AT&T Chief Data Office Data Platform

2019 My Performance Plan for Korina Han Lim

E2E DQ Report - Guide UI Implementation to PowerBI Report

01/31/2019-11/15/2019

AT&T

Data Manager - Data Library Status

Data Library Name	DLDM Audits	QDM Audits	Status Flag ▼
DP DataLibrary-Billing-Consumer	0	55	RED
DP DataLibrary-Credit and Collections	0	10	RED
DP DataLibrary-Account - Consumer	123	0	GREEN
DP DataLibrary-Advertising	0	0	GREEN
DP DataLibrary-Billing-Consumer	0	219	GREEN
DP DataLibrary-Common Browsing	9	5	GREEN
DP DataLibrary-Common Location	51	0	GREEN
DP DataLibrary-Credit and Collections	0	130	GREEN
DP DataLibrary-Customer Contact - Consumer	24	0	GREEN
DP DataLibrary-Customer Preference	41	27	GREEN
DP DataLibrary-Identity	100	0	GREEN
DP DataLibrary-Order and Provisioning - Consumer	33	176	GREEN
DP DataLibrary-Viewership	257	30	GREEN
DP DataLibrary-Workforce Hierarchy	2	0	GREEN

Click Here for Detailed Report

DATA MANAGER - DATA LIBRARIES DAILY REPORT

Data Library Status

SELECT THE DATA LIBRARY TO VIEW THE REPORT

DP DataLibrary-Customer Preference

AOTS

Total - 10 Tickets

Severity	Ticket Count
2	7
3	3
1	0

SLA

SLA is Met for: 9/13 Tables

AUDITS

Total: 68 Audits

Audit Summary
41
DLDM Audits
27
QDM Audits

DLDM
Completeness
2
Consistency
26
Integrity
0
Not Classified
2
Validity

QDM
Completeness
14
Consistency
5
Integrity
8
Not Classified
0
Validity
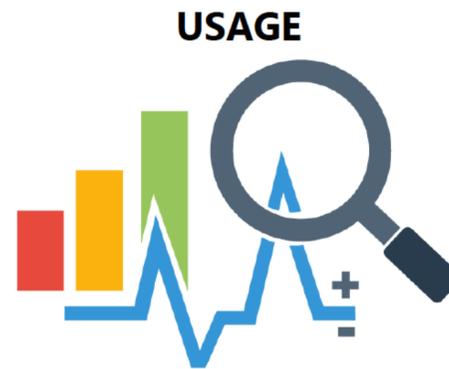
USAGE

# of Tables by Platform
Hadoop KM
18
Teradata eCDW
41
Vertica eCDW
14

Size : 3.03 TB

Usage: 242 users/17669 access counts in May-2019

Usage Metrics report for DP DataLibrary-Customer Preference

Usage Summary

System Name	Size in TB	# of Tables
Hadoop KM	1.60	18
Teradata eCDW	0.78	42
Vertica eCDW	0.66	14
Total	**3.03**	**73**

Total Size

3.03 TB

Total Object Access Count

17669

of Users

242

User Query Counts

| System Name	Query Counts	#of Users
Teradata eCDW	109115344	4371
Vertica eCDW	8703931	623
Total	**117819275**	**4519**

