

The Jira worklog utility

The `jira_worklog` utility allows you to enter your Jira worklog entries as easy and simple as possible from the command line.

This utility will let you add your work log entries in less than 1s.

A quick status report for the last 30 days typically executes in less than 2-3 seconds, unless the Jira project contains thousands of entries.

All entries added to Jira will also be written to a local journal in CSV format.

This journal is used for status reports if you omit the `--issues` option.

You may use Excel to read the CSV format, specifying ';' as the delimiter.

Disclaimer: Network latency and the response time of Jira is the main culprit of any delays

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```
▶ # Add one day of work to Jira issue TIME-94
jira_worklog add -i time-94 -d 1d

# Give me status for the last 30 days for time-94 and time-40
jira_worklog status -i time-94 time-40
```


See the detailed examples below for more details.

Installation

Once you have downloaded and installed `jira_worklog` in your **path**. Like, for instance, `$HOME/.local/bin` :

1. Obtain a Jira API security token from:
 - i. Log in to Jira

- ii. Click on the picture of yourself in the upper right corner ("Your profile and settings")
- iii. Click "Manage account"
- iv. Click "Security"



ATLASSIAN Account
 Profile and visibility Email **Security** Account preferences Connected apps Link preferences Products

API Tokens

Create API token Revoke all API tokens

Your API tokens need to be treated as securely as any other password. You can only create a maximum of 25 tokens at a time.

New tokens may take up to a minute to work after they've been created.


We've updated our API token length

On Jan 18, 2023, we extended the length of API tokens for Atlassian accounts. This ensures your tokens are more secure and reliable. Tokens created before Jan 18, 2023 were not affected.

[Learn more](#)

Label	Created	Last accessed	Action
soc-confluence	1/25/2021	16 hours ago	Revoke

- v. Choose "Create and manage API tokens" almost at the bottom of the page
 - vi. Click "Create your API token" and copy the token to your clip board
2. Execute this command to create the configuration file:

```

# Creates the configuration file and stores your credentials in it
jira_worklog config --user steinar.cook@autostoresystem.com --token vbF*****E3
  
```

Using curl to verify your security token

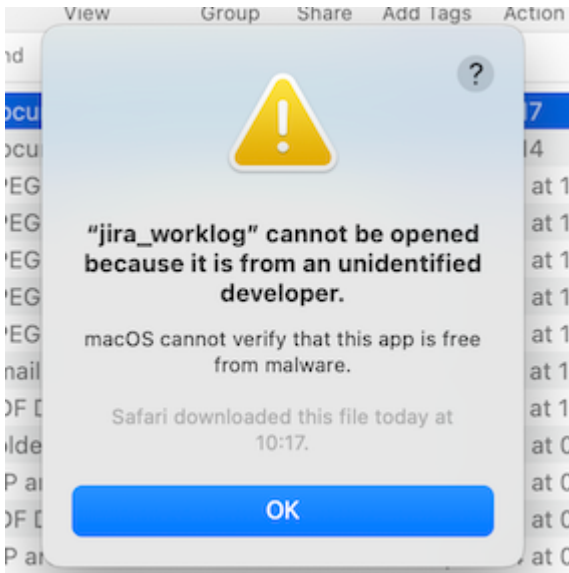
Here is how you can retrieve data from Jira using the curl utility from the command line:

```

curl --request GET \
  --url 'https://autostore.atlassian.net/rest/api/2/myself' \
  --user '<your email here>@autostoresystem.com:<paste your security token here>' \
  --header 'Accept: application/json'
  
```

Installing on MacOS

There are some extra security built into the macOS which prevents you from running potential malware. Consequently, you will see this error message if you attempt to run jira_worklog :



To fix this:

```
# Move to the directory where you installed
cd [to_the_directory_where_you_have_installed_jira_worklog]

chmod a+rx ./jira_worklog && xattr -d com.apple.quarantine ./jira_worklog
```

This should solve the problem.

Notes on security

The configuration file is stored without encryption in a location, which depends on the operating system you are using. See the table below for details.

If you think your machine has been compromised, go to Jira account ira and "Revoke" the API key.

You can remove your local configuration file using the command: `jira_worklog config --remove`

Operating system	Config file location
MacOs:	/Users/steinar/Library/Preferences/com.autostore.jira_worklog
Windows:	C:\Users\Alice\AppData\Roaming\com.autostore\jira_worklog\config
Linux:	/home/steinar/.config/jira_worklog

Examples

Here are some examples on how to use the utility.

Adding worklog entries

