



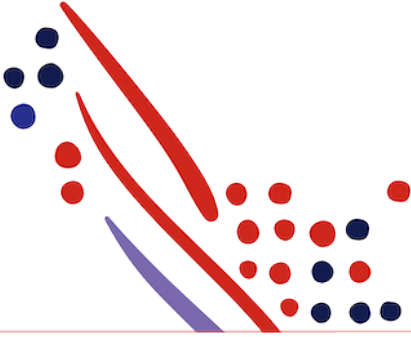
Guide

Validation Tables Location API Guide for ADP WorkForce Now

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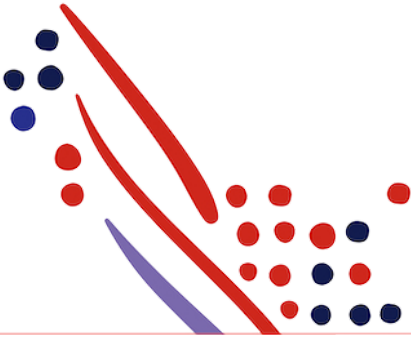


Table of Contents

Chapter 1

About the API

Summary

What's New in this Guide?

March 2022

March 2022

Supported Product Version and Customer Base

Process Overview

Postman Collection

Chapter 2

Use Case: Retrieving Location codes from Validation Tables

Use Case Description

API Usage

Application Scope

Supported Actors

Request Header Parameters

Sequence of Interactions

Data Dictionary

Responses

Chapter 3

Use Case: Adding Location details into Validation Tables

Use Case Description

API Usage

Application Scope

Supported Actors

Request Header Parameters

Sequence of Interactions

Data Dictionary

Responses

Chapter 4

Known Issues and Limitations

Issue 1: When invalid country code is passed API throws **"500 Internal server error"**.

Impacted APIs

Issue Description

Suggested Workaround

Issue 2: When country code other than 'US' and 'CA' and passed in meta for subdivision codes. API throws **"500 Internal server error"**.

Impacted APIs

Issue Description

Suggested Workaround

WFWATERVI-45923 : Meta response does not include personName related schema.

Impacted APIs

Issue Description

Suggested Workaround

Issue 3: Fields that are mandatory but are displayed optional in meta

Impacted APIs

Issue Description

Suggested Workaround

Issue 4: Meta response does not include subdivision code filter URI .

Impacted APIs

Issue Description

Suggested Workaround

Issue 5: Event Notifications are not supported.

Impacted APIs

Issue Description

Suggested Workaround

About the API

Summary

The Validation Tables Location APIs are used to Add or Retrieve Location details to/from the Validation Tables setup of an ADP WorkForce Now client.

What's New in this Guide?

March 2022

Updated API endpoints and samples to link to API explorer.

March 2022

This guide has been updated to API Editor.

Supported Product Version and Customer Base

This is supported for US clients.

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 WorkForce Now.
2	Your Application	Adds or Retrieves Location codes to/from the Validation Tables setup of an ADP WorkForce Now client.

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 Validation Table Location API from the ADP GitHub library and import them to Postman, go to [POSTMAN COLLECTION](#).

Chapter 2

Use Case: Retrieving Location codes from Validation Tables

Use Case Description

This use case returns a set of Location codes that are setup in the **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Location** section of an ADP WorkForce Now client.

API Explorer link- [Client Data Validation Table](#)

API Usage

Method	Uniform Resource Identifier (URI)	Description
GET	/hcm/v1/validation-tables/associate-work-locations	Retrieves all Location codes setup for the client
GET	/hcm/v1/validation-tables/meta? method=GET&validationTableType=Associate Work Locations	Retrieves GET meta information
GET	/hcm/v1/validation-tables/meta? validationTableType=Associate Work Locations&method=get&filter=subdivisionCode eq '{countryCode}' EX: /hcm/v1/validation-tables/meta? validationTableType=Associate Work Locations&method=get&filter=subdivisionCode eq 'US'	Retrieves GET meta information along with supported sub division codes for given country code.

Application Scope

The canonical URI corresponding to the Validation Table Locations 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:

/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/associateWorkLocations.items.read

/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/validationTable.meta.read

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	Retrieves set of available Location codes and its details.

Request Header Parameters

None, in addition to the ADP standard header parameters.

Sequence of Interactions

1. Your consumer application makes a request to the ADP API endpoint to GET Validation Table Location codes of a ADP WorkForce Now client
2. The ADP endpoint responds to your consumer application with set of available Location codes and its details.