Top Tables based on Size Bytes

Object Access Count Stats

Size Utilized by Objects in different Systems

SLA report for DP DataLibrary-Customer Preference

System wise SLA Comparo
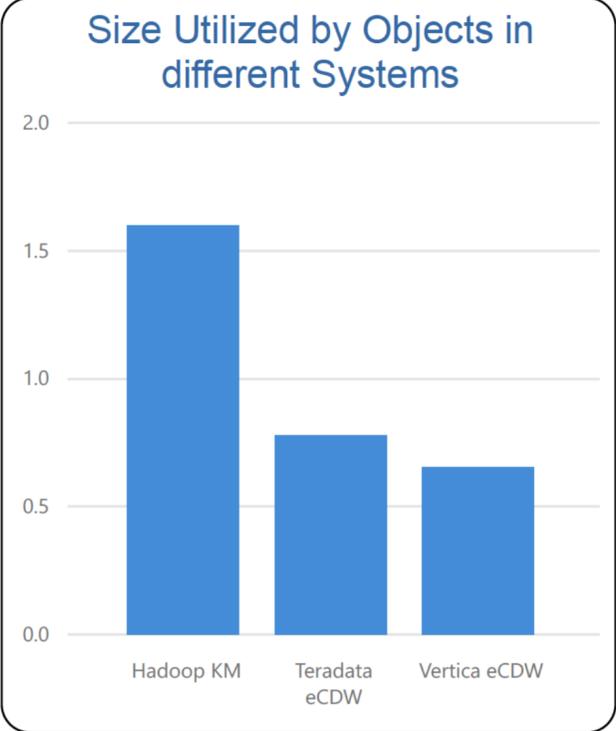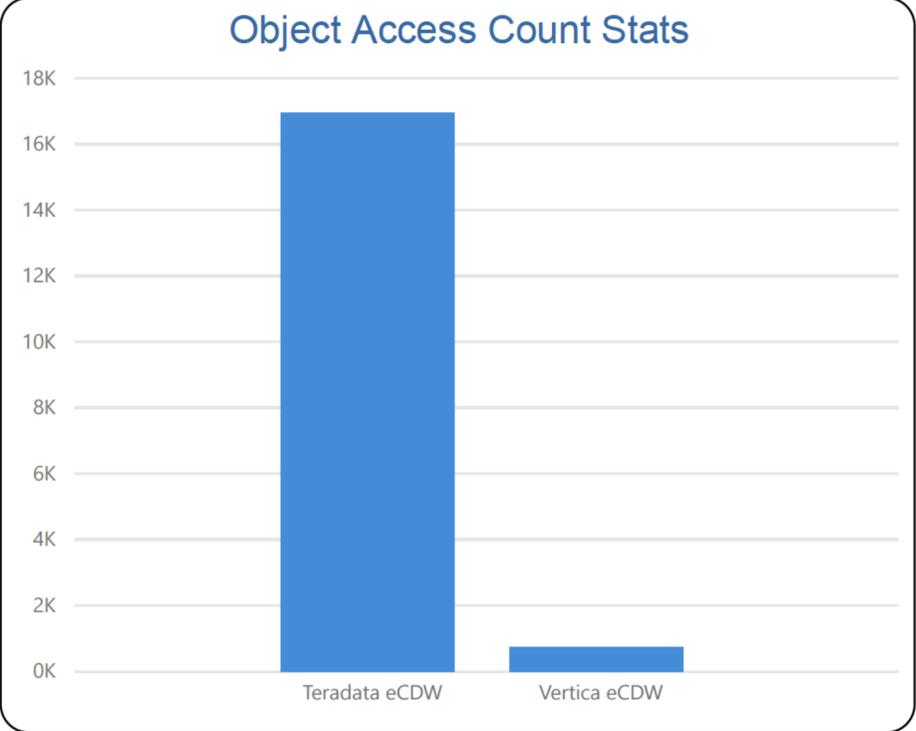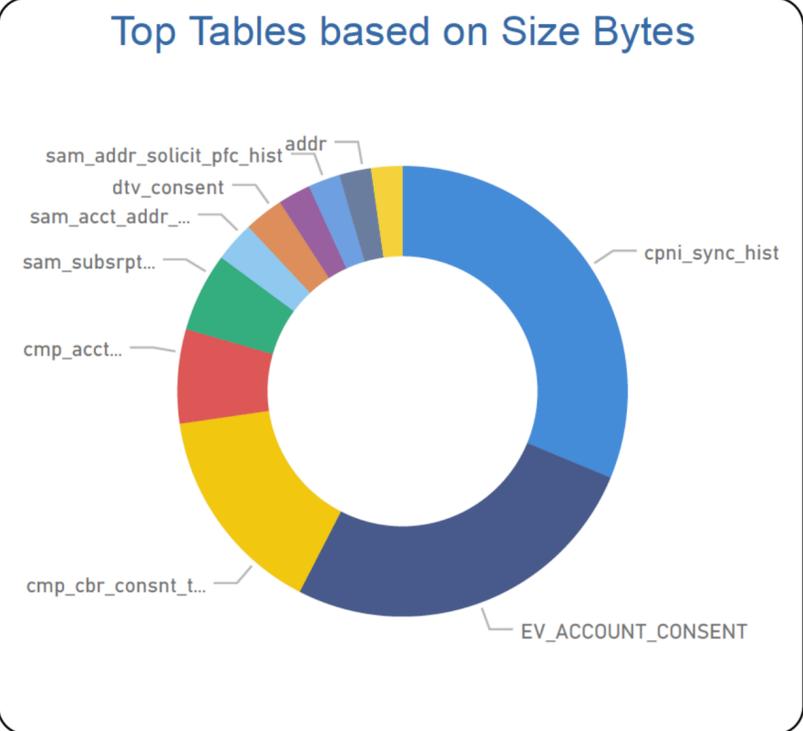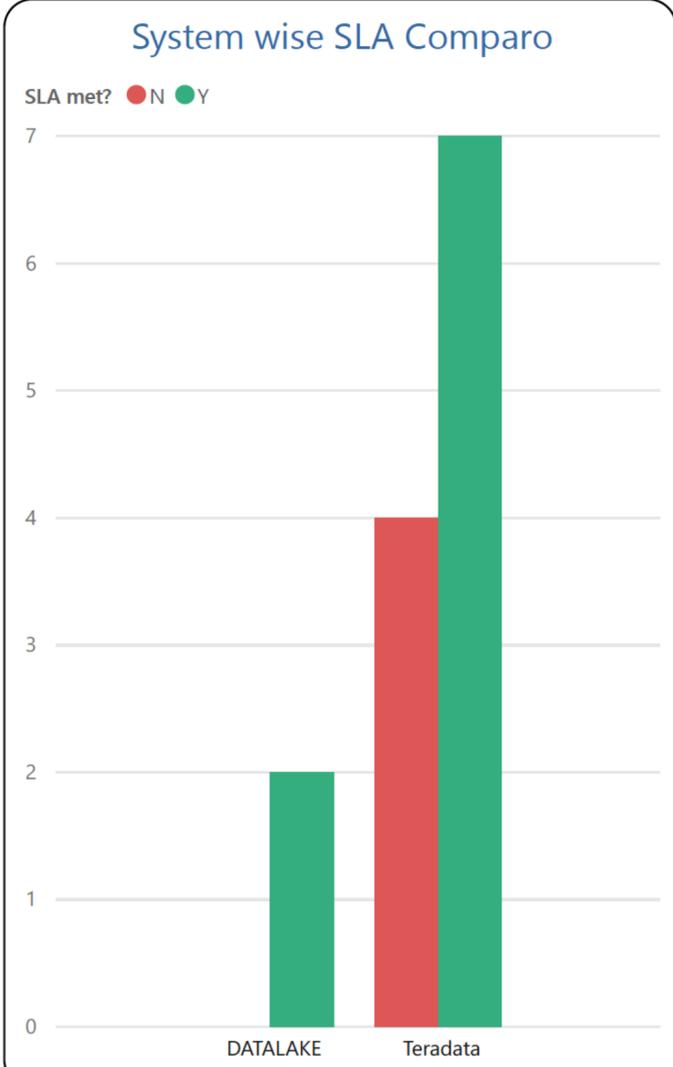
SLA met? ● N ● Y

