**CURRENT STATUS OF THE SQL QUERIES EXECUTED IN HUE**

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# OVERVIEW

The queries that were tested in Hue are primarily standard operational SQL queries that are fundamentally used (in DBeaver) to perform ***CCR Data Corrections*** and general ***Bureau Reject Investigations*** on a daily ‘**Business as Usual’** (BAU) basis. The queries have been retained in their pristine form and at most only a single account was tested (at a time) for all the queries for now; similar to the preliminary and second round reports that were created earlier. This short report firstly presents the *outcomes* obtained after executing these regular queries in a brief manner. Thereafter, it renders the incumbent *key findings* in this overall endeavor.

# REPRESENTATION CRITERIA FOR THE QUERY SCRIPTS

So, all the four portfolios were once again taken into consideration for this third version in such a manner that all the different table types under each portfolio covering various relevant *analytical aspects* get included in a *systematic order* (replicating the current DBeaver setup) with newly available tables shown separately (starting from the point where the previous report’s list ended) to annotate their recent addition (Refer to the earlier versions (version 1 & 2) as well for more details). A particular table or relation under a portfolio has again been included only once, or in other words, the tables (table names) under a portfolio are distinct here with *no duplicates* or *repetition*. All the previously unavailable tables are now available, and this has been duly demonstrated via all the query scripts across the portfolios. So, in a nutshell, we have built onto the work done previously while adding and/or modifying the details (to reflect the updates noticed) and thereby transforming the overall information accordingly in that process.

# CC TESTING

*/\* OVERVIEW :-*

*SO, OUT OF THE 16 TABLES REGULARLY USED IN THE CRDH PROD STORAGE*

*FOR THIS PORTFOLIO (DBEAVER),*

*ALL ARE NOW AVAILABLE.*

*IN TOTALITY, 7 RAN SUCCESSFULLY (OUTBOUND, RESPONSE, DEFAULT CORRECTED,*

*SURROGATE KEY, AUDIT BATCH, CORRECTION STORE CRB LATEST, AND REMOVAL STORE LATEST).*

*THE REST 9 FAILED DUE TO VARIOUS REASONS WITH THE MAIN REASON BEING*

*THE EXISTENCE OF UNPROCESSED COMPLEX DATATYPES LIKE ARRAYS & STRUCTS.*

*\*/*

**-- 1) SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select account\_number, account\_sub\_id, open\_date, closed\_date, rhi\_period\_1,

rhi\_repayment\_history\_status\_1, rhi\_period\_2,

rhi\_repayment\_history\_status\_2, rhi\_period\_3, rhi\_repayment\_history\_status\_3,

rhi\_period\_4, rhi\_repayment\_history\_status\_4, rhi\_period\_5,

rhi\_repayment\_history\_status\_5, rhi\_period\_6, rhi\_repayment\_history\_status\_6,

rhi\_period\_7, rhi\_repayment\_history\_status\_7, rhi\_period\_8,

rhi\_repayment\_history\_status\_8, rhi\_period\_9, rhi\_repayment\_history\_status\_9,

rhi\_period\_10, rhi\_repayment\_history\_status\_10, rhi\_period\_11,

rhi\_repayment\_history\_status\_11, rhi\_period\_12, rhi\_repayment\_history\_status\_12,

rhi\_period\_13, rhi\_repayment\_history\_status\_13, rhi\_period\_14,

rhi\_repayment\_history\_status\_14, rhi\_period\_15, rhi\_repayment\_history\_status\_15,

rhi\_period\_16, rhi\_repayment\_history\_status\_16, rhi\_period\_17,

rhi\_repayment\_history\_status\_17, rhi\_period\_18, rhi\_repayment\_history\_status\_18,

rhi\_period\_19, rhi\_repayment\_history\_status\_19, rhi\_period\_20,

rhi\_repayment\_history\_status\_20, rhi\_period\_21, rhi\_repayment\_history\_status\_21,

rhi\_period\_22, rhi\_repayment\_history\_status\_22, rhi\_period\_23,

rhi\_repayment\_history\_status\_23, rhi\_period\_24, rhi\_repayment\_history\_status\_24

from ipds\_cc.snap\_source\_corrected\_cc\_latest where account\_number = '456469XXXXXX9276';

**-- 2) SNAP SOURCE LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select \* from ipds\_cc.snap\_source\_cc\_latest where account\_number='407220XXXXXX2152';

**-- 3) OUTBOUND (S, 14M & 29S TO RUN ON HUE BUT ONLY 56S ON DBEAVER)**

select \* from ipds\_cc.ipds\_cards\_outbound

where process\_date between '2020-06-07' and '2022-06-07'

and account\_number='407220XXXXXX1823';

**-- 4) DEFAULT MASTER (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from ipds\_cc.default\_master\_cc where account\_number = '456469XXXXXX2860';

--select \* from ipds\_cc.default\_master\_cc

--where account\_id.account\_number = '456469XXXXXX2860';

--select account\_id.account\_number AS ACCT\_NO

--from ipds\_cc.default\_master\_cc

--where process\_date between '2022-06-01' and '2022-06-07';

