



Guide

Payroll Data Input API Guide for ADP Vantage HCM

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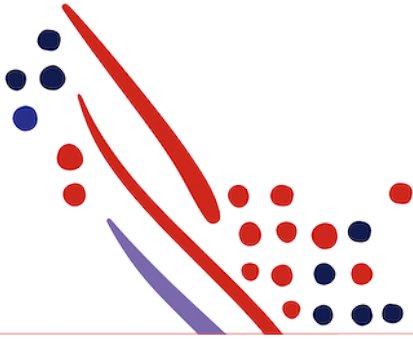


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About this API

Summary

ADP Vantage HCM enables users to create a Pay Data batch for a payroll cycle to include the following:

- Hours and Earnings
- Deductions
- Memos
- Taxes
- Temporary Cost Numbers
- Temporary Department Numbers
- Allocations

The Payroll Data Input Application Programming Interface (API) enables you to build a data connector application for clients to transmit data sourced in your application to a specific Pay Data batch in ADP Vantage HCM.



Note

(Developer Note) The Payroll Data Input API call is an **Asynchronous call**, which means when you try to add a Pay Data batch through the API, it throws a **202 Accepted** as a status code along with another uniform resource locator (URL) provided at the end of the response payload. On hitting this URL, it will throw a **200 OK** as a status code along with a response payload, which displays a generic message stating if the Import Pay Data process is passed or failed.

- If the following message is displayed: **The 'Import Pay Data' process is successful.**, it means the pay data batch is successfully added into ADP Vantage HCM on the **Pay Data Entry** page.
- If the following message is displayed: **The 'Import Pay Data' process failed.**, it means there is a mistake in the request payload and the pay data batch didn't get added into ADP Vantage HCM.

What's New in this Guide?

In this section, revisions to the Payroll Data Input API and this guide will be announced.

July 2020

Added a Note under [Chapter 2 - Use Case: Adding Entries in a Pay Data Batch](#).

May 2020

Updated the **Data Dictionary** within the **Batch and Employee Information** section in [Chapter 2 - Adding Entries in a Pay Data Batch](#).

Process Overview

The following table shows an illustration of how your data connector application would be used by a client.

	Actor	Task Description
1	Payroll practitioner	Selects the payroll group code, employees, and payroll file numbers to be imported.
2	Payroll practitioner	Enters the Pay Data inputs and initiating the Pay Data import.
3	Your application	Automatically creates a new batch and imports Pay Data in ADP Vantage HCM.
4	Payroll practitioner	Reviews the import result on the Pay Data Entry page in the ADP Vantage HCM user interface (UI) by selecting Process > Payroll > Pay Data Entry .
5	Payroll practitioner	Takes actions to balance and adjust, as needed.

Required Setup Steps

The Payroll Data Input API supports all the following codes:

- Earnings
- Deductions
- Memos
- Taxes
- Cost Numbers
- Payroll Department Numbers
- Allocations

Clients need to make sure the codes used by your application are added and configured in the ADP Vantage HCM UI by selecting **Setup > Field Definitions & Mappings > Setup Information > Payroll**.

The following table lists the records in your data connector application and how they correspond to the fields on the **Setup Information** page under **Payroll** in the ADP Vantage HCM UI.

Records	Fields in ADP Vantage HCM UI
Earning Codes	Earnings
Deduction Codes	Deductions
Taxes	Tax Setup
Memo Codes	Memo
Cost Number Codes	Cost Number
Department Codes	Payroll Departments
Shift Qualifier Codes	Shift Qualifier
Rate codes	Additional Rates

Pay Data Entry Views Setup in ADP Vantage HCM

The column names appearing on the **Pay Data Entry** page when a pay data batch is created should be set up in the **Pay Data Entry Views** within in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry Views**.

The following columns should be present under the **Selected Columns** of the **Pay Data Entry Views** page. If not present, move the fields under **Available Columns** to **Selected Columns**.

