



Guide

Workers - Biological Data Management API Guide for eXpert Brazil

Published on
Mar 15, 2023 10:21AM

Last modified
May 02, 2023 12:38PM



ADP Copyright Information

ADP, the ADP logo, and Always Designing for People are trademarks of ADP, Inc.

Windows is a registered trademark of the Microsoft Corporation.

All other trademarks are the property of their respective owners.

Copyright © 2023 ADP, Inc. ADP Proprietary and Confidential - All Rights Reserved. These materials may not be reproduced in any format without the express written permission of ADP, Inc.

These materials may not be reproduced in any format without the express written permission of ADP, Inc. ADP provides this publication "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. ADP is not responsible for any technical inaccuracies or typographical errors which may be contained in this publication. Changes are periodically made to the information herein, and such changes will be incorporated in new editions of this publication. ADP may make improvements and/or changes in the product and/or the programmes described in this publication.

Published on
Mar 15, 2023 10:21AM

Last modified
May 02, 2023 12:38PM

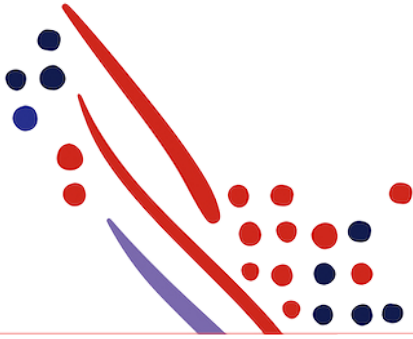


Table of Contents

Chapter 1

About this API

[Required setup steps](#)

[Postman collections](#)

[Before you begin](#)

Chapter 2

Use Case: Updating Worker Birth Date

Application Scope

API Usage

API Tables

Chapter 3

Use Case: Updating worker gender

Application Scope

API Usage

API Tables

Chapter 4

Appendices

About this API

Summary

The Workers - Biological Data Management API Guide for eXpert Brazil describes how your application can manage different changes in the worker personal biological data. It helps you to determine which use case best meets your business needs.

It also guides you through the implementation of each use case.

A worker is a person who performs duties and responsibilities for an organization. In that capacity, a worker fills one or more positions through a work assignment. For a given work assignment, a worker is related to the organization as an employee.

What's new in this guide

In this section, we will announce any new revisions to the Worker Biological Data Management Application Programming Interface (API) and this guide.

March, 2023

- First revision of this document

Required setup steps

There are no required setup steps.

Postman collections

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](#)

Before you begin

ADP provides a comprehensive set of worker APIs to stay in synch with an ADP application and do the following:

- Update a worker birth date.
- Update a worker gender.

This guide describes the data for eXpert Brazil, with the specific fields according to the country specific information and eSocial program.

The amount of data retrieved by your application may vary based on the target ADP system and the ADP system configurations. Additionally, API controls are in place allowing you to filter the requested data based on your needs.

Chapter 2

Use Case: Updating Worker Birth Date

Application Scope

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

`/hr/workerInformationManagement/workerManagement/associateManagement/worker.birthdate.change`

API Usage

This API allows you to update the worker's birth date in the eXpert system, sending the new date to be considered by the eXpert system. As this is a mandatory information, there's no add or remove operations.

API Tables

The following describes how the tables are set-up:

- **ADP eXpert Brazil Field Name** – Lists the field where you can use the API to perform an insert, update, and/or delete operation using the POST method.
- **Operation** - Lists the operation provided for this URI.
- **Application Scope** – Lists the canonical ID.
- **API and Event Type** – Lists the URI for the request.
- **GitHub Sample Payloads** – Provides the location where the sample request and response payloads are posted.

| ADP eXpert Brazil Field Name | Operation | Application Scope | API and Event Type | GitHub Sample Payloads - Request | GitHub Sample Payloads - Response |
|------------------------------|-----------|---|---|----------------------------------|-----------------------------------|
| Data de nascimento | Change | <code>/hr/workerInformationManagement/workerManagement/associateManagement/worker.birthdate.change</code> | <code>/events/hr/v1/worker.birth-date.change</code> | Payload Example | Payload Example |



Note

Check the appendices section for details in the content of each field and validations applied.

Chapter 3

Use Case: Updating worker gender

Application Scope

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

`/hr/workerInformationManagement/workerManagement/associateManagement/worker.gender.change`

API Usage

This API allows you to update the worker's gender in the eXpert system, sending the new gender (M or F) to be considered by the eXpert system. As this is a mandatory information, there's no add or remove operations.