SLA Summary

PLATFORM	Table Name	Abbreviated TABLE Description	SLA Met?	Time Loaded
DATALAKE	cust_consnt_elctn_hist	Customer Consent Elections	Y	6/25/2019 5:07:00 AM
DATALAKE	era_details	Enhanced Relevant Advertising Consent	Y	6/25/2019 5:07:00 AM
Teradata	acct_cpni_hist	Acct-level info for each CPNI	N	
Teradata	acct_cpni_hist	Acct-level info for each CPNI	Y	6/24/2019 8:17:00 PM
Teradata	acct_cpni_hist	Acct-level info for each CPNI	Y	6/24/2019 8:23:00 PM
Teradata	cpni_sync_hist	Correlation w/ CPNI key & Cust acct key.	N	
Teradata	cpni_sync_hist	Correlation w/ CPNI key & Cust acct key.	Y	6/24/2019 8:22:00 PM
Teradata	cpni_sync_hist	Correlation w/ CPNI key & Cust acct key.	Y	6/24/2019 8:30:00 PM
Teradata	mdncn_dnc	Cust Billing Telephone # w/ do not call pref.	Y	6/24/2019 8:25:00 PM
Teradata	tccc031_email_address_overall	List of latest Email Addresses	Y	6/25/2019 1:32:00 AM
Teradata	tccc034_cmpny_rptd_cust_prfrnc	Email address with customer pref.	Y	6/25/2019 1:32:00 AM

QDM/DLDM Audit report for DP DataLibrary-Customer Preference

AUDIT SUMMARY

| Data Library	Quality Dimension	DLDM Audit Count	QDM Audit Count	Status Flag
DP DataLibrary-Customer Preference	Completeness	2	14	GREEN
DP DataLibrary-Customer Preference	Consistency	26	5	GREEN
DP DataLibrary-Customer Preference	Integrity	0	8	GREEN
DP DataLibrary-Customer Preference	Not Classified	2	0	GREEN
DP DataLibrary-Customer Preference	Validity	11	0	GREEN
Total		**41**	**27**	

QDM Audits
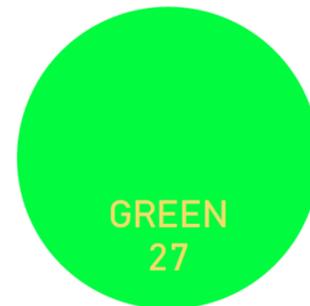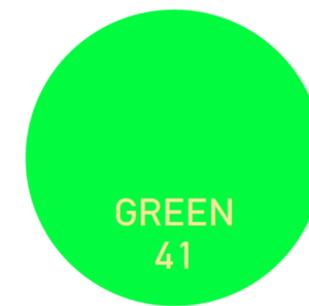
GREEN
27