**-- 5) DEFAULT CORRECTED (S, 36.84S TO RUN ON HUE BUT ONLY 6S ON DBEAVER)**

select \* from ipds\_cc.lkp\_acc\_def\_det\_corr\_cc\_latest

where account\_number IN ('456462XXXXXX2331');

**-- 6) CRB SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select 'Eq', \* from ipds\_cc.crb\_snap\_corr\_cc\_equifax\_latest

where account\_number = '546827XXXXXX1484'

UNION

select 'EX',\* from ipds\_cc.crb\_snap\_corr\_cc\_experian\_latest

where account\_number='456469XXXXXX8484'

UNION

select 'I',\* from ipds\_cc.crb\_snap\_corr\_cc\_illion\_latest

where account\_number in ('546827XXXXXX2059')

**-- 7) SURROGATE KEY (S, 37.19S TO RUN ON HUE BUT ONLY 4S ON DBEAVER)**

select \* from ipds.acct\_surrogate\_key where account\_number='546827XXXXXX2059';

**-- 8) INTERFACES (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from interfaces.creditcard\_accounts\_if\_snapshot

where key\_account\_number='456468XXXXXX3863'

and process\_date between '2022-03-04' and '2022-06-06';

--select \* from interfaces.creditcard\_accounts\_if\_snapshot

--where key.account\_number='456468XXXXXX3863'

--and process\_date between '2022-03-04' and '2022-06-06'

--limit 4;

**-- 9) RESPONSE (S, 2M & 26S TO RUN FOR SINGLE AND 4M & 36S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 2M & 26S, DBEAVER: 26S)*

select 'Eq', \* from ipds\_cc.ipds\_response\_equifax\_cc

where accountid\_accountnumber = '546827XXXXXX2042'

and process\_date between '2021-01-02' and '2022-05-31';

*-- ALL CRBs (HUE: 4M & 36S, DBEAVER: 34S)*

select 'Eq', \* from ipds\_cc.ipds\_response\_equifax\_cc

where accountid\_accountnumber = '546827XXXXXX2042'

and process\_date between '2021-01-02' and '2022-05-31'

UNION

select 'EX', \* from ipds\_cc.ipds\_response\_experian\_cc

where accountid\_accountnumber = '546827XXXXXX2042'

and process\_date between '2021-01-02' and '2022-05-31'

UNION

select 'I', \* from ipds\_cc.ipds\_response\_illion\_cc

where accountid\_accountnumber = '546827XXXXXX2042'

and process\_date between '2021-01-02' and '2022-05-31'

**-- 10) CORRECTION STORE LATEST (F, 0 RESULTS, PROBABLY BECAUSE PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

Select \* from ipds\_cc.corr\_store\_src\_cc\_latest

where account\_number = '546827XXXXXX2059'

--Select \* from ipds\_cc.corr\_store\_src\_cc\_latest

--where process\_date = '2022-04-28'

**-- 11) EVENTS (F, STRUCT PRESENT FOR ACCT\_NO)**

select 'Eq', \* from ipds\_cc.crb\_events\_cc\_equifax where account\_number='456469XXXXXX4546'

and process\_date between '2021-01-10' and '2022-06-15'

UNION

select 'EX', \* from ipds\_cc.crb\_events\_cc\_experian where account\_number='456469XXXXXX4546'

and process\_date between '2021-01-10' and '2022-06-15'

UNION

select 'I', \* from ipds\_cc.crb\_events\_cc\_illion where account\_number='456469XXXXXX4546'

and process\_date between '2021-01-10' and '2022-06-15'

**-- 12) AUDIT STORE (F, BATCH\_DATE FIELD MISSING)**

select 'Eq', \* from ipds\_cc.audit\_acct\_cc\_equifax

where batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'EX', \* from ipds\_cc.audit\_acct\_cc\_experian

where batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'I', \* from ipds\_cc.audit\_acct\_cc\_illion

where batch\_date between '2021-01-20' and '2022-06-15'

order by batchid desc

**-- 13) EXCLUSION REGISTER (F, 0 RESULTS, POINTING TO THE WRONG SCHEMA - FCT\_REF INSTEAD OF IPDS\_CCR)**

select \* from fct\_ref.lkp\_ipds\_exclusion\_register

where account\_number = '456469XXXXXX9776'

-- select \* from ipds\_ccr.lkp\_ipds\_exclusion\_register

-- where account\_number = '456469XXXXXX9776'

**-- 14) AUDIT BATCH (S, 22.48S TO RUN FOR SINGLE AND 1M & 6S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 22.48S, DBEAVER: 11S)*

select 'Eq', \* from ipds.audit\_batch\_cc\_equifax

where batch\_date between '2022-08-20' and '2022-08-26'

*-- ALL CRBs (HUE: 1M & 6S, DBEAVER: 14S)*

select 'Eq', \* from ipds.audit\_batch\_cc\_equifax

where batch\_date between '2022-08-20' and '2022-08-26'

UNION

select 'EX',\* from ipds.audit\_batch\_cc\_experian

where batch\_date between '2022-08-20' and '2022-08-26'

UNION

select 'I',\* from ipds.audit\_batch\_cc\_illion

where batch\_date between '2022-08-20' and '2022-08-26'

