

## Chapter 2

# Use Case: API Details

from Worker Personal Custom Fields API Guide for ADP  
Vantage HCM Guide

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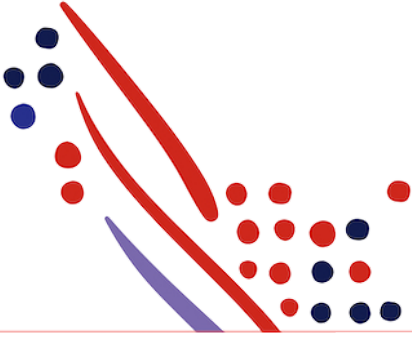
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## Chapter 2

# Use Case: API Details

## API Endpoints

### Workers - Person Custom Data Management

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

## 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.person.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 Person 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.person.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.person.custom-field.number.change` request.
3. Your consumer application makes a **`/events/hr/v1/worker.person.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.person.custom-field.number.change`**.

## Data Dictionary

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

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/person/customFieldGroup/numberField/itemID	Not Displayed	Y	
/data/transforms/worker/person/customFieldGroup/numberField/nameCode/codeValue	<b>Custom Field Name</b>	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/person/customFieldGroup/numberField/numberValue	<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](#).

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Update person custom field of <b>number</b> data type	NA	
400 Bad Request	Update person 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 person 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."	

400 Bad Request	Update person 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"	

## Application Scope

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

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

## Supported Actors

Request Parameter roleCode Value	Is Supported (Y/N)?	Usage
Practitioner	Y	Changes Person 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.person.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.person.custom-field.date.changerequest**.
3. Your consumer application makes a **/events/hr/v1/worker.person.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.person.custom-field.date.change**.

## Data Dictionary

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

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/person/customFieldGroup/dateField/itemID	Not Displayed	Y	
/data/transforms/worker/person/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/person/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](#).

Response Code	Condition	messageTxt
200 OK	Update person custom field of <b>date</b> data type	NA
400 Bad Request	Update person 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 person 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."
403 Forbidden	update custom 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"

## Application Scope

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

**/hr/workerInformationManagement/workerManagement/customFieldManagement/worker.person.customField.string.change**

## Supported Actors

Request Parameter Value	roleCode	Is Supported (Y/N)?	Usage
Practitioner		Y	Changes Person 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.person.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.person.custom-field.string.change** request.
3. Your consumer application makes a **/events/hr/v1/worker.person.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.person.custom-field.string.change**.

## Data Dictionary

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

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/person/customFieldGroup/stringField/itemID	Not Displayed	Y	
/data/transforms/worker/person/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/person/customFieldGroup/stringField/string	<b>Custom Field Name</b>	N	

Value			
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## 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](#).

Response Code	Condition	messageTxt	Tips to Handle
200 OK	Update person custom field of <b>string</b> data type	NA	
400 Bad Request	Update person 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 person 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."	
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"	