DLDM Audits

GREEN
41

For more info click on below links to access the respective audit portal -

QDM Audit Portal

**DLDM Audit Portal**

QDM Audit - Quality
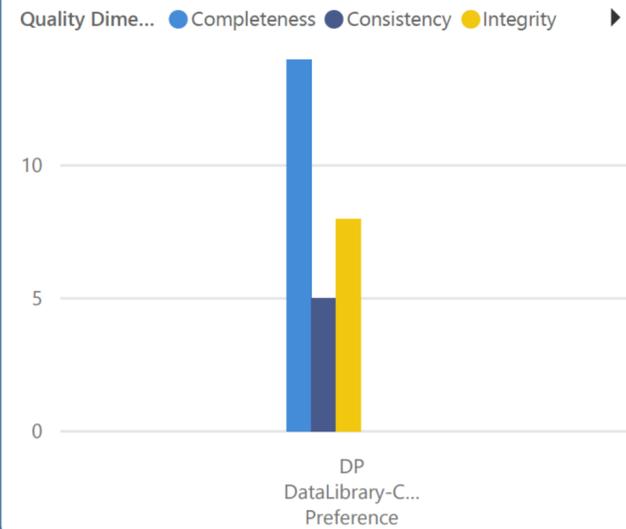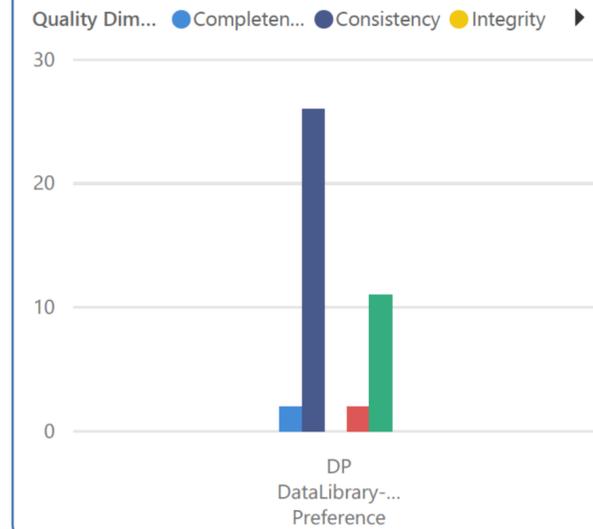
Quality Dime... ● Completeness ● Consistency ● Integrity ▶

DP DataLibrary-C... Preference

DLDM Audit - Quality

Quality Dim... ● Completen... ● Consistency ● Integrity ▶

DP DataLibrary-... Preference

AOTS Ticket stats for DP DataLibrary-Customer Preference

Total# of Tickets

10

Count of Tickets by Severity
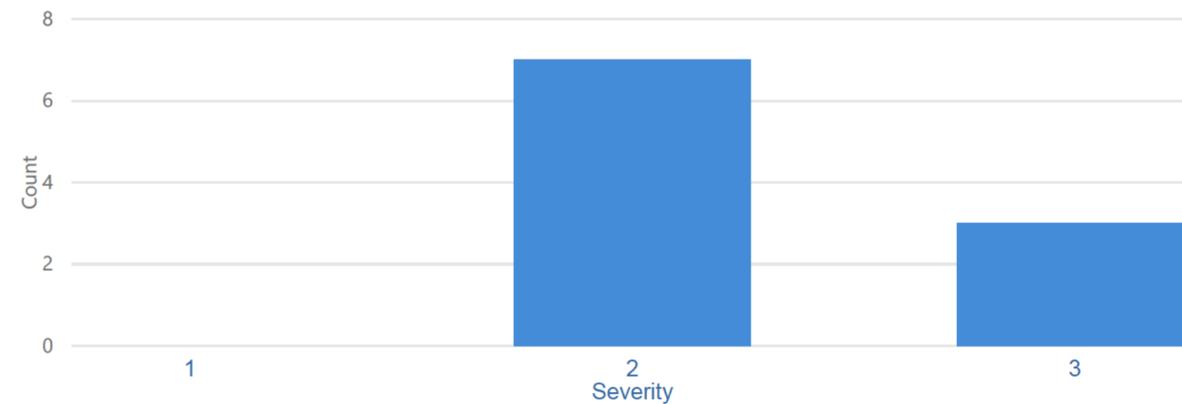
AOTS Tickets Summary

| Data Library	Severity	Count of Tickets
DP DataLibrary-Customer Preference	1	0
DP DataLibrary-Customer Preference	2	7
DP DataLibrary-Customer Preference	3	3
Total		**10**

AOTS Ticket stats for DP DataLibrary-Customer Preference

Total# of Tickets

10

Count of Tickets by Severity

AOTS Tickets Summary

Data Library	Severity	Count of Tickets
DP DataLibrary-Customer Preference	1	0
DP DataLibrary-Customer Preference	2	7
DP DataLibrary-Customer Preference	3	3
Total		10

Review with developer
with dashboard make
AT&T standarlization.

