



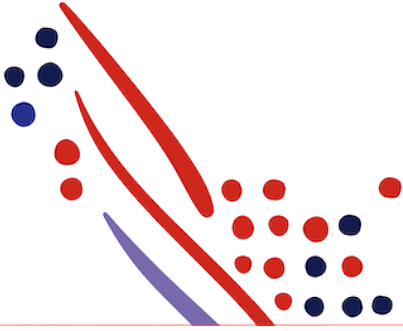
Guide

# Worker Custom Category Custom Fields API Guide for ADP Vantage HCM

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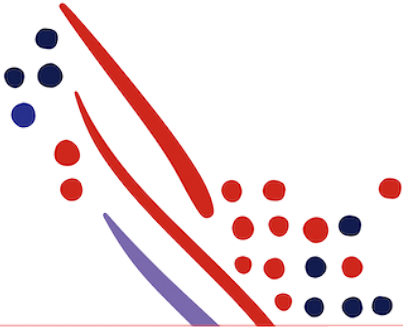
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# About this API

## Summary

The Custom category Custom Field services APIs are used to change an employee's custom category(Category =3) custom fields of type Date, Number and String.

## What's New in this Guide?

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

## Supported Product Version and Customer Base

Supported for US and International clients.

## Required Setup Steps

Before calling for Custom Fields APIs Clients need to make sure the custom category custom fields(Client Defined Fields and Expanded Client Defined Fields ) used by your application are added and configured in ADP Vantage HCM with Category "Custom".

- In order to update any client defined field it must be configured as custom field of any type (date, number or string)
- In order to update any Expanded client defined field it must be added and configured as custom field of any type (date, number or string)

Records	ADP Vantage
Client Defined Fields	<b>Configurations &gt; Fields &gt; Setup Information&gt;Client Defined Fields</b>
Expanded Client Defined Fields	<b>Configurations &gt; Fields &gt; Setup Information&gt;Expanded Client Defined Fields</b>

imp

Please make sure to add the fields under additional information page while configuring so that the changes will be visible on **People > Employee Profile > Other Information > Additional Custom Info**

This API is designed to update values of custom fields of Custom category. Do not try to update other category(work and person) custom fields using this API.

## Process Overview

The following table illustrates the key data flow steps.

	Actor	Task Description
1	Client Practitioner	Triggers the API-based data exchange between your application and ADP Vantage HCM UI.
2	Your Application	Changes Custom category Client Defined or Expanded client defined fields of type (date, number or string) using custom field APIs

## Chapter 2

# Use Case: Updating worker's Custom category Custom Number Field

## Use Case Description

This use case describes how to change an employee's custom category custom fields of type Number in **People > Employee Profile > Other Information > Additional Custom Info** in the ADP Vantage HCM UI.

important

API does not provide facility to change the fields for multiple effectiveDates that exist for an employee. The effectiveDate field in the API response specifies the effective date for which the value has been changed.

See Known Issues and Limitations Issue 1 : Effective Date Limitation for Custom Category CDF's and eCDF's for more details.

## API Usage

For API related information please refer [Workers - Custom Data Management](#)

Method	Uniform Resource Identifier (URI)	Description
GET	/events/hr/v1/worker.custom-field.number.change/meta	Returns custom field number change API meta data
POST	/events/hr/v1/worker.custom-field.number.change	Posts a Custom field number change information into ADP Vantage HCM.

## Application Scope

The canonical URI corresponding to the Worker Custom Number field change 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:

`/hr/workerInformationManagement/workerManagement/customFieldManagement/worker.customField.number.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	Changes Custom Client defined and Extended Client Defined fields of type number.

## 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.custom-field.number.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.custom-field.number.change` request.
3. Your consumer application makes a `/events/hr/v1/worker.custom-field.number.change` request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of `/events/hr/v1/worker.custom-field.number.change`.

## Data Dictionary

This API exposes values found in the ADP Vantage HCM UI by selecting **People > Employee Profile > Other Information > Additional Custom Info**.

