



Guide

Worker Address API Guide for ADP Vantage HCM

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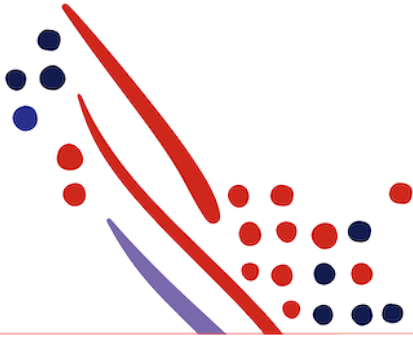


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Chapter 1

About this API

Summary

The Address APIs is used to update legal address and personal Address of a worker.

What's New in this Guide?

This is the initial version of the Workers Address API Guide for ADP Vantage HCM. In this section, we will announce any new revisions to the Workers Address API and this guide.

February 2021

Updated API endpoints and samples to link to API explorer

Supported Product Version and Customer Base

The Address APIs is available for ADP Vantage clients.

Required Setup Steps

NA

Chapter 2

Use Case: API Details

API Endpoints

[Workers - Personal Communication Management](#)

This use case describes how to change an employee's legal address (Home Address) and details are added to **People > Employee Profile > Personal Information > Addresses** in the ADP Vantage HCM UI

Application Scope

The following uniform resource identifier (URI) needs to be added to your application scope to enable this use case:

`/hr/workerInformationManagement/workerManagement/addressManagement/worker.legalAddress.change`

Supported Actors

ADP APIs have built-in data entitlement and access control. The response contains data based on the **roleCode** parameter value in an API request. For example, a person could have two roles defined in an ADP application, a Practitioner who manages all employees, and an employee. Your application will use the practitioner **roleCode** to request the data as the Practitioner and the **roleCode** of the employee.

| Request Parameter roleCode Value | Is Supported (Y/N)? | Usage |
|----------------------------------|---------------------|---|
| Practitioner | Y | Updates the worker legal address as a practitioner. |

Request Header Parameters

None, in addition to the ADP standard header parameters.

Sequence of Interactions

1. Your consumer application makes a request for **/events/hr/v1/worker.legal-address.change/meta** to the ADP API endpoint.
2. The ADP API endpoint responds to your consumer application with the meta payload. See the following table. Your consumer application processes the meta payload to validate data included in the payload in step 3 and prompts the user to fix any validation issues. Otherwise, compose the payload for the **/events/hr/v1/worker.legal-address.change** request.
3. Your consumer application makes a **/events/hr/v1/worker.legal-address.change** request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of **/events/hr/v1/worker.legal-address.change**.

Data Dictionary

This API exposes values found in the ADP Vantage HCM UI by selecting **People > Employee Profile > Personal Information > Addresses**.

The schema of the request payload is shown in the following table.

| Schema Location | Field Name in ADP Vantage UI | Is Required (Y/N) | Note |
|--|------------------------------|-------------------|------|
| /worker/person/legalAddress/lineOne | Address Line 1 | Y | |
| /worker/person/legalAddress/lineTwo | Address Line 2 | N | |
| /worker/person/legalAddress/cityName | City | Y | |
| /worker/person/legalAddress/postalCode | ZIP | Y | |
| /worker/person/legalAddress/countryCode | Country | Y | |
| /worker/person/legalAddress/countrySubdivisionLevel1 | State | Y | |

| | | | |
|--|---------------|---|--|
| /worker/person/legalAddress/countrySubdivisionLevel1/codeValue | State | Y | |
| /worker/person/legalAddress/lineThree | Not Displayed | N | |
| /worker/person/legalAddress/lineFour | Not Displayed | N | |
| /worker/person/legalAddress/lineFive | Not Displayed | N | |
| /worker/person/legalAddress/countrySubdivisionLevel2/longName | County | N | |
| /data/eventContext/worker/associateOID | Not Displayed | Y | |

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](#).

| Response Code | Condition | messageTxt |
|-----------------|---|--|
| 200 Success | Change worker's legal address | NA |
| 200 Success | Change worker's legal address to Canadian address | NA |
| 200 Success | Change worker's legal address to Foreign address | NA |
| 400 Bad Request | When Address Line 1 isn't passed in request. | "messageTxt": "You must enter a value in the required field (Employee Personal Data-Address (Line 1))." |
| 400 Bad Request | When City isn't passed in the request. | "messageTxt": "You must enter a value in the required field (Employee Personal Data-City)." |
| 400 Bad Request | When countrySubdivisionLevel1 isn't passed in the request. | "messageTxt": "You must enter at least Address (Line 1), City, State/Province, and ZIP/Postal Code." |
| 400 Bad Request | When Postal Code isn't passed in the request. | "messageTxt": "You must enter at least Address (Line 1), City, State/Province, and ZIP/Postal Code." |
| 400 Bad Request | When invalid Country Code is passed in the request. | "messageTxt": "You have entered an invalid value for Employee Personal Data-State. Select a valid value from the list provided." |
| 400 Bad Request | When non-US address is passed in the request for employees in US and Canada pay groups. | "messageTxt": "Employees in U.S. and Canadian pay groups must have U.S. or Canadian home addresses." |

| | | |
|-----------------|---|---|
| 400 Bad Request | When lineThree , lineFour and lineFive values are passed in the request. | " messageTxt ": "Address lines 3, 4, and 5 are for use only with countries other than US or Canada." |
|-----------------|---|---|

Fields not supported to update by this API

The table below list the fields that can't be updated by this API.