Data Quality DPE Daily Data Library Report

Data Library Status

SELECT THE DATA LIBRARY TO VIEW THE REPORT

All

Date Filter

| 1/1/2019 | 12/31/2019 | | **Apply** |

Usage for Period: 1/1/2019 to 12/31/2019

System Name	Size in TB	# of Tables
Vertica eCDW	187.4	589
Vertica DWS	0.5	25
Teradata EDW	32.2	233
Total	**395.6**	**5428**

Total Size
395.6
TB

# of Users
7208

Total Object Access Count
48M

Top tables based on Access Counts (Teradata and Vertica)

ALL ⬤ SLA

Data Library	Database Name	Table Name
Billing-Consumer	USAGE	TCTU007_US.
Customer Contact - Consumer	EDWDB	ACCT
Customer Contact - Consumer	EDWDB	SUBSRPTN
Customer Contact - Consumer	EDWDB	PRTY_NM
Customer Contact - Consumer	EDWDB	PRD
Customer Contact - Consumer	EDWDB	ACCT_SUBSR
Customer Contact - Consumer	EDWDB	SUBSRPTN_P
Customer Contact - Consumer	EDWDB	SUBSRPTN_S
Customer Contact - Consumer	EDWDB	LOC_ADDR
Billing-Consumer	EDWVIEWS	BL_STMNT_S
Customer Contact - Consumer	EDWDB	PRTY

Object Access Count Stats (Teradata and Vertica)

User Access Summary

Name	ATTUID	BU/Department Name
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
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A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
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A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS

PowerBI User Interface for
Look and feel of AT&T design

Data Quality DPE Daily Data Library Report

Report for 10/30/2019

Data Library ▲	SLA Met?	Ratio of Critical Tables meeting SLA	Data Library SLA
🟢 Account - Consumer	SLA-MET	6/6	50/60
🟢 Advertising	SLA-MET	9/9	47/56
🟢 Billing-Consumer	SLA-MET	11/11	56/60
🟢 Common Browsing	SLA-MET	5/5	49/60
🔴 Common Location	SLA-NOT MET	7/12	15/68
🟢 Credit and Collections	SLA-MET	12/12	58/59
🔴 Customer Contact - Consumer	SLA-NOT MET	7/8	18/57
🔴 Customer Preference	SLA-NOT MET	11/13	40/60
🔴 Finance	SLA-NOT MET	57/62	1/24
🟢 Identity	SLA-MET	9/9	53/61
🔴 Order and Provisioning - Consumer	SLA-NOT MET	49/51	28/60
🟢 Product Offering Promotions	SLA-MET	9/9	56/59
🟢 Supply Chain and Equipment	SLA-MET	17/17	8/17