**-- 15) CORRECTION STORE CRB LATEST (S, 4.69S TO RUN FOR SINGLE AND 1M & 34S FOR ALL THREE CRBS IN HUE)**

*-- SINGLE CRB (HUE: 4.69S, DBEAVER: 10S)*

select 'Eq', \* from ipds\_cc.corr\_store\_crb\_cc\_equifax

where process\_date >= '2022-07-01'

--select 'Eq', \* from ipds\_cc.corr\_store\_crb\_cc\_equifax

--where account\_number = '456468XXXXXX4097'

*-- ALL CRBs (HUE: 1M & 34S, DBEAVER: 13S)*

select 'Eq', \* from ipds\_cc.corr\_store\_crb\_cc\_equifax

where process\_date >= '2022-07-01'

UNION

select 'Ex', \* from ipds\_cc.corr\_store\_crb\_cc\_experian

where process\_date >= '2022-07-01'

UNION

select 'I', \* from ipds\_cc.corr\_store\_crb\_cc\_illion

where process\_date >= '2022-07-01'

**-- 16) REMOVAL STORE LATEST (S, 24.86S TO RUN ON HUE BUT ONLY 11S ON DBEAVER)**

select \* from ipds\_cc.correction\_store\_removal\_cc

where account\_number = '456462XXXXXX0427'

and process\_date between '20220809' and '20220810'

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***ALL THE TABLES COULD NOW BE LOCATED IN HUE, ALTHOUGH NOT IN THEIR PERFECT SHAPE OR FORM.***

***THIS IS PRIMARILY BECAUSE A FEW TABLES HAVE INCORRECT SCHEMAS ASSOCIATED WITH THEM. \*/***

# HL TESTING

*/\* OVERVIEW:-*

*SO, OUT OF THE 15 TABLES REGULARLY USED IN THE CRDH PROD STORAGE*

*FOR THIS PORTFOLIO (DBEAVER),*

*ALL ARE NOW AVAILABLE.*

*SO, ALL IN ALL, ONLY 5 RAN SUCCESSFULLY (OUTBOUND, RESPONSE TABLE,*

*DEFAULT CORRECTED, AUDIT BATCH, AND REMOVAL STORE LATEST).*

*HENCE, THE REST FAILED DUE TO VARIOUS REASONS WITH THE MAIN REASON BEING*

*THE EXISTENCE OF UNPROCESSED COMPLEX DATATYPES LIKE ARRAYS & STRUCTS.*

*\*/*

**-- 1) OUTBOUND (S, 12M & 31S TO RUN)**

select \* from ipds\_hl.ipds\_loans\_outbound\_hl

where process\_date between '2021-06-09' and '2022-06-09'

and account\_number='681607739';

**-- 2) DEFAULT MASTER (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from ipds\_hl.def\_master\_hl where account\_number='620663972';

--select \* from ipds\_hl.def\_master\_hl

--where account\_id.account\_number='620663972';

**-- 3) INTERFACES (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from interfaces.loan\_accounts\_interface\_snapshot

where process\_date between '2022-05-09' and '2022-06-09'

and key\_account\_number='620663972';

--select \* from interfaces.loan\_accounts\_interface\_snapshot

--where process\_date between '2022-05-09' and '2022-06-09'

--and key.account\_number='620663972';

--limit 4;

**-- 4) RESPONSE (S, 3M & 21S TO RUN FOR SINGLE AND 5M & 33S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 3M & 21S, DBEAVER: 35S)*

select 'Eq', \* from ipds\_hl.ipds\_response\_equifax\_hl

where accountid\_accountnumber in ('678458349')

and process\_date between '2021-01-26' and '2022-05-26';

*-- ALL CRBs (HUE: 5M & 33S, DBEAVER: 44S)*

select 'Eq', \* from ipds\_hl.ipds\_response\_equifax\_hl

where accountid\_accountnumber in ('678458349')

and process\_date between '2021-01-26' and '2022-05-26'

UNION

select 'EX', \* from ipds\_hl.ipds\_response\_experian\_hl

where accountid\_accountnumber in ('678458349')

and process\_date between '2021-01-26' and '2022-05-26'

UNION

select 'I', \* from ipds\_hl.ipds\_response\_illion\_hl

where accountid\_accountnumber in ('678458349')

and process\_date between '2021-01-26' and '2022-05-26'

**-- 5) SNAP SOURCE LATEST (F, STRUCT PRESENT FOR ACCT\_NO AND ARRAY ALSO PRESENT)**

select\* from ipds\_hl.snap\_src\_hl\_latest where account\_number='681607739'

**-- 6) DEFAULT CORRECTED (S, 25.68S TO RUN ON HUE BUT ONLY 5S ON DBEAVER)**

select \* from ipds\_hl. lkp\_acct\_def\_dtl\_corrted\_hl\_ltst

where trim(account\_number) = '364611953'

**-- 7) AUDIT BATCH (BATCH CHECK) (S, 19.85S TO RUN FOR SINGLE AND 51.67S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 19.85S, DBEAVER: 13S)*

select 'Eq', \* from ipds\_hl.audit\_batch\_hl\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

