**Explanation of columns in wipay\_backup\_tables:**

1. **wbt\_source\_table**

* Predefined in the table manually
* This column stores the required table to which the backup is needed
* **eg**: request

1. **wbt\_dest\_table**

* Predefined in the table manually
* This column stores the table which we used to insert the backup data.
* **eg**: request\_history

1. **wbt\_status**
   * Predefined in the table manually.
   * This column describes whether the backup is needed or not.
   * **eg**: Stored in the form of **Y - Proceed** or **N – no need for backup**
2. **wbt\_backup\_before\_days**

* Predefined in the table manually. It says that how many days before the data need to be taken for backup.
* **For eg:** wbt\_backup\_before\_days for **request table is 185 days** which explains that, before 185 days data need to be taken for backup .
* **For example,** today date is 04/01/2022 [DD/MM/YYYY]. So from present day – 185 days = 03/07/2021 [[DD/MM/YYYY]. From this day to present day data will be left only in request table. Remaining data i.e., before 03/07/2021 data is taken for backup and deleted if needed.

1. **wbt\_source\_table\_last\_ts**

* Present date - wbt\_backup\_before\_days.
* This timestamp is updated automatically when the backup is done. It updates the timestamp of the table last updated time.
* **For eg:** when we run this program today i.e., 04/01/2022 [DD/MM/YYYY]. For request table, the wbt\_source\_table\_last\_ts will be 03/07/2021 [04/07/2021– 185 days].

1. **wbt\_timestamp**
   * This timestamp is updated automatically when the backup is done. It updates with the current date of when the program is executed or ran.
   * **For eg:** if we run the program today i.e., 04/01/2022 [DD/MM/YYYY] , then the wbt\_timestamp will be updated with present date i.e., 04/01/2022 [DD/MM/YYYY]
2. **wbt\_delete\_source**

* It is updated manually. Stored in the format of Y or N.
* If it is ‘Y’, then it tells that after the backup is done then delete the data in the source table day wise. Else if it is ‘N’, then it will not delete the data even after backup is done.

1. **wbt\_source\_ts\_index\_coulmn**

* It is updated in the table manually.
* This column is used to store the time stamps of each source table. Based on this index column in source table, backup is done into the destination table.
* **For eg:** the index column in the request table is ‘time\_of\_req’. So based on these timestamp, the backup is done.

1. **wbt\_day\_of\_the\_month:**

* It is updated in the table manually.
* This column explains that, exactly what date in the month we need to take the backup of a table. It consists of different dates for the source tables.
* **For eg:** the wbt\_day\_of\_the\_month for the request table is 4, so exactly 4th of every month backup for the request table is done. If the wbt\_day\_of\_the\_month value is ‘-1’, then it represents the day wise backup i.e., backup of the tables is done daily when wbt\_day\_of\_the\_month = -1.

1. **wbt\_backup\_type**

* It is updated in the table manually.
* This column tells whether the backup is to be done in separate table in a database or in a csv format. If it is ‘DB’ then backup is done another table. If it is ‘CSV’ then backup is done in csv format. If it is ‘ALL’, then backup is done in both table and in csv file.
* **For eg:** for request table, backup is done in a separate table viz., request\_history. For request\_temp table it is done in csv format.

1. **wbt\_csv\_location**

* It is updated in the table manually.
* It stores the csv file location where the backup of each table is done.
* For eg, the csv file location of the request\_temp table is “/data2/MONTHLY\_BACKUP\_CSV/WIPAY\_DATABASE\_BACKUP/WiPayDBMaintenance/RequestTemp”.

**Tabular Explanation:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **wbt\_source\_table** | **wbt\_source\_table\_last\_ts**  **[ Minimum time stamp of the table]** | **wbt\_timestamp**  **[Current timestamp when the backup is done. Max timestamp]** | **wbt\_backup\_before\_days** | **wbt\_day\_of\_the\_month** |
| wipay\_request\_response\_w | 4/24/2022 12:00:00 AM  *[Here in this table, the data exists only from this date. Remaining data is taken backup]* | 4/26/2022 12:13:40 AM | 2  *[Here we only keep 2 days of data from the backup date (the time when the backup is done) in the original table. Remaining days data is taken as backup]* | -1  *[This means backup of this table is done daily]* |
| wipay\_action | 04/19/2022 00:00:00 AM | 04/26/2022 00:25:38 | 7 | -1 |
| request\_temp | 4/19/2022 12:00:00 AM | 4/26/2022 12:13:35 AM | 7 | -1 |
| sub\_mobile\_users\_history | 2/25/2022 12:00:00 AM | 4/26/2022 12:10:03 AM | 60  *[Here we only keep 60 days (app. 2 months) of data from the backup date (the time when the backup is done) in the original table. Remaining days data is taken as backup]* | -1 |
| uc\_sms\_request | 4/19/2022 12:00:00 AM | 4/26/2022 12:11:11 AM | 7 | -1 |
| failure\_request | 4/19/2022 12:00:00 AM | 4/26/2022 12:11:11 AM | 7 | -1 |
| wipay\_actions\_day | 3/1/2022 12:00:00 AM | 4/8/2022 12:10:03 AM | 38  *[Here we only keep 38 days (app. 5 weeks) of data from the backup date (the time when the backup is done) is left in the original table. Remaining data is taken as backup]* | 8  *[This means backup of this table is done on 8th date of Every month]* |
| uniq\_daily\_summary | 3/1/2022 12:00:00 AM | 4/8/2022 12:10:03 AM | 38 | 8 |
| wipay\_avgs | 3/1/2022 12:00:00 AM | 4/8/2022 12:10:03 AM | 38 | 8 |
| same\_day\_churns | 3/1/2022 12:00:00 AM | 4/8/2022 12:10:03 AM | 38 | 8 |
| daily\_summary | 3/1/2022 12:00:00 AM | 4/8/2022 12:10:03 AM | 38 | 8 |
| day\_of\_week\_avg | 11/26/2017 12:00:00 AM | 1/3/2018 9:12:38 AM | 38 | -1 |
| request | 10/1/2021 12:00:00 AM | 4/4/2022 12:28:46 AM | 185  *[Here we only keep 185 days (app. 6 months) of data from the backup date (the time when the backup is done) in the original table. Remaining data is taken as backup]* | 4  *[This means backup of this table is done on 4th date of Every month]* |
| request | 4/1/2022 12:00:00 AM | 4/12/2022 12:10:21 AM | 11  *[Here we only keep 11 days of data from the backup date (the time when the backup is done) in the original table. Remaining data is taken as backup]* | 12  *[This means backup of this table is done on 12th date of Every month]* |
| sms\_history | 4/19/2022 12:00:00 AM | 4/26/2022 12:19:30 AM | 7  *[Here we only keep 7 days (1 week) of data from the backup date (the time when the backup is done) in the original table. Remaining data is taken as backup.]* | -1 |