Report

AOTS

SLA

Audits

Usage

Data Quality DPE Daily Data Library Report

Report

AOTS

SLA

Audits

Usage

Data Library Status

AOTS
Total
93
Active Tickets

SLA
SLA is met today for
282/301
Critical Tables

Audits
Total
3076

2199
DLDM Audits

877
QDM Audits

Total Size
395.6
TB

#Tables
3766 hadoop
1229 teradata.
589 VERTICA

7208
Users

48M
Access
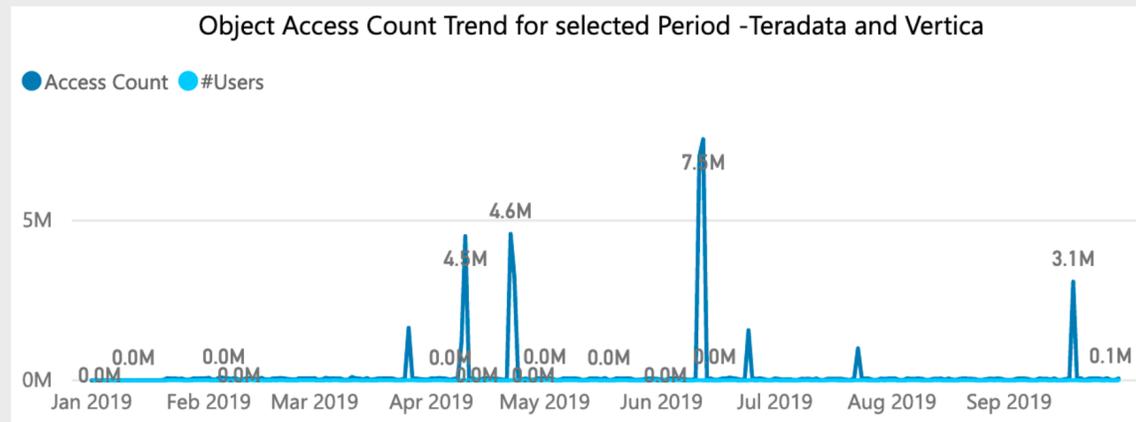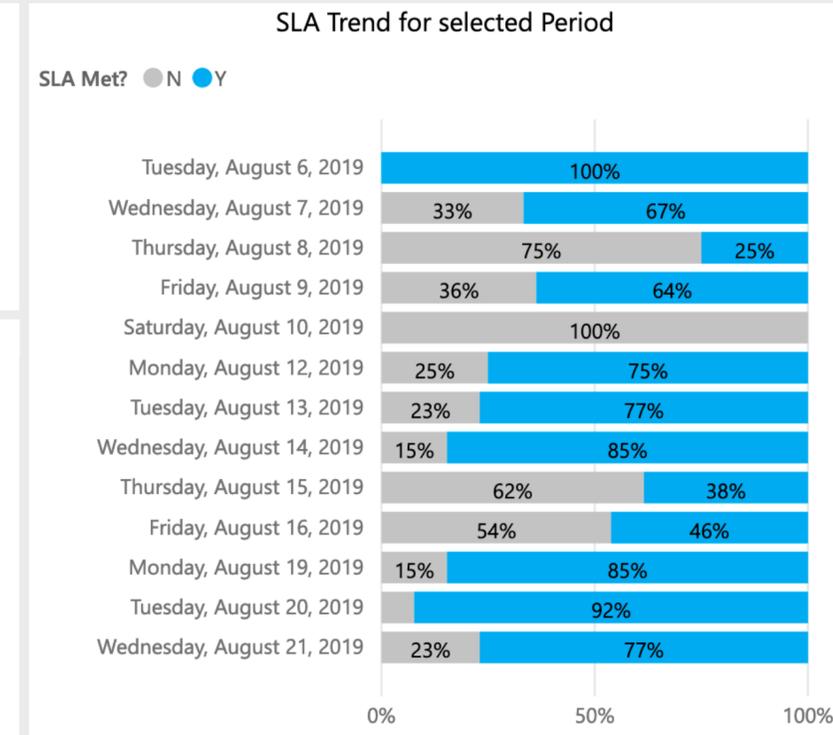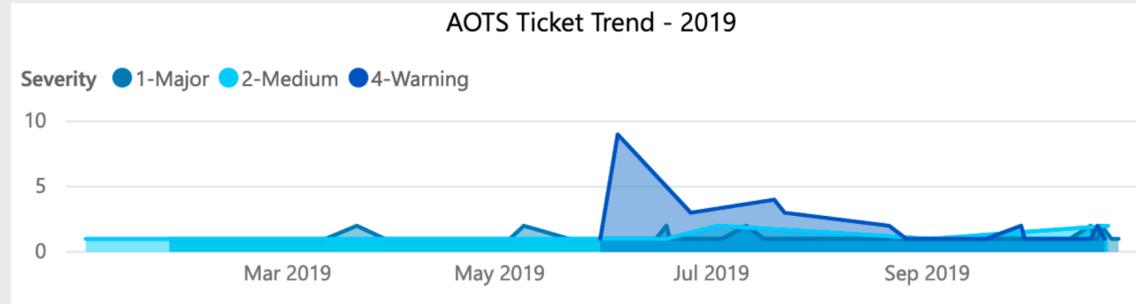
AOTS Ticket Trend - 2019

Severity ● 1-Major ● 2-Medium ● 4-Warning

10

5

0

Mar 2019   May 2019   Jul 2019   Sep 2019

SLA Trend for selected Period

SLA Met? ● N ● Y

Tuesday, August 6, 2019		100%
Wednesday, August 7, 2019	33%	67%
Thursday, August 8, 2019	75%	25%
Friday, August 9, 2019	36%	64%
Saturday, August 10, 2019		100%
Monday, August 12, 2019	25%	75%
Tuesday, August 13, 2019	23%	77%
Wednesday, August 14, 2019	15%	85%
Thursday, August 15, 2019	62%	38%
Friday, August 16, 2019	54%	46%
Monday, August 19, 2019	15%	85%
Tuesday, August 20, 2019		92%
Wednesday, August 21, 2019	23%	77%

0%   50%   100%

Object Access Count Trend for selected Period -Teradata and Vertica

● Access Count ● #Users

7.6M

4.6M

5M

4.5M

3.1M

0M   0.0M 0.0M 0.0M   0.0M 0.0M 0.0M   0.0M   0.1M

Jan 2019 Feb 2019 Mar 2019 Apr 2019 May 2019 Jun 2019 Jul 2019 Aug 2019 Sep 2019

Data Library SLA Status | DM Data Library - Overview | SLA | Usage | Audits | AOTS

Data Quality DPE Daily Data Library Report

AT&T

- Report
- AOTS
- SLA
- Audits
- Usage

Data Library Status

AOTS

Total

93

Active Tickets

2019 ⬤ Before 2019

of Tickets by Severity

Severity	
1-Major	(bar ≈ 44)
4-Warning	(bar ≈ 32)
2-Medium	(bar ≈ 17)

Count: 0 5 10 15 20 25 30 35 40 45
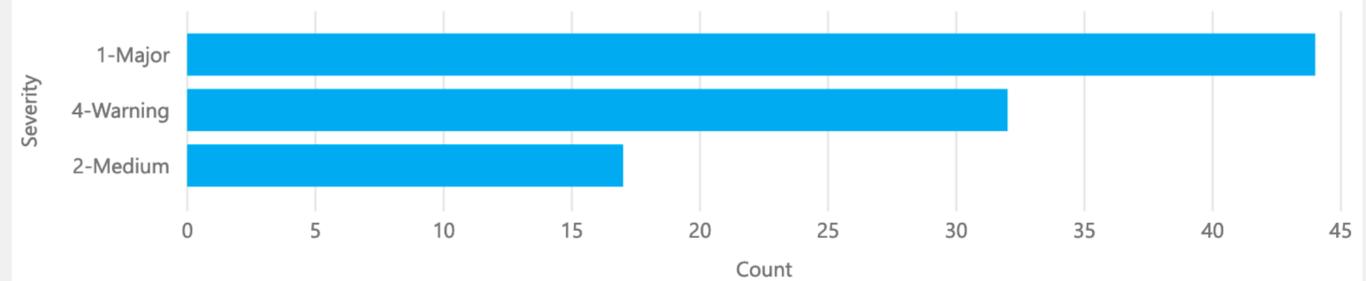
Summary of Tickets opened in 2019

