**Salary Slip Generator User Manual**

Version 1.0

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Date: 2019/03/25

Prerequisites:

* Python3 should be configure in the server
* MYSQL should be configure in the server
* ‘mysql-connector-python’ module should be installed.

Run:

cd SalarySlipGenerator

python3 salary\_slip\_generator.py

**Special Note:**

* Passwordless ssh should be configure to each user’s environment.
* Configuration file location should be specified in the SalarySlipGenerator -> components -> read\_config\_file.py -> ‘config\_file\_location’ variable.
* Configuration file name should be specified in the SalarySlipGenerator -> components -> read\_config\_file.py -> ‘iniFileName’ variable.
* CSV file name should be as *username\_yearMonthLastdate.csv*
  + E.g: If username is nimeshikar, csv file name for the month February – nimeshikar\_20190228.csv
* CSV file format should be as per the given example.

Running script on 25th of each month

In management server:

crontab -e

0 0 25 0 0 python3 ~/ SalarySlipGenerator/salary\_slip\_generator.py

0 0 25 0 0 => Run on 25th of each month 12.00 AM

Database Structure

* EMPLOYEE\_SALARY – Table to store the total salary details for each month

"CREATE TABLE EMPLOYEE\_SALARY (USER\_NAME VARCHAR (255) NOT NULL, EMAIL VARCHAR (255) NOT NULL, FULL\_NAME VARCHAR (255) NOT NULL, OT\_HOURS INTEGER DEFAULT 0, ONCALL\_HOURS INTEGER DEFAULT 0, ALLOWANCE DOUBLE, TOTAL DOUBLE, MONTH INTEGER, PRIMARY KEY (USER\_NAME, MONTH)) ENGINE INNODB;"

* DAILY\_SALARY – To store each day working details (OT hours, On Call Hours etc)

"CREATE TABLE DAILY\_SALARY (USER\_NAME VARCHAR (255) NOT NULL, OT\_HOURS INTEGER DEFAULT 0, ONCALL\_HOURS INTEGER DEFAULT 0, OT\_ALLOWANCE DOUBLE, ONCALL\_ALLOWANCE DOUBLE, DATE\_M DATE, PRIMARY KEY (USER\_NAME, DATE\_M)) ENGINE INNODB;"

Configuration file

**SalarySlipGenerator/src/Employee\_Configs.ini**

* Adding New Users
  1. Add user name under section ‘EMPLOYEES’ option ’employee\_names’ separated by a comma
  2. Add ssh string to the employee’s environment under section ‘EMPLOYEES\_SSH\_STRINGS’. The option should be same as the username.
* Specify manager’s details under section ‘MANAGER\_DETAILS’
* Specify the MySQL databse username, password and database name under section ‘DATABASE’
* ‘PATHS’ section
  + log\_path – logs files are created here
  + user\_csv\_location – csv file location in the user’s own environment
  + management\_csv\_location – csv files copied into this location in the management server
  + src\_files – location for the csv file checker script

[SALARY\_RATES]

ot\_per\_hour = 1000

on\_call\_per\_hour = 500

[MANAGER\_DETAILS]

email\_sender = abc.finance9@gmail.com

name = "Nimal Perera"

email = NRanasinghe@lseg.com

[EMPLOYEES]

employee\_names = hasitha, nimeshikar, nipuna

[EMPLOYEES\_SSH\_STRINGS]

#hasithw = hasith@172.25.93.35

#nimeshikar = sgxi14@172.25.93.31

hasitha = hasitha@172.25.254.250

nimeshikar = nimeshikar@172.25.254.250

nipuna = nipuna@172.25.254.250

[DATABASE]

host = localhost

database = abcfinance

user = root

password = nimz@12345

[FILE\_NAMES]

file\_checker = check\_csv.sh

[PATHS]

log\_path = /home/tony/Assignment/logs

user\_csv\_location = ~/data/salary/

#user\_csv\_location = ~/nimeshikar/sal\_reports/

management\_csv\_location = /home/tony/Assignment/salary\_csv

src\_files = /home/tony/Assignment/SalarySlipGenerator/src