- File Number (File #)
- FLSA Workweek (Workweek)
- Pay Number (Pay #)
- ALA Occurrence (ALA#)
- Rate Code
- Shift
- Temp Cost Number (Temp Cost #)
- Temp Department (Dept)
- Employee Name (Name)
- Hours/Earnings 1(Reg Erns)
- Hours/Earnings 2(O/T Erns)
- Hours/Earnings 3(Reg Hrs)
- Hours/Earnings 4(O/T Hrs)
- Temp Rate
- Deductions
- Memos
- Taxes Federal (Federal Tax)
- Taxes Local 2 (Local 2 Tax)
- Taxes State 2 (State 2 Tax)
- Taxes State (State Tax)
- Taxes Local (Local Tax)
- State2 Tax Code (State 2 Tax Cd)
- State Tax Code (State Tax Cd)
- Other Period Begin Date
- Other Period End Date



Note

When the </events/payroll/v1/pay-data-input.add> API is used to add a Pay Data Batch, the **Pay Data Entry** view will be automatically set up according to the input fields provided through the Payroll Data Input API.

Pay Data Types Handled by the Payroll Data Input API

The following table lists the pay data transmitted through the Payroll Data Input API to ADP Vantage HCM.

Type	Common Uses	Schema Location
Regular and Overtime Hours and Earnings	Sends regular and overtime earnings to ADP Vantage HCM.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs
Coded Hours and Earnings	Sends client-defined and other earnings to ADP Vantage HCM.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs
Deductions	Sends deductions to ADP Vantage HCM, including out of box deductions and client-defined deductions.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/ deductionInputs

Allocation Position	Sends the allocation position details to ADP Vantage HCM. Specifies the number of the allocations associated with an entry. This is for Automatic Labor Allocation (ALA).	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/payAllocation
Cost Number	Sends the cost number details to ADP Vantage HCM. Specifies the temporary cost number.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/payAllocation
Department Number	Sends the department details to ADP Vantage HCM. Specifies the temporary department number.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/payAllocation
Memos	Sends the memo details to ADP Vantage HCM.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/memoInputs
Taxes(Federal,State & Local)	Sends Federal, State (Lived In and Worked In), Local (Lived In and Worked In) taxes to ADP Vantage HCM.	/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs

Postman Collection

Postman allows you to import a collection of APIs, created by others, so you can try them out. For more information on Postman, see [Making Your First API Call Using Postman](#).

To download API collections for the Payroll Data Input API from the ADP GitHub library and import them to Postman, go to [Payroll Data Input API Postman Collection](#).

Chapter 2

Use Case: Adding Entries in a Pay Data Batch

Use Case Description

This use case sends entries to a Pay Data batch. It's commonly used to send the following data from a different system or application to the **Pay Data Entry** page in ADP Vantage HCM:

- Earnings
- Deductions
- Memo
- Taxes
- Cost Number
- Payroll Department Number
- Allocations



Note

The Client Practitioner can check whether the Pay Data Entry status is successful or not in ADP Vantage HCM by navigating to **Process > Utilities > Activity Log** and select the following:

- **Activity Log Type : HR/Payroll- Process Status**
- Required start and end date between which you want to check the logs

Then, the Client Practitioner can check the required log by using the **Batch ID** generated while doing the Pay Data Input Add API call.

API Usage

Method	Uniform Resource Identifier (URI)	Description	GitHub Sample Request Payload	GitHub Sample Response Payload	Note
POST	/events/payroll/v1/pay-data-input.add	Adds a new pay data batch.	ADD-Pay-data-batch-http-202-request.json	For more information, see the Responses section below.	The response payload will display a URI at the end of the payload in the links section. Use this URI to make the async call. For example: "href": "/core/v1/operations/payrollManagement/vantage/355075" This URI can be applied only for the GET Request.
GET	/events/payroll/v1/pay-data-input.add/meta	Returns an event metadata.	NA	pay-data-input-add-meta-http-200-response.json	The sample payload can be built from the meta call.
GET	/core/v1/operations/payrollManagement/vantage/{ID}	Retrieves a pay data input batch for a specific batch request.	NA	For more information, see the Responses section below.	