Data Library	Ticket#	URL	Work Queue	Status	Severity	Ticket_Open_Date	Impacted Audit
Product Offering Promotions	000000260674474	🔗			1-Major	Saturday, May 4, 2019	IMDM: Daily Trending to cor
Product Offering Promotions	000000260868739	🔗			1-Major	Wednesday, May 8, 2019	IMDM: Daily Trending to cor
Billing-Consumer	000000262875176	🔗			1-Major	Saturday, June 8, 2019	VERT BHM: Reconcilation of
Billing-Consumer	000000254342476	🔗			2-Medium	Wednesday, January 2, 2019	Total payment receipt amou
Billing-Consumer	000000259614946	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	1-Major	Wednesday, April 17, 2019	DLBHM: Reconciliation of co
Billing-Consumer	000000263414203	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	1-Major	Tuesday, June 18, 2019	DLBHM:Reconciliation of sur
Dispatch	000000265376160	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	1-Major	Thursday, July 25, 2019	DLBHM: Referential intgrty c
Dispatch	000000266974247	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	4-Warning	Wednesday, August 21, 2019	Data Valiidty check for bpmi
Dispatch	000000266974247	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	4-Warning	Wednesday, August 21, 2019	DLBHM: Reconciliation of co
Billing-Consumer	000000270142498	🔗	BIDW-T3-CORE-FINC-BIGDATA	Active	4-Warning	Friday, October 18, 2019	DLBHM:Reconciliation of cou
Customer Preference	000000269860717	🔗	BIDW-T3-DTR-CPSYNC	Active	1-Major	Saturday, October 12, 2019	Reconciliation OF ACCOUNT
Customer Preference	000000260231614	🔗	BIDW-T3-DTR-CPSYNC	Active	2-Medium	Sunday, April 28, 2019	Reconciliation OF ACCOUNT
Credit and Collections	000000256880679	🔗	BIDW-T3-JJJ-CCDM	Active	1-Major	Tuesday, February 26, 2019	Reconciliation of sum of beg

Data Library SLA Status | DM Data Library - Overview | SLA | Usage | Audits | AOTS

Data Quality DPE Daily Data Library Report

- Report
- AOTS
- **SLA**
- Audits
- Usage

Data Library Status

SLA

SLA is met for

9/9

Critical Tables

Source System wise SLA status

SLA Met? ● Y

100%
50%
0%

(Blank)

SLA SUMMARY   Report for 10/30/2019

Data Library	Table Name	Abbreviated Table Description ▲	Last Loaded	SLA met?	Source Platform	Source Data Description
Advertising	ae_network_list		2019-09-11 09:00	Y		
Advertising	campaign_details		2019-09-11 09:00	Y		
Advertising	campaign_updates		2019-09-11 09:00	Y		
Advertising	fw_all_book_campaign_audit_v4		2019-10-29 18:00	Y		
Advertising	fw_comp_ad_unit_v4		2019-10-29 18:00	Y		
Advertising	fw_comp_creative_rendition_v4		2019-10-29 18:00	Y		
Advertising	fw_comp_site_section_v4		2019-10-29 18:00	Y		
Advertising	fw_comp_video_asset_v4		2019-10-29 18:00	Y		
Advertising	fw_v4_imp_log		2019-10-29 18:00	Y		

Data Quality DPE Daily Data Library Report

Report

AOTS

SLA

Audits

Usage

Data Library Status

For more info click on below links to access the respective audit portal -

**QDM AUDIT PORTAL**

DLDM AUDIT PORTAL

QDM AUDITS

AUDIT NOT RU... 28
CRITICAL 98
OPTIMAL 699
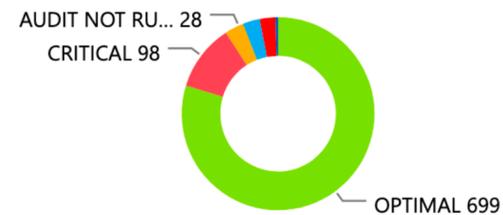
DLDM AUDITS

