



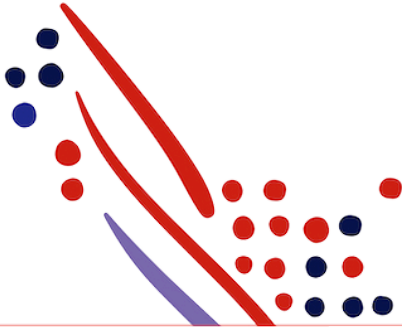
Guide

Time and Labor Management (TLM) Work Schedules API Guide for ADP Workforce

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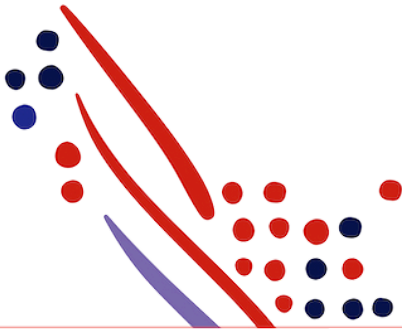


Table of Contents

Chapter 1

About this API

What's new in this Guide?

July 2023

Postman Collection

Chapter 2

Use Case: Reading a Work Schedule

Use Case Description

API Usage

Mandatory OData Query

showHolidays: Managed in the HR-system ADP Workforce.

In ADP Workforce it is possible to indicate whether or not to display public holidays in the work schedule by checking a checkbox (option "Feestdagen in het rooster verwerken" in ADP Workforce) in Workforce. If the option to display public holidays is selected in Workforce, the JSON result of the work Schedule API call will show a value of 0 for those holidays. If the checkbox in Workforce is not activated, the public holidays will not be displayed and only the regular work schedule will be shown. For public holidays that occur on a weekday the hours will be displayed.

Application Scope

Sequence of Interactions

Data Dictionary

Responses

Chapter 3

Differences and enhancements Work Schedules API

Chapter 1

About this API

What's new in this Guide?

In this section, we will announce any new revisions to the Work Schedules Request Application Programming Interface (API)

July 2023

- Initial creation of this document.

Process Overview

The following table shows how your data connector application would be used by a client.

	Actor	Task Description
1	Client Practitioner	Trigger the API-based data exchange between your application and ADP Workforce.
2	Your application	Retrieve worker work schedules information details
3	Client Practitioner	Verify the Information in ADP Workforce.

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 Work Schedules API from the ADP GitHub library and import them to Postman, go to [Work Schedules API Postman Collection](#).

Chapter 2

Use Case: Reading a Work Schedule

Use Case Description

This use case helps get employees' Work Schedule details

API Usage

Method	Uniform Resource Identifier (URI)	Description	GitHub Sample Response Payload
GET	/time/v1/workers/{aoid-id}/work-schedules	To retrieve the standard working hours for an employee.	work-schedules-http-200-response.json

Mandatory OData Query

The **\$filter** is mandatory and should contain a schedulePeriod of maximum one year, using the 'ge' and 'gt' operators, with an 'and' in between explaining the "from" date and the "till" date.

For example:

/workSchedules/schedulePeriod/startDate ge '2020-07-01' and /workSchedules/schedulePeriod/endDate lt '2018-07-04'

showHolidays: Managed in the HR-system ADP Workforce.

In ADP Workforce it is possible to indicate whether or not to display public holidays in the work schedule by checking a checkbox (option "Feestdagen in het rooster verwerken" in ADP Workforce) in Workforce. If the option to display public holidays is selected in Workforce, the JSON result of the work Schedule API call will show a value of 0 for those holidays. If the checkbox in Workforce is not activated, the public holidays will not be displayed and only the regular work schedule will be shown. For public holidays that occur on a weekday the hours will be displayed.

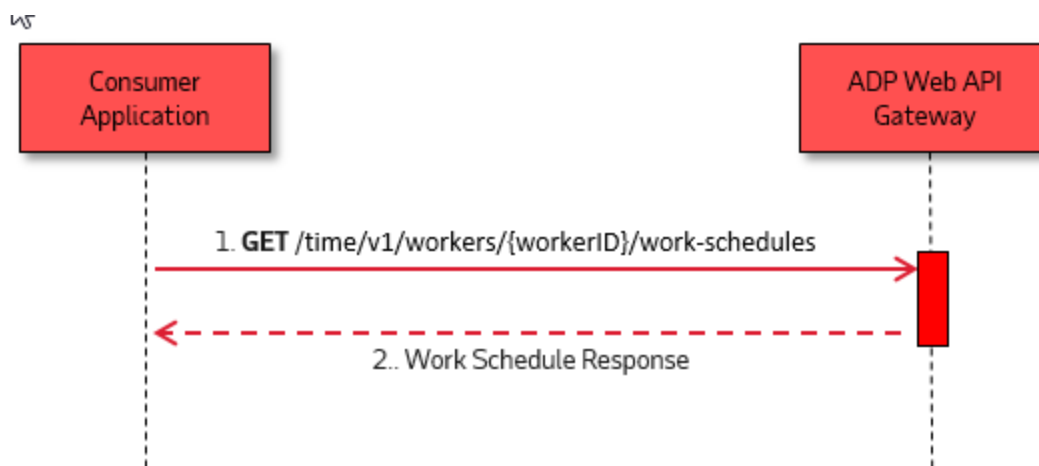
Application Scope

The canonical URI corresponding to the Work Schedules 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:

/time/timeLaborManagement/scheduleManagement/workScheduleManagement/workSchedule.read

Sequence of Interactions



The following are the steps shown in the previous diagram:

1. The consumer application makes a request to the ADP API endpoint for the Work Schedules API.
2. The ADP API endpoint responds to the consumer application with the processing result.

Data Dictionary

The Work Schedules API exposes the GET Method. The following is the schema of the response payload.

Canonical Field	Description	Example
/workSchedules/ workerID	The workerID from ADP workforce	000001

Canonical Field	Description	Example
/workSchedules/ workAssignmentID	The contract number from ADP Workforce	1
/workSchedules/ schedulePeriod	The startDate and endDate of the \$filter	
/workSchedules/ scheduleDays/daySequenceNumber	The sequence number of the result	2
/workSchedules/ scheduleDays/ scheduleDayDate	The date on which the total number of hours are scheduled	2020-07-01
/workSchedules/ scheduleDays/ scheduledHours	The total amount of scheduled working hours	8

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	Response Condition	GitHub Sample Response Payload
200 OK	Returns the work schedule for the associate.	work-schedules-http-200-response.json
200 OK	Returns an empty list of work schedules for the associate.	Empty Body
400 Bad Request	Filter period exceeds the maximum allowed period of 1 year.	work-schedules-http-400-response.json
404 Not found	The Worker must have at least one active contract/workassignment otherwise a 'not found' message will be returned	

Chapter 3

Differences and enhancements Work Schedules API

- Managing showHolidays

In **ADP Workforce Menu: Verlof en verzuim > Rooster > Werkrooster werknemer** it is possible to manage whether or not public holidays needs to be presented in the JSON output of the Work schedule. This will be different then in the current situation where this was managed by a query parameter showHolidays.

- Supported operator le (less than or equal)

Operator **le** is allowed to use in combination with end date. Example: \$filter=/workSchedules/schedulePeriod/startDate ge '2023-12-01' and /workSchedules/schedulePeriod/endDate lt '2023-12-31'.

With 31 days, the re designed Work schedule API will take into account. With the current API, 30 days. This is an improvement.

- The Worker must have at least one active contract/ workassignment otherwise a 'not found' message will be returned (response code 404)