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 in order to enable this use case:

[/payroll/payrollManagement/payrollProcessing/payDataInputManagement/pay-data-input.add](#)

Sequence of Interactions

1. Your consumer application makes a request for [/events/payroll/v1/pay-data-input.add/meta](#) to the ADP API endpoint.
2. The ADP API endpoint responds to your consumer application with the meta payload. See the table in the following section.
3. Your consumer application processes the meta payload to validate data included in the payload in step 4 and prompts the user to fix any validation issues. Otherwise, compose the payload for the [/events/payroll/v1/pay-data-input.add](#) request.
4. Your consumer application makes a [/events/payroll/v1/pay-data-input.add](#) request to the ADP API endpoint.
5. The ADP API endpoint responds to the consumer application concerning the details of [/events/payroll/v1/pay-data-input.add](#).

Responses

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

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

Developer Note

As this is an asynchronous call, the API request throws only two responses:

- **202 Accepted** - Thrown when a pay data batch is sent through request payload and the API call is successful. (A URI is displayed at the end of the response payload using which you can make the async call)
- **200 OK(Async call)** - When the import pay data process is successful or failed.

Responses for Adding a New Pay Data Batch

POST [/events/payroll/v1/pay-data-input.add](#)

Response Code	Condition	messageTxt	GitHub Sample Request Payload	GitHub Sample Response Payload	Tips to Handle
202 Accepted	Adding a pay data batch with a single associate and the following inputs: <ul style="list-style-type: none">• Earnings• Deductions• Memo• Cost Number• Payroll Department Number• Allocations (ALA)	NA	ADD-Pay-data-batch-http-202-request.json	ADD-Pay-data-batch-http-202-response.json	The response payload will display a URI at the end of the payload in the links section. Use this URI to make the async call. For example: "href": "/core/v1/operations/payrollManagement/vantage/355075" This URI can be applied only for GET Request.
400 Bad Request	Adding allocations earnings, along with taxes.	<pre>{"userMessage": { "codeValue": "1000-15", "messageTxt": "Invalid taxInputs/configurationTag/tagValues Replace"}}</pre>	ADD-Pay-data-with-allocations-and-taxes-http-400-request.json	ADD-Pay-data-with-allocations-and-taxes-http-400-response.json	

Responses for Retrieving a Pay Data Input Batch for a Specific Batch Request

GET /core/v1/operations/payrollManagement/vantage/{ID}

Response Code	Condition	messageTxt	GitHub Sample Request Payload	GitHub Sample Response Payload	Tips to Handle
200 OK (Async call)	When the pay data batch is successfully imported or added into ADP Vantage HCM.	"userMessage": {"codeValue": "0-0", "messageTxt": "The 'Import Pay Data' process completed successfully."}	NA	ADD-Pay-data-batch-http-200-response.json	The ID can be retrieved from the URI obtained from the 202 Accepted Response payload.
200 OK (Async call)	When the pay data batch import process failed and did not get added into ADP Vantage HCM.	"userMessage": {"codeValue": "0-0", "messageTxt": "The 'Import Pay Data' process failed."}	NA	ADD-Pay-data-batch-import-failed-http-200-response.json	<p>This can be due to any invalid data sent through the payload.</p> <p>Make sure you send a valid Associate Object ID (AOID), payroll file number, pay group, and other codes (earnings, memos, and so on).</p> <p>For codes and combinations to be used refer to the meta provided in the</p>

Other Scenarios

The following is a list of common scenarios you may want to consider for your application.