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

Schema Location	Field Name	Is it Required in the Request Payload (Y/N)?	Notes
<code>/data/eventContext/worker/associateOID</code>	Not Displayed	Y	
<code>/data/eventContext/worker/customFieldGroup/numberField/itemID</code>	Not Displayed	Y	
<code>/data/transforms/worker/customFieldGroup/numberField/nameCode/codeValue</code>	Custom Field Name	N	The field name differs from client to client as it depends on the client setup under <b>Configurations &gt; Fields &gt; Setup Information &gt; Client Defined Fields</b>
<code>/data/transforms/worker/customFieldGroup/numberField/numberValue</code>	Custom Field Name	N	

## 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 API related information please refer [Workers - Custom Data Management](#)

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Update custom field of <b>number</b> data type	NA	The effectiveDate field in the API response specifies the effective date for which the value has been changed.
400 Bad Request	Update custom field of <b>number</b> data type by providing invalid data ( incorrect data type)	"messageTxt": "Can not construct instance of double from String value 'abhd^&78': not a valid Double value"	
400 Bad Request	Update custom field of <b>number</b> data type by providing invalid <b>itemID</b> (itemID which is not configured or doesn't exists)	"messageTxt": "You have entered an invalid value for UDF Employee Values-User Field ID. Select a valid value from the list provided."	Please refer meta for valid itemID . You can find them under dependencies/value.
400 Bad Request	Update custom field of <b>number</b> data type and which has <b>predefined dropdown values</b> with invalid value	"messageTxt": "You have entered an invalid value for Derived CDF table-User Field Value. Select a valid value from the list provided.	Please refer meta response to know the valid drop down values.
403 Forbidden	update custom field of <b>number</b> data type with invalid <b>employee(associateID)</b>	"messageTxt": "You do not have the authorization to access the server. Contact your system administrator"	

### Chapter 3

## Use Case: Updating worker's Custom category Date Field

### Use Case Description

This use case describes how to change an employee's custom fields of type Date in **People > Employee Profile > Other Information > Additional Custom Info** in the ADP Vantage HCM UI.

important

API does not provide facility to change the fields corresponding to multiple effectiveDates that exist for an employee. The effectiveDate field in the API response specifies the effective date for which the value has been changed.

See Known Issues and Limitations Issue 1 : Effective Date Limitation for Custom Category CDF's and eCDF's for more details.

### API Usage

For API related information please refer [Workers - Custom Data Management](#)

Method	Uniform Resource Identifier (URI)	Description
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Method	Uniform Resource Identifier (URI)	Description
GET	/events/hr/v1/worker.custom-field.date.change/meta	Returns custom field date change API meta data
POST	/events/hr/v1/worker.custom-field.date.change	Posts a custom field date change information into ADP Vantage HCM.

## Application Scope

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

**/hr/workerInformationManagement/workerManagement/customFieldManagement/worker.customField.date.change**

## Supported Actors

Request Parameter roleCode Value	Is Supported (Y/N)?	Usage
Practitioner	Y	Changes Custom Client defined and Extended Client Defined fields of type date.

## 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.custom-field.date.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.custom-field.date.change** request.
3. Your consumer application makes a **/events/hr/v1/worker.custom-field.date.change** request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of **/events/hr/v1/worker.custom-field.date.change**.

## Data Dictionary

This API exposes values found in the ADP Vantage HCM UI by selecting **People > Employee Profile > Other Information > Additional Custom Info**.