2199

QDM AUDIT - QUALITY

Consistency 6%
Completeness 29%
Integrity 63%

DLDM AUDIT - QUALITY

Not Classified 9%
Validity 14%
Consistency 48%
Completeness 28%
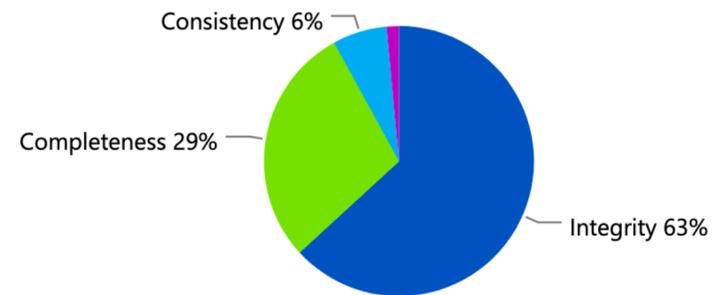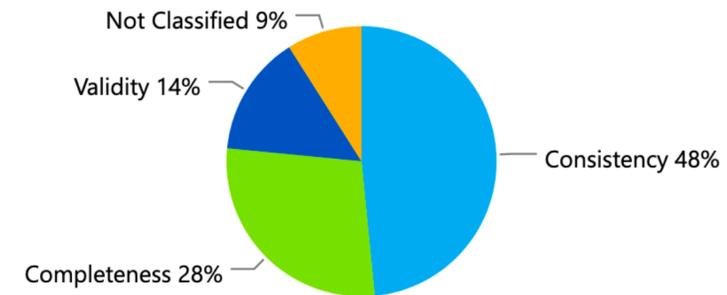
AUDIT SUMMARY:

QDM

Data Library	Audit#	Audit Name	C
Order and Provisioning - Consumer	1106016	SAL Data validity check on LAST_CHANGE_DATE attribute in OPUS-DEBT_DETAILS and poss_debt_dtl on eCDW	C
Billing-Consumer	1104052	A Control between MR2000 and EDW to validate Product Quantity by Charge Code	V

DLDM

Data Library	Audit#	Audit Name	Database Name	Table Nam
Dispatch	3110	Blank/Null Count	ddsfs_gold	60days_job_h
Viewership	1720	Blank/Null Count	qkply_gold	account
Viewership	1721	Blank/Null Count	qkply_gold	account
Account - Consumer	2719	Blank/Null Count	ddsdmsn_gold	acct_sub_mob

Data Quality DPE Daily Data Library Report

Data Library Status

Report
AOTS
SLA
Audits
Usage

Usage for Period: 1/1/2019 to 12/31/2019

System Name	Size in TB	# of Tables
Vertica eCDW	187.4	589
Vertica DWS	0.5	25
Teradata EDW	32.2	233
Total	**395.6**	**5428**

Total Size
395.6
TB

# of Users
7208

Total Object Access Count
48M

Filter User Access by Table

All

Top tables based on Access Counts (Teradata and Vertica)

ALL ⬤ SLA

Data Library	Database Name	Table Name
Billing-Consumer	USAGE	TCTU007_US.
Customer Contact - Consumer	EDWDB	ACCT
Customer Contact - Consumer	EDWDB	SUBSRPTN
Customer Contact - Consumer	EDWDB	PRTY_NM
Customer Contact - Consumer	EDWDB	PRD
Customer Contact - Consumer	EDWDB	ACCT_SUBSR
Customer Contact - Consumer	EDWDB	SUBSRPTN_P
Customer Contact - Consumer	EDWDB	SUBSRPTN_S
Customer Contact - Consumer	EDWDB	LOC_ADDR
Billing-Consumer	EDWVIEWS	BL_STMNT_S
Customer Contact - Consumer	EDWDB	PRTY

Object Access Count Stats (Teradata and Vertica)

- Teradata EDW: 36M
- Teradata eCDW: 10M
- Vertica eCDW: 2M
- Teradata ABS: 0M
- Vertica DWS: 0M

User Access Summary

Name	ATTUID	BU/Department Name
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS

Data Quality DPE Daily Data Library Report

AT&T

- Report
- AOTS
- SLA
- Audits
- **Usage**

Data Library Status

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ALL ⚪ SLA

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Customer Contact - Consumer	EDWDB	ACCT
Customer Contact - Consumer	EDWDB	SUBSRPTN
Customer Contact - Consumer	EDWDB	PRTY_NM
Customer Contact - Consumer	EDWDB	PRD
Customer Contact - Consumer	EDWDB	ACCT_SUBSR
Customer Contact - Consumer	EDWDB	SUBSRPTN_P
Customer Contact - Consumer	EDWDB	SUBSRPTN_S
Customer Contact - Consumer	EDWDB	LOC_ADDR
Billing-Consumer	EDWVIEWS	BL_STMNT_S
Customer Contact - Consumer	EDWDB	PRTY

Object Access Count Stats (Teradata and Vertica)

	Value
Teradata EDW	36M
Teradata eCDW	10M
Vertica eCDW	2M
Teradata ABS	0M
Vertica DWS	0M

User Access Summary

Name	ATTUID	BU/Department Name
A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
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A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
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A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS
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A SRIKAR	AS608S	GLOBAL TECHNOLOGY & OPERATIONS