Note

The sample responses listed all have the response code of 202 Accepted and 200 OK with the following message: **The 'Import Pay Data' process completed successfully.**

Scenario Description	GitHub Sample Request Payload	GitHub Sample Response Payload(Async Call)
Adding a pay data batch with valid regular hours and earnings.	pay-data-input-add-regular-earnings-input-http-200-request.json	pay-data-input-add-regular-earnings-input-http-202-response.json pay-data-input-add-regular-earnings-input-http-200-response.json

Adding a pay data batch with valid overtime hours and earnings.	pay-data-input-add-overtime-earnings-input-http-200-request.json	pay-data-input-add-overtime-earnings-input-http-202-response.json pay-data-input-add-overtime-earnings-input-http-200-response.json
Adding a pay data batch with a temporary hourly rate.	Add-pay-data-with-temp-earning-rate-200-http-request.json	Add-pay-data-with-temp-earning-rate-202-http-response.json pay-data-add-CNum-input-http-200-request.json
Adding a pay data batch with valid coded hours.	pay-data-input-add-codedHours-input-http-200-request.json	pay-data-input-add-codedHours-input-http-202-response.json pay-data-input-add-codedHours-input-http-200-response.json
Adding a pay data batch with valid coded earnings.	pay-data-input-add-codedEarnings-input-http-200-request.json	pay-data-input-add-codedEarnings-input-http-202-response.json pay-data-input-add-codedEarnings-input-http-200-response.json
Adding a pay data batch with valid deductions.	pay-data-input-add-deduction-input-http-200-request.json	pay-data-input-add-deduction-input-http-202-response.json pay-data-input-add-deduction-input-http-200-response.json
Adding a pay data batch with valid memo inputs.	pay-data-input-add-memo-input-http-200-request.json	pay-data-input-add-memo-input-http-202-response.json pay-data-input-add-memo-input-http-200-response.json
Adding a pay data batch with valid taxes.	pay-data-input-add-tax-input-http-200-request.json	pay-data-input-add-tax-input-http-202-response.json pay-data-input-add-tax-input-http-200-response.json
Send in Allocations (ALA) for the client along with earnings, memos, and deductions.	pay-data-input-add-ALA-input-http-200-request.json	pay-data-input-add-ALA-input-http-202-response.json pay-data-input-add-ALA-input-http-200-response.json
Send in Cost Number along with earnings.	pay-data-add-CNum-input-http-200-request.json	pay-data-add-CNum-input-http-202-response.json pay-data-add-CNum-input-http-200-response.json
Send in Department Number with earnings.	pay-data-add-Dept-http-200-request.json	pay-data-add-Dept-http-202-response.json pay-data-add-Dept-http-200-response.json

Data Dictionary

Batch and Employee Information

Using the resources listed in the following table, data sent through the Payroll Data Input API eliminates the need for the user to enter batch and employee information data manually in ADP Vantage HCM.



Note

For the Pay Data Input Add API, either associate OID or Employee ID is required. The user can either pass either one or both in the request payload. When one value is filled automatically, the second value gets updated. This is the reason why the meta dictates that both are mandatory fields.

Schema Location	Field Name	Business Rules	Notes
/data/eventContext/payrollGroupCode/codeValue	Pay Group	Always Required	A client could have multiple company codes. To create a Pay Data batch, the client needs to select the company code first.
/eventContext/payrollProcessingJobID	Batch ID		The client needs to assign the batch an ID. The ID doesn't need to be unique, as the system would append system generated characters if the ID is used by an existing batch.
/payDataInput/payeePayInputs/associateOID	Not Displayed	Always Required	To retrieve the AOID value for an employee, use GET workers.
/payDataInput/payeePayInputs/payeeID/idValue	Employee ID		To retrieve the idValue , use GET workers call and then search for the workerID/idValue .
/payDataInput/payeePayInputs/payrollProfilePayInputs/payrollFileNumber	File #		
/payDataInput/payeePayInputs/payNumber	Pay Number		The client needs to assign a payNumber to be used for all entries included in the batch.
/data/eventContext/payrollWeekNumber	WorkWeek		Indicates whether the data entered for employees are for week 1 or week 2.