| Schema Location | Field Name |
|--|-------------------|
| People > Employee Profile > Personal Information > Addresses | Date of Residence |
| People > Employee Profile > Personal Information > Addresses | County |

Application Scope

The following uniform resource identifier (URI) needs to be added to your application scope to enable this use case:

/hr/workerInformationManagement/workerManagement/addressManagement/worker.personalAddress.change

/hr/workerInformationManagement/workerManagement/addressManagement/worker.personalAddress.add

Supported Actors

ADP APIs have built-in data entitlement and access control. The response contains data based on the **roleCode** parameter value in an API request. For example, a person could have two roles defined in an ADP application, a Practitioner who manages all employees, and an employee. Your application will use the practitioner **roleCode** to request the data as the Practitioner and the **roleCode** of the employee.

| Request Parameter roleCode Value | Is Supported (Y/N)? | Usage |
|----------------------------------|---------------------|---|
| Practitioner | Y | Updates the worker Personal address as a practitioner. A system user is considered as a practitioner |

Request Header Parameters

None, in addition to the ADP standard header parameters.

Sequence of Interactions

1. Your consumer application makes a request for **/events/hr/v1/worker.personal-address.change/meta** to the ADP API endpoint.
2. The ADP API endpoint responds to your consumer application with the meta payload. See the following table. Your consumer application processes the meta payload to validate data included in the payload in step 3 and prompts the user to fix any validation issues. Otherwise, compose the payload for the **/events/hr/v1/worker.legal-address.change** request.
3. Your consumer application makes a **/events/hr/v1/worker.personal-address.change** request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of **/events/hr/v1/worker.personal-address.change**.

Data Dictionary

Resources listed in the following table can be accessed in ADP Vantage HCM UI under **People > Employee Profile > Personal Information > Addresses**.

| Schema Location | Field Name in ADP Vantage UI | Is Required (Y/N) | Note |
|---|------------------------------|-------------------|---|
| /worker/person/personalAddress/lineOne | Address Line 1 | Y | |
| /worker/person/personalAddress/lineTwo | Address Line 2 | N | |
| /worker/person/personalAddress/lineThree | Not Displayed | N | |
| /worker/person/personalAddress/lineFour | Not Displayed | N | |
| /worker/person/personalAddress/lineFive | Not Displayed | N | |
| /worker/person/personalAddress/cityName | City | Y | |
| /worker/person/personalAddress/countrySubdivisionLevel1 | State | Y | |
| /worker/person/personalAddress/countrySubdivisionLevel1/codeValue | State | Y | |
| /worker/person/personalAddress/countryCode | Country | Y | |
| /worker/person/personalAddress/postalCode | ZIP | Y | |
| /worker/person/personalAddress/sameAsAddressIndicator | Same as home address? | Y | This indicator is used to support the ability to say that one address is the same as the legal address. |
| /data/eventContext/worker/associateOID | Not Displayed | Y | |

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](#).

| Response Code | Condition | messageTxt | Tips to Handle |
|-----------------|---|--|--|
| 201 Created | Add worker's personal address with sameasAddressIndicator=false | NA | **Add Worker Personal Address can be used only if the Personal Address is not added using Worker Hire API Event. |
| 201 Created | Add worker's personal address with Canadian address and sameasAddressIndicator=false | NA | |
| 201 Created | Add worker's personal address with Foreign address and sameasAddressIndicator=false | NA | |
| 200 Success | Change worker's personal address with sameasAddressIndicator=false | NA | |
| 200 Success | Change worker's personal address to Canadian address with sameasAddressIndicator=false | NA | |
| 200 Success | Change worker's personal address to Foreign address with sameasAddressIndicator=false | NA | |
| 200 Success | Change worker's personal address with sameasAddressIndicator=true | NA | |
| 400 Bad Request | When Address Line 1 isn't passed in request. | "messageTxt": "You must enter a value in the required field (Employee Personal Data-Address (Line 1))." | |
| 400 Bad Request | When City isn't passed in the request. | "messageTxt": "You must enter at least Address (Line 1), City, State/Province, and ZIP/Postal Code." | |
| 400 Bad Request | When countrySubdivisionLevel1 isn't passed in the request. | "messageTxt": "You must enter at least Address (Line 1), City, State/Province, and ZIP/Postal Code." | |
| 400 Bad Request | When Postal Code isn't passed in the request. | "messageTxt": "You must enter at least Address (Line 1), City, State/Province, and ZIP/Postal Code." | |
| 400 Bad Request | When invalid Country Code is passed in the request. | "messageTxt": "You have entered an invalid value for Employee Personal Data-State - Other. Select a valid value from the list provided." | |

| | | |
|-----------------|---|---|
| 400 Bad Request | When lineThree , lineFour and lineFive values are passed in the request. | " messageTxt ": "Address lines 3, 4, and 5 are for use only with countries other than US or Canada." |
|-----------------|---|---|

Chapter 3

Use Case: Synchronizing Workers address 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 legal and personal address change

[Workers - Personal Communication Management](#)



Note

Event Notifications are generated when values are updated through API but not when the changes are made through ADP Vantage HCM UI.

Chapter 4

Known Issues and Limitations

Issue #1: The element `countrySubdivisionLevel2` is not present in the response of `worker.legal-address.change` API

Impacted APIs

| Method | URI | roleCode |
|--------|---|--------------|
| POST | /events/hr/v1/worker.legal-address.change | practitioner |

Issue Description

The element `countrySubdivisionLevel2` is missing from the legal-address change API response even if the value is passed in the request.

Suggested Workaround

There are no workarounds available.