Data Quality

Test reporting

TASK 9 REPORT

CONTENTS

SUMMARY

During DWH testing on 26/04/2022
57 test cases was approved and executed during testing. Which include:
Smoke - 28 and Critical Path - 29.
5 additional Ad Hoc and Exploratory tests were executed.

71% of smoke and 86% of Critical tests were passed. No high severity defects were detected so we can expect release of DWH on time.

TEST TEAM

Name	Role	Responsibility
Artiom Dolzhenko	Tester	Artifacts and documentation creation. Test cases creation and execution.

TESTING PROCESS DESCRIPTION

Current DWH was tested under Windows 10 Ent x64 environment.
All tests were executed manually using queries in SQLDeveloper and tracking run in TestRail software.

Link to test cases:
https://comatology.testrail.io/index.php?/suites/view/2&group_by=cases:section_id&group_order=asc&display_deleted_cases=0

TIMETABLE

Name	Date	Activity	Duration, hours
Artiom Dolzhenko	26/04/2022	Analysis of DWH requirements	1
Artiom Dolzhenko	26/04/2022	Creating test cases	8
Artiom Dolzhenko	26/04/2022	Running C29	0.3
Artiom Dolzhenko	26/04/2022	Running C31	0.3
Artiom Dolzhenko	26/04/2022	Running C35	0.3
Artiom Dolzhenko	26/04/2022	Running C38	0.3
Artiom Dolzhenko	26/04/2022	Running C41	0.3

Artiom Dolzhenko	26/04/2022	Running C48	0.3
Artiom Dolzhenko	26/04/2022	Running C51	0.3
Artiom Dolzhenko	26/04/2022	Running C58	0.3
Artiom Dolzhenko	26/04/2022	Running C59	0.3
Artiom Dolzhenko	26/04/2022	Running C60	0.3
Artiom Dolzhenko	26/04/2022	Running C61	0.3
Artiom Dolzhenko	26/04/2022	Running C74	0.3
Artiom Dolzhenko	26/04/2022	Defect reporting	2
Artiom Dolzhenko	28/04/2022	Test result reporting	1

NEW DEFECTS STATISTICS

		Severity			
Status	Quantity	Low	Medium	Major	Critical
Submitted	**12**	**3**	**7**	**0**	**2**
Fixed	**0**	**0**	**0**	**0**	**0**
Verified	**0**	**0**	**0**	**0**	**0**
Reopened	**0**	**0**	**0**	**0**	**0**
Declined	**0**	**0**	**0**	**0**	**0**

NEW DEFECTS LIST

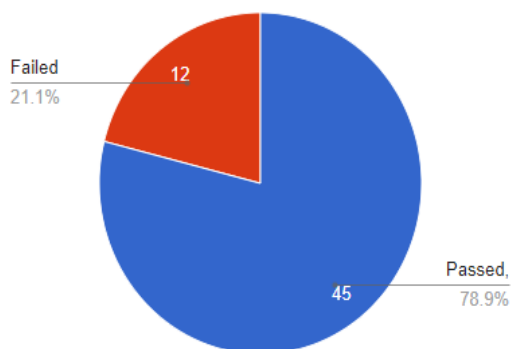| ID	Severity	Summary
9	Critical	176 rows in CLIENT_DB.S1_SALES table aren't loaded
10	Critical	5 Unloaded Rows in LND_LAYER.S2_CLIENT_SALES
2	Medium	Incorrect Data length in LND_LAYER.S1_PRODUCTS

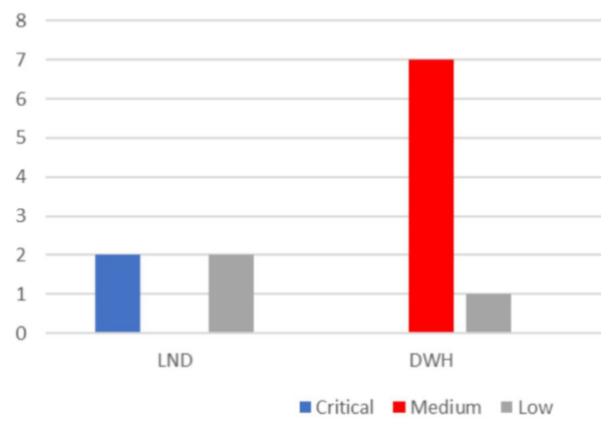| 3	Medium	Incorrect Data length in LND_LAYER.S2_LOCATIONS
4	Medium	Incorrect Column Name in DWH_LAYER.DWH_CLIENTS
5	Medium	Incorrect Data Type and Constraint Type in DWH_LAYER.DWH_CHANNELS
6	Medium	Incorrect Column Name and Precision in DM_LAYER.DM_MAIN_DASHBOARD
12	Medium	Incorrect Data Type in DWH_LAYER.DWH_LOCATIONS.
11	Medium	Incorrect Constraint. 3 Columns Affected in DWH_LAYER.DWH_SALES Table.
1	Low	Invalid column name "CHANNELLLOCATION" in the LND_LAYER.S1_CHANNELS
7	Low	11 Duplicated Rows in LND_LAYER.S1_CLIENTS
8	Low	5 Duplicated Rows in LND_LAYER.S2_LOCATIONS

RECOMMENDATIONS

To improve the quality of execution, the development team and the data quality engineering team should be increased by at least 2 people. Test automation should be used to simplify and speed up the testing process. For deeper testing, several more specific test cases should be created.

ATTACHMENTS

Tests by layers