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.

```
# 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 - time-94 time-40
```
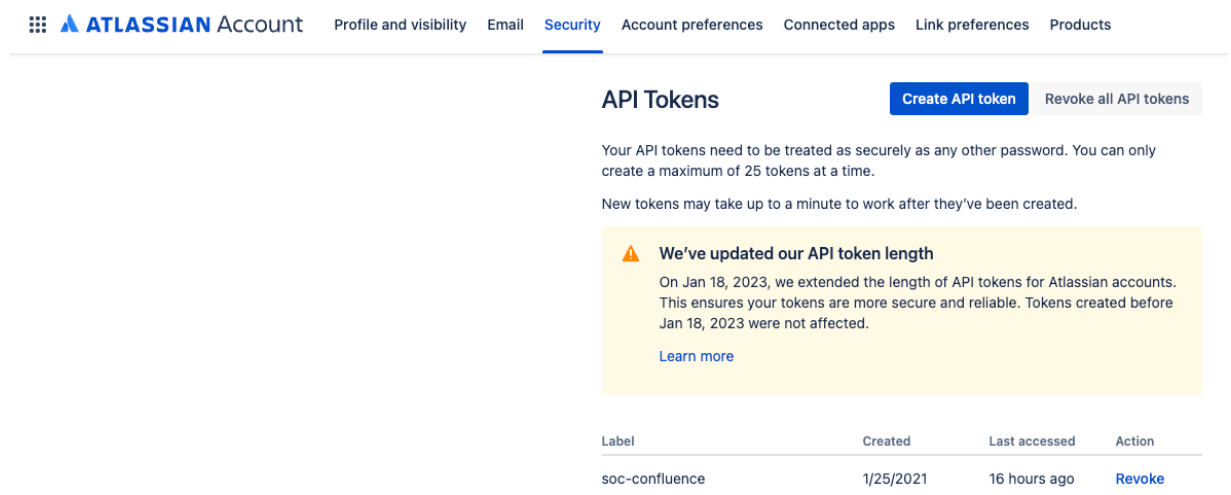
See the detailed examples below for more details.

Installation

Once you have downloaded and installed `jira_worklog` in your path:

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"

    v. Choose "Create and manage API tokens" allmost 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
```

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:
```

Status of your worklog entries

```
#
# Shows the status from a given date
jira_worklog status -i time-94 -a 2023-05-01
```

This would give you something like this:

```
Issue     IssueId    Id       Weekday Started                       Time spent
TIME-94   125425     215834   Tue     2023-05-02 11:04 -0600        08:30
TIME-94   125425     215835   Wed     2023-05-03 09:40 -0600        09:54
TIME-94   125425     215836   Thu     2023-05-04 14:04 -0600        05:30
TIME-94   125425     215837   Fri     2023-05-05 11:49 -0600        07:45
TIME-94   125425     215830   Mon     2023-05-08 12:03 -0600        07:30
TIME-94   125425     215831   Tue     2023-05-09 09:54 -0600        09:39
TIME-94   125425     215832   Wed     2023-05-10 12:03 -0600        07:30
TIME-94   125425     215833   Thu     2023-05-11 13:03 -0600        06:30
TIME-94   125425     215825   Tue     2023-05-23 09:03 -0600        10:00
TIME-94   125425     215826   Wed     2023-05-24 09:00 -0600        10:30
TIME-94   125425     214472   Thu     2023-05-25 08:00 -0600        09:30
TIME-94   125425     214471   Fri     2023-05-26 08:00 -0600        12:30
TIME-94   125425     214470   Sat     2023-05-27 08:00 -0600        03:30
TIME-94   125425     215824   Sun     2023-05-28 15:02 -0600        04:00
TIME-94   125425     216572   Mon     2023-05-29 08:00 -0600        01:00
TIME-94   125425     215827   Tue     2023-05-30 08:00 -0600        14:21
TIME-94   125425     215828   Wed     2023-05-31 08:00 -0600        14:15
TIME-94   125425     215829   Thu     2023-06-01 06:47 -0600        12:45

TIME-94   125425     216585   Fri     2023-06-02 13:08 -0600        07:00

CW Date        Day Duration
18 2023-05-02 Tue 08:30
18 2023-05-03 Wed 09:54
18 2023-05-04 Thu 05:30
18 2023-05-05 Fri 07:45
----------------------
ISO week 18, sum: 31:39
======================

19 2023-05-08 Mon 07:30
19 2023-05-09 Tue 09:39
19 2023-05-10 Wed 07:30
19 2023-05-11 Thu 06:30
----------------------
ISO week 20, sum: 31:09
======================
```

```
21 2023-05-23 Tue 10:00
21 2023-05-24 Wed 10:30
21 2023-05-25 Thu 09:30
21 2023-05-26 Fri 12:30
21 2023-05-27 Sat 03:30
21 2023-05-28 Sun 04:00
-----------------------
ISO week 21, sum: 50:00
=======================

22 2023-05-29 Mon 01:00
22 2023-05-30 Tue 14:21
22 2023-05-31 Wed 14:15
22 2023-06-01 Thu 12:45
22 2023-06-02 Fri 07:00
-----------------------
ISO week 22, sum: 49:21
=======================


May        142:24
```

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`:

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