Regular, Overtime and Temp:Hours & Earning Inputs

Resources in the following table can be accessed in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry**. Then, select the required **Pay Group** and **Pay Batch** to find the fields.

Using the resources listed in the following table, regular and overtime earning input data sent through the Payroll Data Input API eliminates the need to enter this data manually in ADP Vantage HCM.



Note

(Developer Note) Code **REG** is reserved for **Regular Hours and Earnings** and **OTP** is reserved for **Overtime Hours and Earnings**.

Schema Location	ADP Vantage HCM Field Name	Notes
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/configurationTags/tagCode	NA	
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/configurationTags/tagValues	SHIFT	The shift qualifier code.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/earningInputs/earningCode/codeValue	NA	The Earning Code.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/modifierCode	NA	<ul style="list-style-type: none"> Supported modifier code for Regular Hours and Earnings - "1" Supported modifier code for Overtime Hours and Earnings - "2" Supported modifier code for Temp Hourly Rate - "24" <p>For more information refer META response payload provided in API Usage section</p>
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/rateCode/codeValue	RATE CODE	The company rate code.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/earningInputs/rate/rateValue	Temp Rate REG ERNS OTP ERNS	<p>The Temp Rate associated with the Earning Code when the modifier code is set to 24</p> <p>The REG ERNS associated with the Earning Code when the modifier code is set to 1</p> <p>The OTP ERNS associated with the Earning Code when the modifier code is set to 2</p>
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/earningInputs/rate/currencyCode	NA	The Currency Code.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/earningInputs/numberOfHours	REG HRS for code REG O/T HRS for code OTP	The Hours associated with the Earning Code.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs		

/earningInputs/earnedPayPeriodStartDate		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/earnedPayPeriodEndDate		

Coded Hours and Earnings Data

Resources in the following table can be accessed in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry**. Then select the required, **Pay Group** and **Pay Batch** to find the fields.

Using the resources listed in the following table, coded hours and earnings data sent through the Payroll Data Input API eliminates the need to enter this data manually in ADP Vantage HCM.

Schema Location	Field Name	Notes
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/configurationTags/tagCode		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/configurationTags/tagValues	SHIFT	The shift qualifier code.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/modifierCode	NA	<ul style="list-style-type: none"> Supported modifier code for Coded Hours - "3" or "4" Supported modifier code for Coded Earnings - 7,8,9 <p>For more information refer META response payload provided in API Usage section</p>
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/rateCode/codeValue	RATE CODE	The company rate code.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/earningInputs/earningCode/codeValue	Various, depends on the Earning	The Earning Code value.
/payDataInput/payeePayInputs/payrollProfilePayInputs	"Earning code" ERNS	<p>The rate value associated with the earning will be displayed in this field.</p> <p>The field name varies according to the Earning code sent through API payload.</p>

ts/payInputs/ earningInputs/rate/rateValue		
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/earningInputs/numberOfHours	"Earning code" HRS	The Hours associated with the earning. The field name varies according to the Earning code sent through API payload.

Deductions

Resources listed in the following table can be accessed under **Process > Payroll > Pay Data Entry**. Then select the required **Pay Group** and **Pay Batch** to find the fields.

Using the resources listed in the following table, deductions data sent through the Payroll Data Input API eliminates the need to enter this data manually in ADP Vantage HCM.

Schema Location	Field Name	Notes
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/deductionInputs/deductionCode/codeValue	Various, depends on the Deduction	The Deduction Code.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/deductionInputs/deductionRate/rateValue	DED ONE , DED OVR	The Rate associated with the deduction code will be updated in the respective fields <ul style="list-style-type: none"> • DED ONE - if the configuration tag value(deduction type code) is sent Temporary through API, • this field gets selected in UI which means it is a one time deduction. • DED OVR - if the configuration tag value(deduction type code) is sent as Special through API, • this field gets selected in UI which means it is an override deduction.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/deductionInputs/configurationTags/tagCode		
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/deductionInputs/configurationTags/tagValues		Use the value from meta

Memo

Resources listed in the following table can be accessed in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry**. Then, select the required **Pay Group** and **Pay Batch** to find the fields.