```

▶ # Registers 1 hour of work on TIME-94 with a comment
# The starting point will be current time less 1 hour
jira_worklog add -i time-94 -d 1h -c "I did some great work for AutoStore"

# Registers 1 hour of work on TIME-94 at 11:00 today without a comment
jira_worklog add -i time-94 -d 1h -s 11:00

# Registers 1 day of work (7.5h) on TIME-94, starting at 08:00 today, no comments
jira_worklog add -i time-94 -d 1d

# Registers 1 day (7.5 hours) of work starting at 08:00 today with no comment
jira_worklog add -i time-94 -d 1d

#
# Add 1d of work last friday, 1d of work on last thursday, 4h of work
# last Wednesday and 1,5h on last Tuesday
jira_worklog add -i time-94 -d Fri:1d Thu:1d Wed:4h Tue:1,5h

```

Given this command:

```

▶ jira_worklog add -i time-94 -d 13h -c "Meetings and managerial work"

```

You will get a receipt looking something like this:

```

▶ Adding single entry
Using these parameters as input:
    Issue: TIME-94
    Started: 2023-06-05T08:12:31.467244-06:00 (computed)
    Duration: 46800s
    Comment: Meetings and managerial work
Added work log entry Id: 217258 Time spent: 1d 5h 30m Time spent in seconds: 46800 Comment: Meetings ;

```

Status of your worklog entries

```

▶ #
# Shows the status from a given date
jira_worklog status -i time-40 time-147 time-117 -a 2023-05-01

```

This would give you something like this:

```

▶ Issue      IssueId Id      Weekday Started      Time spent Comment
TIME-117 167111 304691 Mon    2024-08-19 14:42 +0200 00:30
TIME-117 167111 305981 Wed     2024-08-28 08:36 +0200 01:00
TIME-117 167111 306255 Wed     2024-08-28 11:22 +0200 03:00
TIME-117 167111 309851 Tue     2024-09-03 08:00 +0200 07:30      Multi grid workshop in Haugesund
TIME-147 211874 309901 Mon     2024-09-02 08:00 +0200 07:30
TIME-147 211874 309995 Wed     2024-09-04 08:00 +0200 07:30      P0 role desc, DT architecture, tim
TIME-147 211874 310089 Thu     2024-09-06 01:21 +0200 07:30

```

TIME-147	211874	310499	Fri	2024-09-06	08:00	+0200	07:30	Admin work, DT migration planning
TIME-147	211874	310500	Fri	2024-09-06	08:00	+0200	03:00	jira_worklog
TIME-147	211874	310501	Sat	2024-09-07	08:00	+0200	03:00	jira_worklog
TIME-147	211874	310535	Sun	2024-09-08	07:43	+0200	01:00	Added monthly summary to worklog
TIME-40	85002	304588	Mon	2024-08-05	08:00	+0200	07:30	
TIME-40	85002	304589	Tue	2024-08-06	08:00	+0200	07:30	
TIME-40	85002	304590	Wed	2024-08-07	08:00	+0200	07:30	
TIME-40	85002	304591	Thu	2024-08-08	08:00	+0200	07:30	
TIME-40	85002	304592	Fri	2024-08-09	08:00	+0200	07:30	
TIME-40	85002	303933	Mon	2024-08-12	09:00	+0200	10:00	
TIME-40	85002	304329	Tue	2024-08-13	08:00	+0200	08:00	
TIME-40	85002	304330	Wed	2024-08-14	08:00	+0200	10:00	
TIME-40	85002	304331	Thu	2024-08-15	08:00	+0200	07:30	
TIME-40	85002	304431	Fri	2024-08-16	08:00	+0200	06:00	
TIME-40	85002	304593	Sun	2024-08-18	16:00	+0200	01:00	
TIME-40	85002	305844	Mon	2024-08-19	08:00	+0200	07:30	
TIME-40	85002	305845	Tue	2024-08-20	08:00	+0200	07:30	
TIME-40	85002	305846	Wed	2024-08-21	08:00	+0200	07:30	
TIME-40	85002	305847	Thu	2024-08-22	08:00	+0200	07:30	
TIME-40	85002	305848	Fri	2024-08-23	08:00	+0200	07:30	
TIME-40	85002	305849	Sun	2024-08-25	08:00	+0200	04:00	
TIME-40	85002	305850	Mon	2024-08-26	08:00	+0200	07:30	
TIME-40	85002	305852	Tue	2024-08-27	08:00	+0200	07:30	Strategy workshop
TIME-40	85002	305853	Tue	2024-08-27	08:00	+0200	03:00	Workshop part2
TIME-40	85002	306261	Wed	2024-08-28	10:26	+0200	04:00	Meetings about admin
TIME-40	85002	309850	Thu	2024-08-29	08:00	+0200	07:30	
TIME-40	85002	307325	Fri	2024-08-30	08:20	+0200	07:30	Walk and talk and product ownership

Date	Day	time-40	time-147	time-117	Total
2024-08-05	Mon	07:30	-	-	07:30
2024-08-06	Tue	07:30	-	-	07:30
2024-08-07	Wed	07:30	-	-	07:30
2024-08-08	Thu	07:30	-	-	07:30
2024-08-09	Fri	07:30	-	-	07:30
ISO Week 32		37:30	00:00	00:00	37:30

Date	Day	time-40	time-147	time-117	Total
2024-08-12	Mon	10:00	-	-	10:00
2024-08-13	Tue	08:00	-	-	08:00
2024-08-14	Wed	10:00	-	-	10:00
2024-08-15	Thu	07:30	-	-	07:30
2024-08-16	Fri	06:00	-	-	06:00
2024-08-18	Sun	01:00	-	-	01:00
ISO Week 33		42:30	00:00	00:00	42:30

Date	Day	time-40	time-147	time-117	Total
2024-08-19	Mon	07:30	-	00:30	08:00
2024-08-20	Tue	07:30	-	-	07:30
2024-08-21	Wed	07:30	-	-	07:30
2024-08-22	Thu	07:30	-	-	07:30
2024-08-23	Fri	07:30	-	-	07:30
2024-08-25	Sun	04:00	-	-	04:00
ISO Week 34		41:30	00:00	00:30	42:00

Date	Day	time-40	time-147	time-117	Total
2024-08-26	Mon	07:30	-	-	07:30
2024-08-27	Tue	10:30	-	-	10:30
2024-08-28	Wed	04:00	-	04:00	08:00
2024-08-29	Thu	07:30	-	-	07:30
2024-08-30	Fri	07:30	-	-	07:30
ISO Week	35	37:00	00:00	04:00	41:00
Date	Day	time-40	time-147	time-117	Total
2024-09-02	Mon	-	07:30	-	07:30
2024-09-03	Tue	-	-	07:30	07:30
2024-09-04	Wed	-	07:30	-	07:30
2024-09-05	Thu	-	07:30	-	07:30
2024-09-06	Fri	-	10:30	-	10:30
2024-09-07	Sat	-	03:00	-	03:00
2024-09-08	Sun	-	01:00	-	01:00
ISO Week	36	00:00	37:00	07:30	44:30

Create a status report from most used time codes

If you omit the `--issue` option, a list of unique time codes will be obtained from the local journal on your machine.