Data Dictionary

Resources listed in the following table can be accessed in the ADP Workforce Now user interface (UI) by selecting **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Location**

Schema Location	Field Name in ADP WorkForce Now
/nameCode/code	Code
/nameCode/name	Description(English US)
/customTags/tagCode	
/customTags/tagValues	Auxillary 1 Auxillary 2 Auxillary 3 Auxillary 4 Auxillary 5
/contacts/personName/formattedName	Contact Name
/contacts/address/countryCode	Country
/contacts/address/lineOne	Address Line 1
/contacts/address/lineTwo	Address Line 2
/contacts/address/lineThree	Address Line 3

/contacts/address/cityName	City
/contacts/address/subdivisionCode/name	Province
/contacts/address/postalCode	Zip Code/Postal Code
/contacts/communication/emails/emailUri	Email
/contacts/communication/landlines/access	Phone Number
/contacts/communication/landlines/countryDialing	Phone Number
/contacts/communication/landlines/areaDialing	Phone Number
/contacts/communication/landlines/dialNumber	Phone Number
/contacts/communication/faxes/access	Fax Number
/contacts/communication/faxes/countryDialing	Fax Number
/contacts/communication/faxes/areaDialing	Fax Number
/contacts/communication/faxes/dialNumber	Fax Number
inactiveIndicator	Active

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](#).

API Explorer link- [Client Data Validation Table](#)

Response Code	Condition	messageTxt	GitHub Sample Request Payload
200 OK	Retrieving list of location codes setup for a client.	NA	NA
		"applicationCode": {	NA

404 Not Found	When an invalid API URI is used.	<pre> "code": 404, "typeCode": "error", "message": "Canonical URI Not Found" } </pre>	
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Chapter 3

Use Case: Adding Location details into Validation Tables

Use Case Description

This use case helps the user add Location codes into the **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Location** section of an ADP WorkForce Now client.

API Explorer link- [Client Data Validation Table](#)

API Usage

Method	Uniform Resource Identifier (URI)	Description
POST	/hcm/v1/validation-tables/associate-work-locations	Adds Location into validation table
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST	Retrieves POST meta information
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST&\$filter=subdivisionCode eq '{countryCode}' EX: /hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST&\$filter=subdivisionCode eq 'US'	Retrieves POST meta information along with supported sub division codes for specified country.

Application Scope

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

/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/associateWorkLocations.item.add

/hcm/standardsInformationManagement/clientMasterDataManagement/validationTableManagement/validationTable.meta.read

Supported Actors

Request Parameter roleCode Value	Is Supported (Y/N)?	Usage

Practitioner	Y	Adds a Location code and its details into the validation tables
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Request Header Parameters

None, in addition to the ADP standard header parameters.

Sequence of Interactions

1. Your consumer application makes a request to the ADP API endpoint for **`/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST`** or **`/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=get&$filter=subdivisionCode eq '{countryCode}'`**
2. The ADP API endpoint responds to your consumer application with the meta payload. 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 **`POST/hcm/v1/validation-tables/associate-work-locations`** request.
3. Your consumer application makes a **`/hcm/v1/validation-tables/associate-work-locations`** request the ADP API endpoint.
4. The ADP API endpoint responds to the consumer application concerning the details of **`/hcm/v1/validation-tables/associate-work-locations`**

Data Dictionary

Resources listed in the following table can be accessed in the ADP Workforce Now user interface (UI) by selecting **Setup > Tools > Validation Tables > Employment Profile > Corporate Groups > Location**

Schema Location	Field Name in ADP WorkForce Now	Is it Required in the Request Payload (Y/N)?	Notes
/nameCode/code	Code	Y	
/nameCode/name	Description(English US)	N	
/customTags/tagCode	Not Displayed	Y	
/customTags/tagValues	Auxillary 1 Auxillary 2 Auxillary 3 Auxillary 4 Auxillary 5	N	
/contacts/personName/formattedName	Contact Name	N	
/contacts/address/countryCode	Country	Y	
/contacts/address/line0	Address Line 1	Y	

ne			
/contacts/address/lineTwo	Address Line 2	N	
/contacts/address/lineThree	Address Line 3	N	
/contacts/address/cityName	City	Y	
/contacts/address/subdivisionCode/name	Province	Y	
/contacts/address/postalCode	Zip Code/Postal Code	Y	
/contacts/communication/emails/emailUri	Email	N	
/contacts/communication/landlines/access	Phone Number	N	
/contacts/communication/landlines/countryDialing	Phone Number	N	
/contacts/communication/landlines/areaDialing	Phone Number	N	
/contacts/communication/landlines/dialNumber	Phone Number	N	
/contacts/communication/faxes/access	Fax Number	N	
/contacts/communication/faxes/countryDialing	Fax Number	N	
/contacts/communication/faxes/areaDialing	Fax Number	N	
/contacts/communication/faxes/dialNumber	Fax Number	N	
inactiveIndicator	Active	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](#).