Using these resources, memo data sent through the Payroll Data Input API eliminates the need to enter this data manually in ADP Vantage HCM.

Schema Location	Field Name	Notes
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/memoInputs	Various, depends on the Memo.	The memo-related entries.
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/memoCode	MEMO	
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/memoCode/codeValue		
/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/memoInputs/memoAmount	NA	
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs /memoInputs/memoAmount/amountValue	MEMO	

Taxes

Resources listed in the following table can be accessed in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry**. Then, select the required **Pay Group** and **Pay Batch** to find the fields.

Using these resources, memo data sent through the Payroll Data Input API eliminates the need to enter this data manually in ADP Vantage HCM.

Schema Location	Field Name	Notes
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs /taxInputs	Various, depends on the Memo.	The memo-related entries.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs /taxInputs/taxTypeCode	FEDERAL TAX (for taxTypeCode 1) STATE TAX (for taxTypeCode 4) LOCAL TAX (for taxTypeCode 5) STATE 2 TAX (for taxTypeCode 7) LOCAL 2 TAX (for taxTypeCode 8)	

/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxTypeCode/codeValue		Use the value from meta.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxJurisdiction/taxJurisdictionCode		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxJurisdiction/taxJurisdictionCode/codeValue	STATE TAX CD (for taxTypeCode 4) STATE 2 TAX CD (for taxTypeCode 7)	Use the value from meta state tax codelist.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxJurisdiction/livedInIndicator		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxJurisdiction/workedInIndicator		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/taxRate/rateValue		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/configurationTags		
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/configurationTags/tagCode	FED ACTION (for taxTypeCode 1) ST ACTION (for taxTypeCode 4) LOC ACTION (for taxTypeCode 5) ST2 ACTION (for taxTypeCode 7) LOC2 ACTION (for taxTypeCode 8)	Use the value from meta. The following options are overrides to existing Taxes: <ul style="list-style-type: none"> To adjust is to add to or deduct from an existing Tax. To replace, tells the system to ignore the existing Tax and take to specified amount posted.
/payDataInput/payeePayInputs/payrollProfilePayInputs/payInputs/taxInputs/configurationTags/tagValues		

Temporary Cost Number, Temporary Department Number, and Allocation

Resources listed in the following table can be accessed in the ADP Vantage HCM UI by selecting **Process > Payroll > Pay Data Entry**. Then, select the required **Pay Group** and **Pay Batch** to find the fields.

Using the resources listed in the following table, your data connector application can post **Temporary Cost Number**, **Temporary Department Number**, and **Allocation** position details through the Payroll Data Input API. This eliminates the need to enter this data manually in ADP Vantage HCM using the **Pay Data Entry** page.

POST	Schema Location	Field Name	Notes
Temporary Cost Number	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationID	Not Displayed	Use the value from meta (CNum codeList).
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode/codeValue	Temporary Cost Number	CNum is reserved code for Cost Number.
Temporary Department Number	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationID	Not Displayed	Use the value from meta (DEPID CodeList).
Temporary Department Number (Cont.)	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode/codeValue	Temp Dept	DEPID is reserved code for Cost Number.
Allocation (ALA)	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationID	Not Displayed	Use the value from meta (ALNum CodeList).
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode	Not Displayed	
	/payDataInput/payeePayInputs/payrollProfilePayInputs /payInputs/payAllocation/allocationTypeCode/codeValue	ALA#	ALNum is reserved code for Cost Number.

Working with Temporary Cost Number, Temporary Department Number, and Allocations

Using the components listed in the table above, sending **Temporary Cost Number**, **Temporary Department Number**, and **Allocations** using the Payroll Data Input API achieves the same result as if the user follows the steps in the following sections:

Setting the Temporary Cost Number

The **allocationTypeCode:CNum** value in the payload indicates the **Temporary Cost Number**. To create the batch with **Temporary Cost Number**, ADP Vantage HCM should have the **Labor Distribution** and **Allocations** set to **Cost Number** using the following steps in the UI:

1. Select **Setup > Setup Information > Company > Pay Groups > Settings**.
2. Set the **Labor Distribution** to **Cost Number**.
3. Set **Allocations** to **Cost Number**.