API Tables

The following describes how the tables are set-up:

- **ADP eXpert Brazil Field Name** – Lists the field where you can use the API to perform an insert, update, and/or delete operation using the POST method.
- **Operation** - Lists the operation provided for this URI.
- **Application Scope** – Lists the canonical ID.
- **API and Event Type** – Lists the URI for the request.
- **GitHub Sample Payloads** – Provides the location where the sample request and response payloads are posted.

| ADP eXpert Brazil Field Name | Operation | Application Scope | API and Event Type | GitHub Sample Payloads - Request | GitHub Sample Payloads - Response |
|------------------------------|-----------|---|---|----------------------------------|-----------------------------------|
| Sexo | Change | <code>/hr/workerInformationManagement/workerManagement/associateManagement/worker.gender.change</code> | <code>/events/hr/v1/worker.gender.change</code> | Payload example | Payload Example |



Note

Check the appendices section for details in the content of each field and validations applied.

Chapter 4

Appendices

Appendix A: Worker Birth Date Change POST Data Dictionary

The data dictionary provides the schema resource to application user interface field mapping.

Events

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|-------------------------------------|----------------------------------|---|---|
| /events /events/eventID | Event ID | External system reference ID | ID de Referência da solicitação no sistema externo. | Mandatory, must be an string. |
| /events/serviceCategoryCode /events/serviceCategoryCode/shortName | Service Category Code | Default "HR" in this API | Fixo HR | Mandatory, must be the value defined for this API |
| /events/eventNameCode /events/eventNameCode/shortName | Event Short Name | worker.birth-date.change | worker.birth-date.change | Mandatory, must correspond to the API being called |
| /events/eventTitle | Event Title | Worker Birth Date Change | Worker Birth Date Change | Mandatory, must correspond to the API being called |
| /events/recordDateTime /events/creationDateTime | Event record/creation date and time | External system record date/time | External system record date/time | Mandatory, must be the date/time when the event occurred in the system calling the API. |

Events > Data > Event Context > Worker

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|------------------------|-------------------------------------|---|---|
| /events/data/eventContext/worker/associateOID | Worker's associate OID | Worker's Associate OID | Associate OID do colaborador | Mandatory, must be the associate OID of the employee being updated. |
| /events/data/eventContext/worker/workerID /events/data/eventContext/worker/workerID/idValue | Worker's worker ID | Worker's Worker ID | Worker ID do colaborador | Mandatory, must be the worker ID of the employee being updated. |

Events > Data > Transform > Worker > Person

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|----------------------|-------------------------------------|---|---|
| /events/data/transform/worker/person /events/data/transform/worker/person/birthDate | New birth date value | New Birth Date | Nova data de nascimento | Mandatory, must be a valid date (format YYYY-MM-DD) |

Appendix B: Worker Gender Change POST Data Dictionary

The data dictionary provides the schema resource to application user interface field mapping.

Events

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|-----------------------|-------------------------------------|---|--|
| /events /events/eventID | Event ID | External system reference ID | ID de Referência da solicitação no sistema externo. | Mandatory, must be an string. |
| /events/serviceCategoryCode /events/serviceCategoryCode/shortName | Service Category Code | Default "HR" in this API | Fixo HR | Mandatory, must be the value defined for this API |
| /events/eventNameCode | Event Short Name | worker.gender.change | worker.gender.change | Mandatory, must correspond to the API being called |

| | | | | |
|--|-------------------------------------|----------------------------------|----------------------------------|---|
| /events/eventNameCode/shortName | | | | |
| /events/eventTitle | Event Title | Worker Gender Change | Worker Gender Change | Mandatory, must correspond to the API being called |
| /events/recordDateTime /events/creationDate Time | Event record/creation date and time | External system record date/time | External system record date/time | Mandatory, must be the date/time when the event occurred in the system calling the API. |

Events > Data > Event Context > Worker

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|------------------------|------------------------------|--|---|
| /events/data/eventContext/worker/associateOID | Worker's associate OID | Worker's Associate OID | Associate OID do colaborador | Mandatory, must be the associate OID of the employee being updated. |
| /events/data/eventContext/worker/workerID /events/data/eventContext/worker/workerID/idValue | Worker's worker ID | Worker's Worker ID | Worker ID do colaborador | Mandatory, must be the worker ID of the employee being updated. |

Events > Data > Transform > Worker > Person

| Canonical Field | Label | SOR Rule for Regular Workers | SOR Rule for Regular Workers (in local language) | Validations |
|--|------------------|------------------------------|--|--|
| /events/data/transform/worker/person /events/data/transform/worker/person/genderCode /events/data/transform/worker/person/genderCode/codeValue | New gender value | New gender code (M or F) | Novo valor de código de sexo (M ou F) | Mandatory, must be one of the available options. |