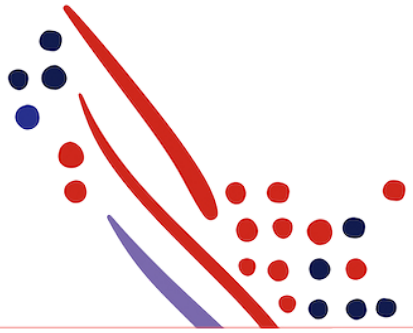

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Chapter 1

About this API

Summary

The Deduction Instructions Application Programming Interface (API) allows applications to retrieve, start, change, and stop deductions for an employee or contractor.

In RUN Powered by ADP, a deduction is a voluntary amount or percentage, other than taxes, subtracted from an employee's or contractor's pay. The amount can be the result of the following:

- Tax calculation
- Voluntary deduction
- Bank deposit
- Lien
- Benefit plan

Company deductions are taken after taxes and garnishments are calculated. They are usually associated with a benefit or service provided by the employer.

Note

Deductions having a statutory limit, such as a 401(k) and Social Security, stop automatically after the limit is reached.

Important

Deductions of Garnishments category currently not supported using the Payroll Instructions/Deductions API.

What's New in this Guide?

In this section, revisions to the Deduction Instruction APIs and this guide will be announced.

August 2022

- Updated API endpoints and samples to link to API explorer

February 2021

- Added Event Notification support under Chapter 6.

Dec 2020

- Added a data dictionary table for garnishments under Data Dictionary section in this chapter.
- Added a note under Data Dictionary section in this chapter regarding garnishment instruction.
- Changed canonical uri under Application Scope in Chapter 2.
- Added responses for deductions, garnishments and meta in the Responses table in Chapter 2.
- Added an issue for meta retrieval and the suggested workaround in Chapter 6 under Known issues and limitations.

August 2020

- Added a note under the Summary section in this chapter.

- Removed garnishment deductions list from the **Required Setup Steps** section in this chapter.

June 2020

- Updated the **Sequence of Interaction** sections in chapters 2 - Use Case: Retrieving Deductions for a Worker, 3 - Use Case: Starting a Deduction for a Worker, and 4 - Use Case: Changing a General Deduction Instruction for a Worker.
- Added the following limitations in Chapter 6 - Known Issues and Limitations:
    - **Event notification not supported**.
    - **META APIs are not returning deduction codes set up at the client level**.

Supported Product Version and Customer Base

The Deduction Instructions API is available for RUN Powered by ADP U.S. clients having the Payroll features.

Process Overview

	Actor	Task Description
1	Payroll Practitioner	Add deductions at the company level.
2	Your system	1. Use the Worker Management API to synchronize employee data between RUN Powered by ADP and your data connector application. 2. Use the Deduction Instructions API to start, change, and stop deductions.

Required Setup Steps

To start a deduction for a worker, the deduction must be configured at the company level for the client. RUN Powered by ADP supports deductions in the categories listed in the following sections.

Garnishment

Garnishment includes the following:

- Bankruptcy
- Child support 1
- Child support 2
- Child support 3
- Child support 4
- Child support 5
- Child support 6
- Child support 7
- Child support 8
- Child support 9
- Child support 10
- Creditor 1
- Creditor 2
- Federal agency 1
- Federal agency 2
- Federal student loan 1
- Federal student loan 2
- Federal tax levy 1
- Federal tax levy 2
- Federal tax levy 3
- Medical support 1
- Medical support 2

- Private support
- State student Loan 1
- State student Loan 2
- State tax levy 1
- State tax levy 2
- State tax levy 3
- Wage assignment 1
- Wage assignment 2
- Wage assignment 3
- Employer processing fee

Miscellaneous Deductions

Miscellaneous Deductions includes the following:

- Advance
- Draw post tax
- Loan
- 401(k) loan
- 401(k) loan 2
- 401(k) loan 3
- 401(k) loan 4
- 401(k) loan 5
- Miscellaneous
- Miscellaneous 2
- Miscellaneous 3
- Miscellaneous 4
- Miscellaneous %
- Miscellaneous % 2
- Miscellaneous % 3
- Miscellaneous % 4
- Credit union
- Transit and parking pass
- Charity
- United way
- Uniform
- Credit union
- Initiation
- Christmas club
- Vacation club
- 529 savings plan
- Meals
- Parking pass pre-tax
- Transit pass pre-tax
- Auto Insurance
- Home Insurance
- PA LST
- Cents per hour
- Cents per hour 2
- Cents per hour 3
- Paid family leave employee
- Paid family leave ER
- Paid medical leave employee
- Paid medical leave ER

Post-Tax Insurances

Post-Tax Insurances includes the following:

- Medical 1
- Medical 2
- Dental
- Life insurance
- Long-term disability
- Chiropractic
- EE-Medical Savings Account $
- EE-Medical Savings Account %

- AFLAC post-tax
- FSA post-tax $
- Vision
- Dependent care
- Accidental death & dismemberment
- Short-term disability $
- Short-term disability %
- HSA post-tax $
- HSA post-tax %
- HSA post-tax catch-up $
- HSA post-tax catch-up %
- DP CAF 125

Pre-Tax Insurances

Pre-Tax Insurances includes the following:

- Dental pre-tax
- Blue Cross (pre-tax) $
- Blue Cross (pre-tax) %
- Chiropractic pre-tax
- Hospital (pre-tax) $
- Hospital (pre-tax) %
- Medical pre-tax 1
- Short-term disability (pre-tax) $
- Short-term disability (pre-tax) %
- AFLAC pre-tax
- FSA pre-tax $
- Medical pre-tax 2
- Medical pre-tax 3
- Life insurance pre-tax
- Vision pre-tax
- Long-term disability pre-tax
- Dependent care pre-tax
- Accidental death & dismemberment pre-tax
- HSA CAF125 pre-tax $
- HSA CAF125 pre-tax %
- HSA Self Only CAF125 Pre Tax $
- HSA Self Only CAF125 Pre Tax %
- HSA CAF125 pre-tax catch-up $
- HSA CAF125 pre-tax catch-up %

Retirement

Retirement includes the following:

- 401(k) plan $
- 401(k) plan 2 $
- 401(k) plan %
- 401(k) plan 2 %
- 401(k) catch-up $
- 401(k) catch-up %
- 401(k) catch-up 2 $
- 401(k) catch-up 2 %
- SIMPLE 401(k) $
- SIMPLE 401(k) %
- SIMPLE 401(k) catch-up
- SIMPLE 401(k) catch-up $
- SIMPLE 401(k) non-elective contribution
- SIMPLE IRA non-elective contribution
- SIMPLE IRA $
- SIMPLE IRA %
- SIMPLE IRA catch-up $
- SIMPLE IRA catch-up %
- 403(b) plan $
- 403(b) plan %
- 403(b) 15yr plan $

- 403(b) 15yr plan %
- 403(b) catch-up $
- 403(b) catch-up %
- 408(k) SAR SEP
- 408(k) SAR SEP $
- 408(k) SAR SEP catch-up
- 408(k) SAR SEP catch-up $
- IRA post-tax
- Employer Contribution to 401(k) $
- Employer Contribution to 401(k) %
- 501(c) plan $
- 501(c) plan %
- SEP IRA $ (Employer Paid)
- SEP IRA % (Employer Paid)
- Roth 401(k) plan $
- Roth 401(k) plan %
- Roth 457(b) plan $
- Roth 457(b) plan %
- Roth 401(k) plan catch-up $
- Roth 401(k) plan catch-up %
- Roth 457(b) catch-up $
- Roth 457(b) catch-up %
- Roth 457(b) double limit catch-up $
- Roth 457(b) double limit catch-up %
- Roth SIMPLE 401(k) $
- Roth SIMPLE 401(k) %
- Roth SIMPLE 401(k) catch-up $
- Roth SIMPLE 401(k) catch-up %
- CalSavers Roth Ret %
- Roth IRA $
- Roth IRA %
- CalSavers Roth Ret Catchup %
- Roth IRA catch-up $
- Roth IRA catch-up %
- Roth 403(b) $
- Roth 403(b) %
- Roth 403(b) plan 15yr catch-up $
- Roth 403(b) plan 15yr catch-up %
- Roth 403(b) plan catch-up $
- Roth 403(b) plan catch-up %
- 414(h) plan $
- 414(h) plan %
- 457(b) plan $
- 457(b) plan %
- 457(b) catch-up $
- 457(b) catch-up %
- 457(b) double limit catch-up $
- 457(b) double limit catch-up %
- Employer Profit Sharing Contrib $
- Employer Profit Sharing Contrib %