Setting the Temporary Department Number

The **allocationTypeCode:DEPID** value in the payload indicates the **Temporary Department Number**. To create the batch with **Temporary Department Number**, ADP Vantage HCM should have the **Labor Distribution** and **Allocations** set to **Department Number** using the following steps in the UI:

1. Select **Setup > Setup Information > Company > Pay Groups > Settings**.
2. Set the **Labor Distribution** to **Cost Number**.
3. Set **Allocations** to **Cost Number**.

Setting the Allocations in ADP Vantage HCM

The value in the payload indicates **Allocation** positions for **Cost Number** and **Department Number** in the ADP Vantage HCM UI:

1. Select **Setup > Setup Information > Company > Pay Groups > Settings**.
2. Select either **Cost Number** or **Department** as the Allocation method your company uses to allocate employee hours and earnings.
3. Select **ALA Percent Required** to allow your company to distribute an employee's hours and earnings to multiple departments or cost numbers on a regular basis, by percentage. This should total 100 percent.

Pay Data Fields Not Handled by the Payroll Data Input API

Currently, the Payroll Data Input API doesn't handle the following columns on the **Paydata** page.

ADP Vantage HCM Field Name	Description
Social Security Number	Specifies the Social Security Number (SSN) of the employee.
Job	Specifies the job and description of the employee.
Cancel Automatic Pay	Cancels automatic pay for one pay period. This option is not available if Automatic Pay is not selected for the pay group.
Tax Frequency	Specifies the number of weeks in the tax cycle.
Special Action	Adds a special pay action to the pay.
FLSA Special Processing Code	Indicates whether the transaction is processed as Exclude or Compare Rates .
Advanced Pay Date	A wage garnishment pay date that's only available if liens are set up for the pay group.
Miscellaneous Hours	Any additional Hours .
Miscellaneous Earnings	Any additional Earnings .
Taxes Social Security	Add to or replace the tax amount withheld for Social Security .
Taxes Medicare	Add to or replace the tax amount withheld for Medicare .
Taxes Medicare Surtax	This amount will add to the normal Medicare Surtax calculation.
Taxes SDI	State disability insurance tax. Use to add to or replace the tax amount that will be calculated based on the employee's permanent tax profile.
Taxes FLI	Use to add or replace a Family Leave Insurance (FLI) tax amount for an employee with an SUI code that's FLI applicable and FLI enabled.
Taxes MLI	Use to add or replace a Medical Leave Insurance (MLI) tax amount for an employee with an SUI code that's MLI applicable and MLI enabled.
Miscellaneous Deductions	Any additional deductions.
Cancel DIA-Code	Prevents Deductions In Arrears (DIA) balances from being deducted for the specified deduction code for the employee.
Cancel\ "ALL\ "DIA	Prevents all Deductions In Arrears (DIA) balances from being deducted for the employee.
Miscellaneous Memo	Any additional Memo.
State Reciprocity Code	Identifies a method of taxation which incorporates worked-in and lived-in state tax logic. Valid values are 1 - 4.
School District Code	The tax code for a school district.
Forecast Weeks	Automatically applies deductions scheduled for subsequent weeks to the employee's current paycheck.

Pay check Tax Frequency	Allows you to pay an employee in multiple departments/cost numbers, with multiple pay rates and/or multiple work weeks.
Block Direct Deposits	Blocks both full and partial direct deposits.
Block Deferred Comp	Blocks deferred compensation deductions including: <ul style="list-style-type: none"> • 401(k) • 408(k) • 414(h) • 457 • 501(c)
Taxes Local Service 1	Specifies the local service tax codes if any are setup for client.
Taxes Local Service 2	
Total Hours Pay Block	Use to block calculations for total hours worked. This will also block the display of total hours worked on the employee's pay statement for this pay.
Total Hours Pay Override	Use to provide an override value for total hours worked which will be applicable to the entire pay.

