

PYTHON: Get data from Curl / Request URL and save to MySQL database

Simple python script to retrieve data from API and then saving to DB.

- Documentation for API https://api.avaza.com/swagger/ui/index#!/Timesheet/Timesheet_Get
Only call that are needed is GET /api/TimeSheet
- Library to use for connecting to DB:
`import mysql.connector`
- Script need to be able to run with:

```
if __name__ == '__main__':  
    date_start = '2020-10-01'  
    date_end = '2020-10-27'  
    main_script(date_start, date_end)
```

Script:

1. Load .json for selected dates AND "pageSize==1000"
2. Read that .json into python
 - If "TotalCount" > 1000, return Error message
3. For each row/entry:
If DB already have entry with same "TimesheetEntryID"
Update that row
Else
Add row to DB

DB to save to:

```
CREATE TABLE `avaza_timesheet` (  
  `timesheet_entry_id` int(10) unsigned NOT NULL,  
  `user_idkf` int(11) DEFAULT NULL,  
  `firstname` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `lastname` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `project_idkf` int(11) DEFAULT NULL,  
  `project_title` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `customer_idkf` int(11) DEFAULT NULL,  
  `customer_name` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `timesheet_category_idkf` int(11) DEFAULT NULL,  
  `category_name` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `duration` double DEFAULT NULL,  
  `entry_date` datetime DEFAULT NULL,  
  `avaza_timesheetcol` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `notes` text COLLATE utf8mb4_unicode_ci,  
  `task_idkf` int(11) DEFAULT NULL,  
  `task_title` varchar(255) COLLATE utf8mb4_unicode_ci DEFAULT NULL,  
  `date_created` datetime DEFAULT NULL,  
  `date_updated` datetime DEFAULT NULL,  
  PRIMARY KEY (`timesheet_entry_id`),  
  UNIQUE KEY `timesheet_entry_id_UNIQUE` (`timesheet_entry_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
```