*-- ALL CRBs (HUE: 51.67S, DBEAVER: 25S)*

select 'Eq', \* from ipds\_hl.audit\_batch\_hl\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'EX',\* from ipds\_hl.audit\_batch\_hl\_experian where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'I',\* from ipds\_hl.audit\_batch\_hl\_illion where batch\_date

between '2022-01-17' and '2022-06-18'

**-- 8) EVENTS (F, STRUCT PRESENT FOR ACCT\_NO)**

select 'Eq', \* from ipds\_hl.crb\_events\_hl\_equifax where account\_number='680670699'

and process\_date between '2021-01-10' and '2022-06-15'

UNION

select 'EX', \* from ipds\_hl.crb\_events\_hl\_experian where account\_number='680670699'

and process\_date between '2021-01-10' and '2022-06-15'

UNION

select 'I', \* from ipds\_hl.crb\_events\_hl\_illion where account\_number='680670699'

and process\_date between '2021-01-10' and '2022-06-15'

**-- 9) SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select account\_number, account\_sub\_id, open\_date, closed\_date, rhi\_period\_1,

rhi\_repayment\_history\_status\_1, rhi\_period\_2,

rhi\_repayment\_history\_status\_2, rhi\_period\_3, rhi\_repayment\_history\_status\_3,

rhi\_period\_4, rhi\_repayment\_history\_status\_4, rhi\_period\_5,

rhi\_repayment\_history\_status\_5, rhi\_period\_6, rhi\_repayment\_history\_status\_6,

rhi\_period\_7, rhi\_repayment\_history\_status\_7, rhi\_period\_8,

rhi\_repayment\_history\_status\_8, rhi\_period\_9, rhi\_repayment\_history\_status\_9,

rhi\_period\_10, rhi\_repayment\_history\_status\_10, rhi\_period\_11,

rhi\_repayment\_history\_status\_11, rhi\_period\_12, rhi\_repayment\_history\_status\_12,

rhi\_period\_13, rhi\_repayment\_history\_status\_13, rhi\_period\_14,

rhi\_repayment\_history\_status\_14, rhi\_period\_15, rhi\_repayment\_history\_status\_15,

rhi\_period\_16, rhi\_repayment\_history\_status\_16, rhi\_period\_17,

rhi\_repayment\_history\_status\_17, rhi\_period\_18, rhi\_repayment\_history\_status\_18,

rhi\_period\_19,rhi\_repayment\_history\_status\_19, rhi\_period\_20,

rhi\_repayment\_history\_status\_20, rhi\_period\_21, rhi\_repayment\_history\_status\_21,

rhi\_period\_22, rhi\_repayment\_history\_status\_22, rhi\_period\_23,

rhi\_repayment\_history\_status\_23, rhi\_period\_24, rhi\_repayment\_history\_status\_24

from ipds\_hl.snap\_src\_corrted\_hl

where account\_number = '683443248'

**-- 10) EXCLUSION REGISTER (F, 0 RESULTS, POINTING TO THE WRONG SCHEMA - FCT\_REF INSTEAD OF IPDS\_CCR)**

select \* from fct\_ref.lkp\_ipds\_exclusion\_register

where account\_number = '677765021'

-- select \* from ipds\_ccr.lkp\_ipds\_exclusion\_register

-- where account\_number = '677765021'

**-- 11) CRB SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select 'Eq', \* from ipds\_hl.crb\_snap\_corrted\_hl\_equifax

where account\_number='682093848'

UNION

select 'EX',\* from ipds\_hl.crb\_snap\_corrted\_hl\_experian

where account\_number='682093848'

UNION

select 'I',\* from ipds\_hl.crb\_snap\_corrted\_hl\_illion

where account\_number='682093848'

**-- 12) CORRECTION STORE LATEST (F, 0 RESULTS, PROBABLY BECAUSE PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

Select \* from ipds\_hl.corr\_store\_src\_hl

where account\_number = '688204609'

**-- 13) CORRECTION STORE CRB LATEST (F, PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

select 'Eq', \* from ipds\_hl.corr\_store\_crb\_hl\_equifax

where process\_date >= '2022-07-01'

UNION

select 'EX', \* from ipds\_hl.corr\_store\_crb\_hl\_experian

where process\_date >= '2022-07-01'

UNION

select 'I', \* from ipds\_hl.corr\_store\_crb\_hl\_illion

where process\_date >= '2022-07-01'

**-- 14) REMOVAL STORE LATEST (S, 20.17S TO RUN ON HUE BUT ONLY 11S ON DBEAVER)**

select \* from ipds\_hl.correction\_store\_removal\_hl

where account\_number = '359144764'

and process\_date between '20220701' and '20220801'

**-- 15) AUDIT STORE (F, BATCH\_DATE FIELD MISSING)**

select 'Eq', \* from ipds\_hl.audit\_acct\_hl\_equifax where batch\_date = '2022-08-28'

UNION

select 'EX', \* from ipds\_hl.audit\_acct\_hl\_experian where batch\_date = '2022-08-28'

UNION

select 'I', \* from ipds\_hl.audit\_acct\_hl\_illion where batch\_date = '2022-08-28'