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

Schema Location	Field Name	Is it Required in the Request Payload (Y/N)?	Notes
/data/eventContext/worker/associateOID	Not Displayed	Y	
/data/eventContext/worker/customFieldGroup/dateField/itemID	Not Displayed	Y	

Schema Location	Field Name	Is it Required in the Request Payload (Y/N)?	Notes
/data/transforms/worker/customFieldGroup/dateField/nameCode/codeValue	Custom Field Name	N	The field name differs from client to client as it depends on the client setup under <b>Configurations &gt; Fields &gt; Setup Information&gt;Client Defined Fields</b>
/data/transforms/worker/customFieldGroup/dateField/dateValue	Custom Field Name	N	

## 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 API related information please refer [Workers - Custom Data Management](#)

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Update custom field of <b>date</b> data type	NA	The effectiveDate field in the API response specifies the effective date for which the value has been changed.
400 Bad Request	Update custom field of <b>date</b> data type by providing invalid data (incorrect date format or incorrect data type)	"messageTxt": "You must enter a valid date for ClientDefinedField18-Defaultdate"	
400 Bad Request	Update custom field of <b>date</b> data type by providing invalid <b>itemID</b> (itemID which is not configured or doesn't exists)	"messageTxt": "You have entered an invalid value for UDF Employee Values-User Field ID. Select a valid value from the list provided."	Please refer meta for valid itemID . You can find them under dependencies/value.
403 Forbidden	update field of <b>date</b> data type with invalid <b>employee(associateID)</b>	"messageTxt": "You do not have the authorization to access the server. Contact your system administrator"	

## Chapter 4

# Use Case: Updating worker's Custom Category Custom String Field

## Use Case Description

This use case describes how to change an employee's Person custom fields of type String under **People > Employee Profile >> Other Information > Additional Custom Info** in the ADP Vantage HCM UI.

important

API does not provide facility to change the fields corresponding to multiple effectiveDates that exist for an employee. The effectiveDate field in the API response specifies the effective date for which the value has been changed.

See Known Issues and Limitations Issue 1 : Effective Date Limitation for Custom Category CDF's and eCDF's for more details.

## API Usage

For API related information please refer [Workers - Custom Data Management](#)

Method	Uniform Resource Identifier (URI)	Description
GET	/events/hr/v1/worker.custom-field.string.change/meta	Returns custom field string change API meta data
POST	/events/hr/v1/worker.custom-field.string.change	Posts a custom field string change information into ADP Vantage HCM.

## Application Scope

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

`/hr/workerInformationManagement/workerManagement/customFieldManagement/worker.customField.string.change`

## Supported Actors

Request Parameter roleCode Value	Is Supported (Y/N)?	Usage
Practitioner	Y	Changes custom Client defined and Extended Client Defined fields of type String.

## 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.custom-field.string.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.custom-field.string.change` request.
3. Your consumer application makes a `/events/hr/v1/worker.custom-field.string.change` request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of `/events/hr/v1/worker.custom-field.string.change`.

## Data Dictionary

This API exposes values found in the ADP Vantage HCM UI by selecting **People > Employee Profile > > Other Information > Additional Custom Info**.

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

Schema Location	Field Name	Is it Required in the Request Payload (Y/N)?	Notes
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Schema Location	Field Name	Is it Required in the Request Payload (Y/N)?	Notes
/data/eventContext/worker/associateOID	Not Displayed	Y	
/data/eventContext/worker/customFieldGroup/stringField/itemID	Not Displayed	Y	
/data/transforms/worker/customFieldGroup/stringField/nameCode/codeValue	<b>Custom Field Name</b>	N	The field name differs from client to client.It depends on the client setup.
/data/transforms/worker/customFieldGroup/stringField/stringValue	<b>Custom Field Name</b>	N	

## 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 API related information please refer [Workers - Custom Data Management](#)

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Update custom field of <b>string</b> data type	NA	The effectiveDate field in the API response specifies the effective date for which the value has been changed.
400 Bad Request	Update custom field of <b>string</b> data type and which has <b>predefined dropdown values</b> with invalid value	messageTxt": "You have entered an invalid value for Derived CDF table-User Field Value. Select a valid value from the list provided.	Please refer meta response to know the valid drop down values.
400 Bad Request	Update custom field of <b>string</b> data type by providing invalid <b>itemID</b> (itemID which is not configured or doesn't exists)	"messageTxt": "You have entered an invalid value for UDF Employee Values-User Field ID. Select a valid value from the list provided."	Please refer meta for valid itemID . You can find them under dependencies/value.
403 Forbidden	update custom field of <b>string</b> data type with invalid <b>employee(associateID)</b>	"messageTxt": "You do not have the authorization to access the server. Contact your system administrator"	

