# Time Log REST API

## Introduction

This document describes how to consume the Time Log extension using a REST interface.

## Overview

All REST API endpoints have the following properties:-

### Organisation ID

This can be found on the time log admin screen in the top right corner.

### REST API Key

This is also on the Time Log Admin screen and is provided with your software license agreement.

### Root URL

#### Sandbox

https://boznet-timelogapi-test.azurewebsites.net/api/

#### Live

https://boznet-timelogapi.azurewebsites.net/api/

### Endpoint Path

To access any end point

GET/POST/DELETE {RootURL}{organisationid}/{endpointpath}

Request header

x-functions-key: {Your REST API key}

### Body

POST operations require a body in JSON format

### Response

All responses are in JSON format

**NOTE: These endpoints do not change the work item completed or remaining hours as the API does not have access to DevOps data.**

## Endpoints

### Create Time Log

POST {RootURL}{organisationid}/timelog

Body

"comment" : The comment for the time logged (*Optional)*

"minutes" :  The number of minutes to log

"timeTypeDescription" : The description of the time type

"date" : The date the time log is for

"workItemId" : The Devops Workitem ID

"userName" : The name of the user the time is for

"userId" : The Devops User ID GUID of the user

"projectId" : The Devops project ID GUID of the workitem

"userMakingChange" : The name of the user adding the log

#### Example Body

{"comment":"Review API","minutes":60,"timeTypeDescription":"Code review","date":"2021-06-15","workItemId":1,"userName":"John Tester","userId":"3e949753-5d69-61a3-b513-76cc0505b28d","projectId":"31b3d8f8-1092-4f88-9847-7cc3b4f0eb9d", "userMakingChange":"Jane Developer"}

#### Response

Success: Http Status 201

Failure: Http Status 400

Response : Title: A brief reason for the failure

 Error: Number A unique error number

 Severity: Critical (3) Error (2) Warning (1) Information (0)

 Message: Detailed error

Header: “Location” the URL of the time log created

### Update Time Log

POST {RootURL}{organisationid}/timelog/{timeLogId}

Body

"comment" : The comment for the time logged (*Optional)*

"minutes" :  The number of minutes to log

"timeTypeDescription" : The description of the time type

"date" : The date the time log is for

"workItemId" : The Devops Workitem ID

"userName" : The name of the user the time is for

"userId" : The Devops User ID GUID of the user

"projectId" : The Devops project ID GUID of the workitem

"userMakingChange" : The name of the user updating the log

#### Example Body

{"comment":"Review API","minutes":60,"timeTypeDescription":"Code review","date":"2021-06-15","workItemId":1,"userName":"John Tester","userId":"3e949753-5d69-61a3-b513-76cc0505b28d","projectId":"31b3d8f8-1092-4f88-9847-7cc3b4f0eb9d", "userMakingChange":"Jane Developer"}

#### Response

Success: Http Status 201

Failure: Http Status 400

Response : Title: A brief reason for the failure

 Error: Number A unique error number

 Severity: Critical (3) Error (2) Warning (1) Information (0)

 Message: Detailed error

Header: “Location” the URL of the time log created

### Query Time Logs using GET

GET {RootURL}{organisationid}/timelog/query

Filter passed as query strings. Date values are in UTC

WorkItemId

FromDate

ToDate

CreatedOnFromDate

CreatedOnToDate

CreatedBy

UpdatedOnFromDate

UpdatedOnToDate

UpdatedBy

DeletedOnFromDate

DeletedOnToDate

DeletedBy

TimeTypeDescription

Week

UserId

TeamMembers : An array of GUID user ids

Use PageSize and Page for paging results

Page

PageSize

Note: Deleted records are only returned if one of the following filters is included:-

DeletedOnFromDate

DeletedOnToDate

DeletedBy

Example

GET {RootURL}{organisationid}/timelog/query?createdOnFromDate=2021-06-09T19:32:22.97&workitemId=2613

#### Response

Array of

TimeLogId

Comment

Week

TimeTypeDescription

Minutes

Date

UserId

UserName

WorkItemId

CreatedOn

UpdatedOn

#### Sample response

[

    {

        "timeLogId": "ca42579e-6a00-464c-bcaa-7987cbf374bb",

        "comment": "Hello, world",

        "week": "2020-W32",

        "timeTypeDescription": "Meetings",

        "minutes": 120,

        "date": "2020-08-04",

        "userId": "a96193a0-51e5-482b-9bcb-b1efcef4b170",

        "userName": "Unit Test",

        "workItemId": 3814,

        "createdOn": "2021-06-09T19:32:22.98",

     "createdBy": "John Tester",

        "updatedOn": "2021-06-09T19:32:23",

     "updatedBy": "Jane Developer",

        "deletedOn": null

        "deletedBy": null

    },

    {

        "timeLogId": "2cf1b4fe-f342-40be-bcf5-cc2f57c516bb",

        "comment": "Hello, world",

        "week": "2019-W39",

        "timeTypeDescription": "Meetings",

        "minutes": 120,

        "date": "2019-09-25",

        "userId": "a96193a0-51e5-482b-9bcb-b1efcef4b170",

        "userName": "Unit Test",

        "workItemId": 2613,

        "createdOn": "2021-06-09T19:32:22.98",

     "createdBy": "John Tester",

        "updatedOn": "2021-06-09T19:32:23",

     "updatedBy": "Jane Developer",

        "deletedOn": null

        "deletedBy": null

    }

]

Success: Http Status 200

Failure: Http Status 400

Sample Response :

{
"title": "The filter specified is not valid",
"error": {
        "number": 10005,
        "message": "The filter specfied is not valid. No filter specified",
        "severity": 2
    }
}

### Get TimeLog

GET {RootURL}{organisationid}/timelog/{timelogId}

#### Sample response

    {

        "timeLogId": "ca42579e-6a00-464c-bcaa-7987cbf374bb",

        "comment": "Hello, world",

        "week": "2020-W32",

        "timeTypeDescription": "Meetings",

        "minutes": 120,

        "date": "2020-08-04",

        "userId": "a96193a0-51e5-482b-9bcb-b1efcef4b170",

        "userName": "Unit Test",

        "workItemId": 3814,

        "createdOn": "2021-06-09T19:32:22.98",

     "createdBy": "John Tester",

        "updatedOn": "2021-06-09T19:32:23",

     "updatedBy": "Jane Developer",

        "deletedOn": null

        "deletedBy": null

    }

### Get TimeLog for Work Item

GET {RootURL}{organisationid}/timelog/workitem/{workItemId}

#### Sample response

Same as Query Time Logs

### Get TimeType

GET {RootURL}{organisationid}/timetype/{timetypeId}

#### Sample response

    {

        "timeTypeId": "ca42579e-6a00-464c-bcaa-7987cbf374bb",

        "description": "Development",

        "projectId": null for all projects id of the project if for a specific project,

    }

### Delete TimeType

DELETE {RootURL}{organisationid}/timetype/{timetypeId}

204 NoContent on success

### Correct/Obfuscate Username

It may be necessary to correct/remove the name of a user linked to Time Logs

POST {RootURL}{organisationid}/user/{userId}

Request Body

    {

        "userName": "Change user to this"

    }

200 OK on success