API Explorer link- [Client Data Validation Table](#)

Response Code	Condition	messageTxt
200 OK	Adding a Location into validation table.	
400 Bad request	Adding an already existing location into validation table.	"message": "This record already exists. Enter a unique value.",
400 Bad request	Add location with invalid tagCode.	"message": "customTags/tagCode Aux 2 is invalid.",
400 Bad request	Add location without nameCode.	"message": "/nameCode/code is required.",
400 Bad request	Add location with invalid sub division code.	"message": "State is invalid.",
400 Bad request	Add location with invalid email	"message": "The e-mail address must be in the format <code>name@company.domain</code> and may not contain diacritical symbols. Examples of diacritical symbols include the accent (á), caret (^), tilde (~), and so forth.",
500 Internal server error	Adding location with invalid country code.	"developerMessage": "could not find any system type for code:USAN and category:T,SYS,TRANS_ISO_COUNTRY and userLocale:en_US",
400 Bad request	Adding location with invalid postal code.	"message": "Enter a valid Canadian Zip code.",
400 Bad request	Adding Location with blank landline name Code.	"message": "/landlines/nameCode/code is required.",
400 Bad request	Add location without line one	"message": "You must also enter the street, city, and state.",

Chapter 4

Known Issues and Limitations

Issue 1: When invalid country code is passed API throws **"500 Internal server error"**.

Impacted APIs

Method	URI	roleCode
POST	/hcm/v1/validation-tables/associate-work-locations	Practitioner

Issue Description

When invalid country code is passed API throws **"500 Internal server error"** . Please check the developer message in the API response.

Suggested Workaround

To check the developer message displayed in the response and pass valid country code mentioned in the meta information.

Issue 2: When country code other than 'US' and 'CA' and passed in meta for subdivision codes. API throws **"500 Internal server error"**.

Impacted APIs

Method	URI	roleCode
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST&\$filter=subdivisionCode eq 'CA'	Practitioner
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=GET&\$filter=subdivisionCode eq 'CA'	Practitioner

Issue Description

- US' and 'CA' are the only supported country codes that has a list of associated subdivision codes. These codes can be retrieved by calling "/hcm/v1/validation-tables/meta?validationTableType=Business Units&method=get"
- Other than 'US' and 'CA' if any other country code is passed API will throw "500 Internal server" error.

Suggested Workaround

NA

WFNWATERVI-45923 : Meta response does not include personName related schema.

Impacted APIs

Method	URI	roleCode
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=GET	Practitioner
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST	Practitioner

Issue Description

Both GET and POST meta does not include personName related schema in API response.

Suggested Workaround

To use the payload given in the API Usage section and check the data dictionary section.

Issue 3: Fields that are mandatory but are displayed optional in meta

Impacted APIs

Method	URI	roleCode
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST	Practitioner
POST	/hcm/v1/validation-tables/associate-work-locations	Practitioner

Issue Description

Below fields are displayed as optional in meta but are actually mandatory.

- postal code
- address line one
- state/province
- city
- country

Suggested Workaround

NA

Issue 4: Meta response does not include subdivision code filter URI .

Impacted APIs

Method	URI	roleCode
Method	URI	roleCode
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=GET	Practitioner
GET	/hcm/v1/validation-tables/meta?validationTableType=Associate Work Locations&method=POST	Practitioner

Issue Description

Meta response does not include subdivision code filter URI . Refer API usage section in Chapter 2 and Chapter 3 for filter URI details.

Suggested Workaround

NA

Issue 5: Event Notifications are not supported.

Impacted APIs

Method	URI	roleCode
POST	/hcm/v1/validation-tables/associate-work-locations	Practitioner

Issue Description

ADP WorkForce Now does not support event notifications for Validation Table Location API and UI changes.

Suggested Workaround

NA