Chapter 3

Known Issues and Limitations

Issue 1: API doesn't throw proper error status code if there is any validation failure

Impacted APIs

Method	URI	roleCode
POST	/events/payroll/v1/pay-data-input.add	Practitioner

Description

When the API User sends invalid data through the payload the API doesn't throw any error status code, instead it throws 200 OK with the following generic message:

The 'Import Pay Data' process failed.

In this case from a partner perspective the API should throw some specific error status code so the partner application can understand the exact issue which doesn't cause confusion.

Suggested Workaround

Building the data validation in your application when collecting data.

Issue 2: Specific error message isn't displayed when the import pay data process gets failed

Impacted APIs

Method	URI	roleCode
POST	/events/payroll/v1/pay-data-input.add	Practitioner

Issue Description

When the API user sends invalid data through the payload, the API throws 200 OK with the following generic message:

The 'Import Pay Data' process failed.

In this case the API should throw some specific error message so the user can know what specific data is invalid and he can correct it.

Suggested Workaround

Build data validation in your application when collecting data and have client validate data in the ADP Vantage HCM application at the end of the process.

Issue 3: Cost number codeList URI is incorrect in the META information

Impacted API

Method	URI	roleCode
GET	/events/payroll/v1/pay-data-input.add/meta	Practitioner

Description

The Cost number(CNum) codeList URI is incorrect in meta information. Need to be corrected to **/codelists/payroll/v3/payroll-instruction-management/cost-number-code-values**.

Suggested Workaround

There are no workarounds available.

Issue 4: Tax jurisdiction codeLists URI in meta are same for both state tax and local tax jurisdiction codes

Impacted API

Method	URI	roleCode
GET	/events/payroll/v1/pay-data-input.add/meta	Practitioner
POST	/events/payroll/v1/pay-data-input.add	

Description

There are two codeLists mentioned in the meta for tax jurisdiction codes, where both are the same and return state tax codes.

Suggested Workaround

During client onboarding, get the list of codes configured in ADP Vantage HCM and build a process. So, when the client updates the code, the data gets updated in your application.

Issue 5: No specific indicator for active and in-active codes provided by the codeLists

Impacted API

Method	URI	roleCode
GET	/events/payroll/v1/pay-data-input.add/meta	Practitioner
POST	/events/payroll/v1/pay-data-input.add	Practitioner

Description

The codes provided by the CodeList API's don't indicate specifically if they are active or in active codes.

Suggested Workaround

During client onboarding, get the list of codes configured in ADP Vantage HCM and build a process. So, when client updates the code, the data gets updated in your application.

Issue 6: Fields that are supported by API but not reflecting in ADP Vantage HCM Pay data entry page

Impacted API

Method	URI	roleCode
GET	/events/payroll/v1/pay-data-input.add/meta	Practitioner
POST	/events/payroll/v1/pay-data-input.add	Practitioner

Description

The following fields are supported by the Payroll Data Input API such as the **/events/payroll/v1/pay-data-input.add** API successfully creates the Pay Data Batch when these fields are sent through the request payload but are not reflected in ADP Vantage HCM:

- **earnedPayPeriodStartDate**
- **earnedPayPeriodEndDate**
- **CNum**
- **DEPTID**

Suggested Workaround

There are no workarounds available.

Issue 7: payrollWeekNumber is not supported by API

Impacted API

Method	URI	roleCode
GET	/events/payroll/v1/pay-data-input.add/meta	Practitioner
POST	/events/payroll/v1/pay-data-input.add	Practitioner

Description

When this field is sent in through the Payroll Data Input API while creating a pay data batch the import gets failed.

Suggested Workaround

There are no suggested workarounds.