***/\****

***ALL THE TABLES COULD NOW BE LOCATED IN HUE, ALTHOUGH NOT IN THEIR PERFECT SHAPE OR FORM.***

***THIS IS PRIMARILY BECAUSE A FEW TABLES HAVE INCORRECT SCHEMAS ASSOCIATED WITH THEM.***

***\*/***

# PL TESTING

*/\* OVERVIEW:-*

*SO, OUT OF THE 15 TABLES REGULARLY USED IN THE CRDH PROD STORAGE*

*FOR THIS PORTFOLIO (DBEAVER),*

*ALL ARE NOW AVAILABLE.*

*SO, ALL IN ALL, ONLY 5 RAN SUCCESSFULLY (OUTBOUND, RESPONSE TABLE,*

*DEFAULT CORRECTED, AUDIT BATCH, AND REMOVAL STORE LATEST).*

*THEREFORE, THE REST FAILED DUE TO VARIOUS REASONS WITH THE MAIN REASON BEING*

*THE EXISTENCE OF UNPROCESSED COMPLEX DATATYPES LIKE ARRAYS & STRUCTS.*

*\*/*

**-- 1) OUTBOUND (S, 4M & 2S TO RUN)**

select \* from ipds\_pl.ipds\_loans\_outbound\_pl where process\_date between '2021-06-09'

and '2022-06-09'and account\_number = '677828846';

**-- 2) DEFAULT MASTER (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from ipds\_pl.def\_master\_pl where account\_number = '682982725';

--select \* from ipds\_pl.def\_master\_pl

--where account\_id.account\_number='682982725';

**-- 3) INTERFACES (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from interfaces.loan\_accounts\_interface\_snapshot

where process\_date between '2022-05-09' and '2022-06-09'

and key\_account\_number IN ('271206422');

--select \* from interfaces.loan\_accounts\_interface\_snapshot

--where process\_date between '2022-05-09' and '2022-06-09'

--and key.account\_number IN ('271206422');

--limit 4;

**-- 4) RESPONSE (S, 1M & 6S TO RUN FOR SINGLE AND 3M & 8S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 1M & 6S, DBEAVER: 15S)*

select 'Eq', \* from ipds\_pl.ipds\_response\_equifax\_pl

where accountid\_accountnumber = '683312459'

and process\_date between '2021-01-01' and '2022-05-25';

*-- ALL CRBs (HUE: 3M & 8S, DBEAVER: 23S)*

select 'Eq', \* from ipds\_pl.ipds\_response\_equifax\_pl

where accountid\_accountnumber = '683312459'

and process\_date between '2021-01-01' and '2022-05-25'

UNION

select 'EX', \* from ipds\_pl.ipds\_response\_experian\_pl

where accountid\_accountnumber = '683312459'

and process\_date between '2021-01-01' and '2022-05-25'

UNION

select 'I', \* from ipds\_pl.ipds\_response\_illion\_pl

where accountid\_accountnumber = '683312459'

and process\_date between '2021-01-01' and '2022-05-25'

**-- 5) DEFAULT CORRECTED (S, 18.25S TO RUN ON HUE BUT ONLY 3.2S ON DBEAVER)**

select \* from ipds\_pl. lkp\_acct\_def\_dtl\_corrted\_pl\_ltst

where account\_number='679738625'

**-- 6) AUDIT BATCH (BATCH CHECK) (S, 19.86S TO RUN FOR SINGLE AND 51.97S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 19.86S, DBEAVER: 14S)*

select 'Eq', \* from ipds\_pl.audit\_batch\_pl\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

*-- ALL CRBs (HUE: 51.97S, DBEAVER: 21S)*

select 'Eq', \* from ipds\_pl.audit\_batch\_pl\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'EX',\* from ipds\_pl.audit\_batch\_pl\_experian where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'I',\* from ipds\_pl.audit\_batch\_pl\_illion where batch\_date

between '2022-01-17' and '2022-06-18'

**-- 7) EVENTS (F, STRUCT PRESENT FOR ACCT\_NO)**

select 'Eq', \* from ipds\_pl.crb\_events\_pl\_equifax where account\_number = '393955413'

and process\_date between '2021-01-01' and '2022-06-11'

UNION

select 'EX',\* from ipds\_pl.crb\_events\_pl\_experian where account\_number = '393955413'

and process\_date between '2021-01-01' and '2022-06-11'

UNION

select 'I',\* from ipds\_pl.crb\_events\_pl\_illion where account\_number = '393955413'

and process\_date between '2021-01-01' and '2022-06-11'

**--8) AUDIT STORE (F, BATCH\_DATE FIELD MISSING)**

select 'Eq', \* from ipds\_pl.audit\_acct\_pl\_equifax

where batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'EX', \* from ipds\_pl.audit\_acct\_pl\_experian

where batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'I', \* from ipds\_pl.audit\_acct\_pl\_illion

where batch\_date between '2021-01-20' and '2022-06-15'