Voluntary Disability Insurance

Voluntary Disability Insurance includes State voluntary disability plans.

COVID EE SS TAX Repayment

COVID EE SS TAX Repayment include the following:

- Q3 EE SS Tax Deferral Repayment
- Q4 EE SS Tax Deferral Repayment

Unions

Unions include the following:

- Union
- Union 2
- Union 3
- Union cents per hour
- Union cents per hour 2
- Union cents per hour 3
- Union percentage of gross
- Union percentage of gross 2
- Union percentage of gross 3
- Assessment flat dollar
- Assessment cents per hours
- Assessment percentage of gross

Additional Notes about Deduction Categories

- Deduction Categories and deductions are set-up at the company level and are applicable to all workers within the company.
- Newly scheduled deductions are in effect for the next payroll cycle.
- Deductions can be a flat dollar amount or a percentage of the worker's pay. Deductions which only support the U.S. Dollar (USD) will be named with the $ symbol. Deductions which only support percentage will be named with the % symbol. For more information, see Chapter 3 - Use Case: Starting a Deduction for a Worker.

In addition, clients need to make sure that Pay Type, Pay Rate, and Pay Frequency setup is done for the employee in RUN Powered by ADP. This is completed in the RUN Powered by ADP user interface (UI) by selecting **Employees > Directory > Payroll info**.

Data Dictionary

The Deduction Instructions API exposes the Deductions setup for a worker. To view the data in RUN Powered by ADP, login as a practitioner and select **Employee > Earnings Deductions**.

RUN Powered by ADP Field Name	Deductions API Response Location	Required Field for New Deduction (Y/N)?
Deduction	/payrollInstructions/generalDeductionInstructions/deductionCode/codeValue	Y
Type - Dollar	/payrollInstructions/generalDeductionInstructions/deductionRate/currencyCode	N
Type - Percentage	/payrollInstructions/generalDeductionInstructions/deductionRate/unitCode/codeValue	Y
Amount	/payrollInstructions/generalDeductionInstructions/deductionRate/rateValue	Y
Goal amount	/payrollInstructions/generalDeductionInstructions/deductionGoal/goalLimitAmount/amountValue	N

The Deduction Instructions API also returns the Garniments for a worker. To view the data in RUN Powered by ADP, login as a practitioner and select **Employee > Garnishments**.

RUN Powered by ADP Field Name	Deductions API Response Location	Required Field for New Deduction (Y/N)?

RUN Powered by ADP Field Name	Deductions API Response Location	Required Field for New Deduction (Y/N)?
Deduction	/payrollInstructions/garnishmentInstructions/deductionCode/codeValue	Y
Type - Dollar	/payrollInstructions/garnishmentInstructions/garnishmentAmount/amountValue	Y (N, if percentage is populated)
Type - Percentage	/payrollInstructions/garnishmentInstructions/garnishmentPercentage/percentageValue	Y (N, if amount is populated)
Goal amount	/payrollInstructions/garnishmentInstructions/garnishmentGoal/goalLimitAmount/amountValue	N

Note

Garnishment Instructions can be retrieved using this API but cannot be updated