## Chapter 5

# Known Issues and Limitations

## Issue 1: Effective Date Limitation for Custom Category CDF's and eCDF's

### Impacted APIs

Method	URI	roleCode
POST	/events/hr/v1/worker.custom-field.date.change	Practitioner
POST	/events/hr/v1/worker.custom-field.number.change	Practitioner
POST	/events/hr/v1/worker.custom-field.string.change	Practitioner

### Issue Description

User doesn't have option of adding effective date of his own from API's and User doesn't have the option of changing the data for Multiple dates that exist for an employee.

In the API's we have restricted the addition of CDF's and eCDF's for an employee on the effective date logic

- When the data is changed through API below actions can take place
  - If the employee doesn't contain any custom fields data then the API takes system current date as effectiveDate.
  - If the employee contains Data for the custom fields with prior effective date then if user tries to perform any operations on custom fields will be added/changes made to the most recent effective date with respect to the system date.
  - If the employee contains both prior and future dated rows exists for custom fields then if the user tries to make any changes to custom fields then the prior date with respect to system date will be taken into consideration and updates data accordingly.
  - If the employee contains only future dated rows for custom fields then if user tries to make any changes to the custom fields then future date is taken into consideration and updates/ add's the data accordingly.

### Suggested Workaround

There are no workarounds available.

## Issue 2: Getting 200 Ok response when passing code value as empty even though it is required field

### Impacted APIs

Method	URI	roleCode Value
POST	/events/hr/v1/worker.custom-field.date.change	Practitioner
POST	/events/hr/v1/worker.custom-field.number.change	Practitioner
POST	/events/hr/v1/worker.custom-field.string.change	Practitioner

## Issue Description

CodeValue is required field as per meta. Even though code value is not passed in request, intended custom field value is getting modified based on itemID.

## Suggested Workaround

There are no workarounds available.

## Issue 3: API is giving Success response when no value is passed for itemID

### Impacted APIs

Method	URI	roleCode
POST	/events/hr/v1/worker.custom-field.date.change	Practitioner
POST	/events/hr/v1/worker.custom-field.number.change	Practitioner
POST	/events/hr/v1/worker.custom-field.string.change	Practitioner

## Issue Description

ItemID is required field as per meta. When itemID value is not passed in request, we get 200 OK in response. Though we are getting 200 Ok, intended custom field value will not be updated/changed.

## Suggested Workaround

There are no workarounds available.

## Issue 4: Meta shows that Date, Number and String value are dependencies of respective code values but they are not.

### Impacted APIs

Method	URI	roleCode
Method	URI	roleCode
POST	/events/hr/v1/worker.custom-field.date.change	Practitioner

Method	URI	roleCode
<b>POST</b>	/events/hr/v1/worker.custom-field.number.change	Practitioner
<b>POST</b>	/events/hr/v1/worker.custom-field.string.change	Practitioner

## Issue Description

In meta, it is shown that date, number and String values are dependencies of Code value. But in real they are not. They have to be passed as separate fields in the payload.

Please refer sample request payload mentioned in the API usage section.

## Suggested Workaround

There are no workarounds available.

## Issue 5: Currently Event Notifications are not supported.

### Impacted APIs

Method	URI	roleCode
<b>POST</b>	/events/hr/v1/worker.custom-field.date.change	Practitioner
<b>POST</b>	/events/hr/v1/worker.custom-field.number.change	Practitioner
<b>POST</b>	/events/hr/v1/worker.custom-field.string.change	Practitioner

## Issue Description

Currently event notifications are no supported for these APIs, there is an issue going on which will be fixed soon in future enhancements.

## Suggested Workaround

There are no workarounds available.