**-- 9) SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select account\_number, account\_sub\_id, open\_date, closed\_date, rhi\_period\_1,

rhi\_repayment\_history\_status\_1, rhi\_period\_2,

rhi\_repayment\_history\_status\_2, rhi\_period\_3, rhi\_repayment\_history\_status\_3,

rhi\_period\_4, rhi\_repayment\_history\_status\_4, rhi\_period\_5,

rhi\_repayment\_history\_status\_5, rhi\_period\_6, rhi\_repayment\_history\_status\_6,

rhi\_period\_7, rhi\_repayment\_history\_status\_7, rhi\_period\_8,

rhi\_repayment\_history\_status\_8, rhi\_period\_9, rhi\_repayment\_history\_status\_9,

rhi\_period\_10, rhi\_repayment\_history\_status\_10, rhi\_period\_11,

rhi\_repayment\_history\_status\_11, rhi\_period\_12, rhi\_repayment\_history\_status\_12,

rhi\_period\_13, rhi\_repayment\_history\_status\_13, rhi\_period\_14,

rhi\_repayment\_history\_status\_14, rhi\_period\_15, rhi\_repayment\_history\_status\_15,

rhi\_period\_16, rhi\_repayment\_history\_status\_16, rhi\_period\_17,

rhi\_repayment\_history\_status\_17, rhi\_period\_18, rhi\_repayment\_history\_status\_18,

rhi\_period\_19,rhi\_repayment\_history\_status\_19, rhi\_period\_20,

rhi\_repayment\_history\_status\_20, rhi\_period\_21, rhi\_repayment\_history\_status\_21,

rhi\_period\_22, rhi\_repayment\_history\_status\_22, rhi\_period\_23,

rhi\_repayment\_history\_status\_23, rhi\_period\_24, rhi\_repayment\_history\_status\_24

from ipds\_pl.snap\_src\_corr\_pl where account\_number = '677530337'

**-- 10) SNAP SOURCE LATEST (F, STRUCT PRESENT FOR ACCT\_NO AND ARRAY ALSO PRESENT, ONLY NON-LATEST FILE AVAILABLE)**

select \* from ipds\_pl.snap\_src\_pl where account\_number='681573698'

**-- 11) EXCLUSION REGISTER (F, 0 RESULTS, POINTING TO THE WRONG SCHEMA - FCT\_REF INSTEAD OF IPDS\_CCR)**

select \* from fct\_ref.lkp\_ipds\_exclusion\_register

where account\_number = '685376296'

-- select \* from ipds\_ccr.lkp\_ipds\_exclusion\_register

-- where account\_number = '685376296'

**-- 12) CRB SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select 'Eq', \* from ipds\_pl.crb\_snap\_corr\_pl\_equifax

where account\_number = '394338361'

UNION

select 'EX', \* from ipds\_pl.crb\_snap\_corr\_pl\_experian

where account\_number='394338361'

UNION

select 'I', \* from ipds\_pl.crb\_snap\_corr\_pl\_illion

where account\_number = '394338361'

**-- 13) CORRECTION STORE LATEST (F, 0 RESULTS, PROBABLY BECAUSE PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

Select \* from ipds\_pl.corr\_store\_src\_pl

where account\_number = '390986222'

**-- 14) CORRECTION STORE CRB LATEST (F, PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

select 'Eq', \* from ipds\_pl.corr\_store\_crb\_pl\_equifax

where process\_date >= '2022-07-01'

UNION

select 'EX', \* from ipds\_pl.corr\_store\_crb\_pl\_experian

where process\_date >= '2022-07-01'

UNION

select 'I', \* from ipds\_pl.corr\_store\_crb\_pl\_illion

where process\_date >= '2022-07-01'

**-- 15) REMOVAL STORE LATEST (S, 19.11S TO RUN ON HUE BUT ONLY 10S ON DBEAVER)**

select \* from ipds\_pl.correction\_store\_removal\_pl

where account\_number = '678182928'

and process\_date between '20220701' and '20220830'

***/\****

***ALL THE TABLES COULD NOW BE LOCATED IN HUE, ALTHOUGH NOT IN THEIR PERFECT SHAPE OR FORM.***

***THIS IS PRIMARILY BECAUSE A FEW TABLES HAVE INCORRECT SCHEMAS ASSOCIATED WITH THEM.***

***\*/***

# OD TESTING

*/\* OVERVIEW:-*

*SO, OUT OF THE 15 TABLES REGULARLY USED IN THE CRDH PROD STORAGE*

*FOR THIS PORTFOLIO (DBEAVER),*

*ALL ARE NOW AVAILABLE.*

*SO, ALL IN ALL, ONLY 5 RAN SUCCESSFULLY (OUTBOUND, RESPONSE TABLE,*

*DEFAULT CORRECTED, AUDIT BATCH, AND REMOVAL STORE LATEST).*

*ERGO, THE OTHER 10 QUERIES FAILED DUE TO VARIOUS REASONS*

*WITH THE PRIME REASON BEING THE EXISTENCE OF UNPROCESSED COMPLEX*

*DATATYPES LIKE ARRAYS & STRUCTS.*

*\*/*

**-- 1) OUTBOUND (S, 2M & 49S TO RUN)**

select \* from ipds\_od.ipds\_od\_outbound where process\_date between '2021-06-09'

and '2022-06-09'and account\_number = '481245243F0001';