```
▶ jira_worklog status
```

Removing entries

We all make mistakes every now then. To remove an entry you need to specify the `issueId` or `key` and the `worklog id` :

```
▶ # Removes a work log entry for issue TIME-94 with worklog id of 216626
jira_worklog del -i time-94 -w 216626
```

The entry will also be removed from the local journal.

Listing all available time codes

If you want a complete list of all the available time codes:

```
▶ jira_worklog codes
```

Output:

```
TIME-164 ASIO - Sustaining
TIME-163 Service Vehicles - Sustaining
TIME-162 Service Wall - Sustaining
TIME-161 Amazon UWA6 - Customer Project
TIME-160 Cloud Infrastructure & DevOps
TIME-159 1214 Qubit Product Improvement 2024
TIME-158 1215 Robot Radio Wifi
TIME-157 1213 Green Train Release Spring 2025 - Test & Validation
TIME-156 1212 Green Train Release Spring 2025 - Cube Control Software
TIME-155 Travel
TIME-154 Product Management
TIME-153 Product Safety
TIME-152 Scalability - Sustaining
TIME-151 Log Analyzer - Sustaining
TIME-150 Facility Management
TIME-148 Training and Education
TIME-147 Administration
TIME-146 UX - Sustaining
TIME-145 Port Software - Sustaining
.....
```

Debug

A log-file is created behind the scenes if you use the `--verbosity` option, which allows for debugging:

```
► jira_worklog status -i time-40 -v debug
```

Output would look something like this:

```
► jira_worklog status -i TIME-40 -v debug
Version: 0.2.7
Logging to /var/folders/ll/ywcp72091yv33vkts306qs0r0000gn/T/jira_worklog.log
Issue   IssueId   Id       Weekday Started          Time spent
TIME-40  85002     304588   Mon    2024-08-05 08:00 +0200  07:30
TIME-40  85002     304589   Tue    2024-08-06 08:00 +0200  07:30
..... lots of data .....
```

You can specify one of `debug` , `info` , `warn` or `error`