App_A data sync App_B via csv Reports

2026

Generate file.csv file.

1

Generate the file.csv file from application A, from which the two databases named masterfile_IRA and masterfile_IRD are obtained.

masterfile_IRA: contains the email addresses of the IRAs with their associated territory.

masterfile_IRD: contains the email addresses of the IRDs with their respective associated territory.

	A	B	C	D
1	territorio	Username	E-mail	Status
2	IRA_XX1	J1samp1	Jhon1.sample1@sample.com	Active
3	IRA_XX2	J1samp2	Jhon1.sample2@sample.com	Active
4	IRA_XX3	J1samp3	Jhon1.sample3@sample.com	Active
5	IRA_XX4	J1samp4	Jhon1.sample4@sample.com	Active
6	IRA_XX5	J1samp5	Jhon1.sample5@sample.com	Active
7	IRA_XX6	J1samp6	Jhon1.sample6@sample.com	Active
8	IRA_XX7	J1samp7	Jhon1.sample7@sample.com	Active
9	IRA_XX8	J1samp8	Jhon1.sample8@sample.com	Active
10	IRA_XX9	J1samp9	Jhon1.sample9@sample.com	Active
11	IRD_XX1	J1samp10	Jhon1.sample10@sample.com	Active
12	IRD_XX2	J1samp11	Jhon1.sample11@sample.com	Active

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Generate file2.csv file.

2

Generate the file file2.csv from application A, from which the two databases named data_IRA and data_IRD are obtained.

data_IRA: contains the Pos code with its associated IRA territory.

data_IRD: contains the Pos code with its associated IRD territory.

	A	B	C
1	Account Commercial UUID	TERRITORY	TERRITORY_ACTIVATOR
2	USXXXXX1	IRD_XX1	IRA_XX1IRA_XX2
3	USXXXXX2	IRD_XX2	IRA_XX2
4	USXXXXX3	IRD_XX3	IRA_XX3IRA_XX2
5	USXXXXX4	IRD_XX4	IRA_XX4
6	USXXXXX5	IRD_XX5	IRA_XX5
7	USXXXXX6	IRD_XX6	IRA_XX6
8	USXXXXX7	IRD_XX7	IRA_XX7
9	USXXXXX8	IRD_XX8	IRA_XX8
10	USXXXXX9	IRD_XX9	IRA_XX9
11	USXXXXX10	IRD_XX10	IRA_XX1

Generate file3.csv file.

3

Generate the file3.csv file from application B. This produces the database called POS, which is used to verify and filter the POs from the data_IRA and data_IRD databases, so that only the POs that exist in POS database remain in data database

data_IRA_checked: data_IRA filtered with POS database

data_IRD_checked: data_IRD filtered with POS database

	A	B	C
1	Id	ISMS Code	Reev ID
2	1	USXXXXX1	USXXXXX1
3	2	USXXXXX2	USXXXXX2
4	3	USXXXXX3	USXXXXX3
5	4	USXXXXX4	USXXXXX4
6	5	USXXXXX5	USXXXXX5
7	6	USXXXXX6	USXXXXX6

Generate file4.csv file.

4

Generate the file4.csv file from application B. This produces the database called users, which is used to verify and filter the users from the masterfile_IRA and masterfile_IRD databases, so that only the users that exist in users database remain in masterfile database

masterfile_IRA_checked: masterfile_IRA filtered with users database

masterfile_IRD_checked: masterfile_IRD filtered with users database

	A	B
1	Email	UserName
2	J1samp1@sample.net	J1samp1
3	J1samp2@sample.net	J1samp2
4	J1samp3@sample.net	J1samp3
5	J1samp4@sample.net	J1samp4
6	J1samp5@sample.net	J1samp5
7	J1samp6@sample.net	J1samp6
8	J1samp7@sample.net	J1samp7
9	J1samp8@sample.net	J1samp8
10	J1samp9@sample.net	J1samp9
11	J1samp10@sample.net	J1samp10
12	J1samp11@sample.net	J1samp11
13	J1samp12@sample.net	J1samp12

Generate file5.csv file.

5 Generate the file5.csv file from application B. This produces the database called pos_users, that contains the users with its associated Pos.

	A	B
1	ISMS Code	User email
2	USXXXXX1	J1samp1@sample.net
3	USXXXXX2	J1samp2@sample.net
4	USXXXXX3	J1samp3@sample.net
5	USXXXXX4	J1samp4@sample.net
6	USXXXXX5	J1samp5@sample.net
7	USXXXXX6	J1samp6@sample.net
8	USXXXXX7	J1samp7@sample.net
9	USXXXXX8	J1samp8@sample.net
10	USXXXXX9	J1samp9@sample.net

Run the Program.

6 Type "python main2.py" in the CMD prompt. This will generate two files, IRA_update.csv and IRD_update.csv, which will be used to update Application B to sync with Application A.

Notes:

pre-requisites

- Install Python.
- Install the Pandas library. (pip install pandas)

This program is written under the MIT license.

Fictitious data was used to test this program; no private or confidential data from any company was used for these tests.

For more information, check out this project's GitHub page.

xpresscat/App_A-data-sync-App_B-via-csv-Reports: App_A data sync App_B via csv Reports

Thank you.