**-- 2) INTERFACES (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from interfaces.dda\_demand\_deposit\_accts\_if\_snap

where process\_date between '2022-05-09' and '2022-06-09'

and key\_account\_number IN ('378992873');

--select \* from interfaces.dda\_demand\_deposit\_accts\_if\_snap

--where process\_date between '2022-05-09' and '2022-06-09'

--and key.account\_number IN ('378992873');

--limit 4;

**-- 3) RESPONSE (S, 49.89S TO RUN FOR SINGLE AND 1M & 39S FOR ALL THREE CRBS ON HUE)**

-- *SINGLE CRB* (HUE: 49.89S, DBEAVER: 14S)

select 'Eq', \* from ipds\_od.ipds\_response\_equifax\_od

where accountid\_accountnumber = '542848735F0001'

and process\_date between '2021-01-10' and '2022-05-16';

-- *ALL CRBs* (HUE: 1M & 39S, DBEAVER: 21S)

select 'Eq', \* from ipds\_od.ipds\_response\_equifax\_od

where accountid\_accountnumber = '542848735F0001'

and process\_date between '2021-01-10' and '2022-05-16'

UNION

select 'EX', \* from ipds\_od.ipds\_response\_experian\_od

where accountid\_accountnumber = '542848735F0001'

and process\_date between '2021-01-10' and '2022-05-16'

UNION

select 'I', \* from ipds\_od.ipds\_response\_illion\_od

where accountid\_accountnumber = '542848735F0001'

and process\_date between '2021-01-10' and '2022-05-16'

**-- 4) SNAP SOURCE LATEST (F, STRUCT PRESENT FOR ACCT\_SUB\_ID AND ARRAY ALSO PRESENT)**

select \* from ipds\_od.snap\_src\_od\_latest where account\_sub\_id='285855108'

**-- 5) DEFAULT MASTER (F, STRUCT PRESENT FOR ACCT\_NO)**

select \* from ipds\_od.def\_master\_od where account\_number='620663972F0001'

**-- 6) DEFAULT CORRECTED (S, 17.15S TO RUN ON HUE BUT ONLY 7.8S ON DBEAVER)**

select \* from ipds\_od.lkp\_acct\_def\_det\_corrted\_od\_ltst

where account\_number= '201099166F0001'

**-- 7) AUDIT BATCH (BATCH CHECK) (S, 19.17S TO RUN FOR SINGLE AND 53.10S FOR ALL THREE CRBS ON HUE)**

*-- SINGLE CRB (HUE: 19.17S, DBEAVER: 13S)*

select 'Eq', \* from ipds\_od.audit\_batch\_od\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

*-- ALL CRBs (HUE: 53.10S, DBEAVER: 16S)*

select 'Eq', \* from ipds\_od.audit\_batch\_od\_equifax where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'EX',\* from ipds\_od.audit\_batch\_od\_experian where batch\_date

between '2022-01-17' and '2022-06-18'

UNION

select 'I',\* from ipds\_od.audit\_batch\_od\_illion where batch\_date

between '2022-01-17' and '2022-06-18'

**-- 8) EVENTS (F, STRUCT PRESENT FOR ACCT\_NO)**

select 'Eq', \* from ipds\_od.crb\_evnts\_od\_equifax

where account\_number='201099166F0001'

and process\_date between '2021-01-01' and '2022-06-11'

UNION

select 'EX',\* from ipds\_od.crb\_evnts\_od\_experian

where account\_number='201099166F0001'

and process\_date between '2021-01-01' and '2022-06-11'

UNION

select 'I',\* from ipds\_od.crb\_evnts\_od\_illion

where account\_number='201099166F0001'

and process\_date between '2021-01-01' and '2022-06-11'

**--9) AUDIT STORE (F, BATCH\_DATE FIELD MISSING)**

select 'Eq', \* from ipds\_od.audit\_account\_od\_equifax

where account\_number = ''

and batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'EX', \* from ipds\_od.audit\_account\_od\_experian

where account\_number = ''

and batch\_date between '2021-01-20' and '2022-06-15'

UNION

select 'I', \* from ipds\_od.audit\_account\_od\_illion

where account\_number = ''

and batch\_date between '2021-01-20' and '2022-06-15'

**-- 10) SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select account\_number, account\_sub\_id, open\_date, closed\_date, rhi\_period\_1,

rhi\_repayment\_history\_status\_1, rhi\_period\_2,

rhi\_repayment\_history\_status\_2, rhi\_period\_3, rhi\_repayment\_history\_status\_3,

rhi\_period\_4, rhi\_repayment\_history\_status\_4, rhi\_period\_5,

rhi\_repayment\_history\_status\_5, rhi\_period\_6, rhi\_repayment\_history\_status\_6,

rhi\_period\_7, rhi\_repayment\_history\_status\_7, rhi\_period\_8,

rhi\_repayment\_history\_status\_8, rhi\_period\_9, rhi\_repayment\_history\_status\_9,

rhi\_period\_10, rhi\_repayment\_history\_status\_10, rhi\_period\_11,

rhi\_repayment\_history\_status\_11, rhi\_period\_12, rhi\_repayment\_history\_status\_12,

rhi\_period\_13, rhi\_repayment\_history\_status\_13, rhi\_period\_14,

rhi\_repayment\_history\_status\_14, rhi\_period\_15, rhi\_repayment\_history\_status\_15,

rhi\_period\_16, rhi\_repayment\_history\_status\_16, rhi\_period\_17,

rhi\_repayment\_history\_status\_17, rhi\_period\_18, rhi\_repayment\_history\_status\_18,

rhi\_period\_19,rhi\_repayment\_history\_status\_19, rhi\_period\_20,

rhi\_repayment\_history\_status\_20, rhi\_period\_21, rhi\_repayment\_history\_status\_21,

rhi\_period\_22, rhi\_repayment\_history\_status\_22, rhi\_period\_23,

rhi\_repayment\_history\_status\_23, rhi\_period\_24, rhi\_repayment\_history\_status\_24

from ipds\_od.snap\_src\_corrted\_od where account\_sub\_id = '497952997'

**-- 11) EXCLUSION REGISTER (F, 0 RESULTS, POINTING TO THE WRONG SCHEMA - FCT\_REF INSTEAD OF IPDS\_CCR)**

select \* from fct\_ref.lkp\_ipds\_exclusion\_register

where account\_number = '405477544F0001'

-- select \* from ipds\_ccr.lkp\_ipds\_exclusion\_register

-- where account\_number = '405477544F0001'

**-- 12) CRB SNAP SOURCE CORRECTED LATEST (F, ACCT DETAILS ENCLOSED IN STRUCTS AND/OR ARRAYS)**

select 'Eq', \* from ipds\_od.crb\_snap\_corrted\_od\_equifax

where account\_number='405477544F0001'

UNION

select 'EX', \* from ipds\_od.crb\_snap\_corr\_od\_experian

where account\_number='405477544F0001'

UNION

select 'I', \* from ipds\_od.crb\_snap\_corr\_od\_illion

where account\_number='405477544F0001'

**-- 13) CORRECTION STORE LATEST (F, 0 RESULTS, PROBABLY BECAUSE PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

Select \* from ipds\_od.corr\_store\_src\_od

where account\_number = '189903667F0001'

**-- 14) CORRECTION STORE CRB LATEST (F, PROCESS\_DATE FIELD MISSING; ONLY CORRECTION\_DATE AVAILABLE)**

select 'Eq', \* from ipds\_od.corr\_store\_crb\_od\_equifax

where account\_number = '409982484F0001'

UNION

select 'EX', \* from ipds\_od.corr\_store\_crb\_od\_experian

where account\_number = '409982484F0001'

UNION

select 'I', \* from ipds\_od.corr\_store\_crb\_od\_illion

where account\_number = '409982484F0001'

**-- 15) REMOVAL STORE LATEST (S, 2M & 33S TO RUN ON HUE BUT ONLY 12S ON DBEAVER)**

select \* from ipds\_od.correction\_store\_removal\_od

where account\_number = '392535177F0001'

and process\_date between '20220701' and '20220830'

***/\****

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***\*/***

# KEY FINDINGS

1. Only **1** ‘*View’* exists as of now in Hue, but that view is not very helpful quite simply because it is not for any of those desired tables present in the **CRDH PROD** environment (*ipds\_od\_view.dda\_if\_facility\_*id for **IPDS\_OD** is the sole currently available view).
2. All the tables are now available in Hue, although they are not present in a consistent and desired form across all the portfolios (*naming conventions, latest/non-latest file handlings, schema associations*, etc).
3. Only **36%** ora little above ***one-third*** of the overall queries ***ran successfully***, the rest failed due to various reasons as delineated earlier.
4. Only **5** *tables* or *relation* *types* are running successfully at the moment across all the portfolios (***Outbound, CRB Response, Default Corrected****,* ***Audit Batch*** *and the* ***Removal Store Latest*** tables).
5. ***Consistent naming conventions*** are still not being followed at present for similar types of tables across the different portfolios. For instance, the *Default Corrected (Latest)* table type is invariably named in **3** different ways for the **4** portfolios. Similarly, the *Events* table is also named differently for *Overdrafts* as compared to the other 3 products or portfolios (more details present above in the associated query scripts).
6. Data for the *IPDS* **Exclusion Register (ER)** is currently unavailable in Hue due to its association with an inappropriate schema, further details about the same are duly manifested in the designated ER section of each portfolio.
7. The **latest file versions** are thus far available in an *inconsistent* and *non-uniform* manner as some of these latest file versions are available in one or two portfolios only while missing for the rest. However, having said that, we can also see that, at times, it’s actually available for all except one or two tables as well. For instance, as of now, the ***Correction\_Store\_Latest*** is available for *CC* only while the ***Snap\_Source\_Corrected\_Latest*** is also available for *CC* only; the ***Snap\_Source\_Latest*** on the other hand, is available for all barring the PL.
8. On an average, the *execution time* of these successful queries in Hue was still over **3-4** times to that in *DBeaver* (SQL). However, earlier it was over **6** times with one or two relations like Outbound even taking around **15** times longer to run (not the case anymore). Therefore, as mentioned in the previous report, all in all, there have been some noticeable improvements indeed, made in this regard.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*