Test Summary Report: Validation of Data Masking Implementation for Payment Related Columns

Date: May 10, 2023

1. Introduction: The purpose of this test summary report is to document the validation process and results of the data masking implementation for payment-related columns in the tables. The data masking rule specifies that for data created on or after May 26, 2023, the payment information should be masked and set as 0.
2. Testing Objective: The objective of this validation was to ensure that the data masking implementation for payment-related columns is working as expected. Specifically, we aimed to verify that the latest records created on or after May 26, 2023, contain 0 instead of valid payment information.
3. Test Environment:

* Azure Data Studio version: [Specify version]
* Database server: [Specify server name]
* Database: [Specify database name]

1. Test Execution: The following steps were performed to validate the data masking implementation:

Step 1: Preparing Test Data

* Created a set of test data with various payment-related columns, including payment amounts, credit card numbers, and bank account details.
* Ensured that the test data included records created before and after May 26, 2023.

Step 2: Data Masking Implementation

* Applied the data masking rule to the payment-related columns in the relevant tables.
* Verified that the data masking rule was set up correctly.

Step 3: Test Execution

* Executed queries to retrieve the latest records from the tables containing payment-related columns.
* Compared the actual results with the expected results, checking if the payment information was masked and set as 0 for records created on or after May 26, 2023.

1. Test Results:

* The test team successfully executed the validation tests.
* For the latest records created on or after May 26, 2023, the payment-related columns were masked and set as 0, in line with the data masking implementation.
* The actual results matched the expected results, indicating that the data masking for payment-related columns is functioning as intended.

1. Conclusion: Based on the test results, the validation of the data masking implementation for payment-related columns was successful. The latest records created on or after May 26, 2023, have been verified to contain 0 instead of valid payment information, confirming the proper functioning of the data masking rule.
2. Recommendations:

* It is recommended to perform additional tests and validations whenever changes are made to the data masking implementation or any related processes.
* Regularly review and monitor the data masking rule to ensure its effectiveness and alignment with regulatory and security requirements.

1. Appendix:

* Test data details (Sample records created before and after May 26, 2023).
* SQL queries used for validation.
* Screenshots or other relevant supporting materials.

Please note that this test summary report provides a high-level overview of the validation process and results. For more detailed information, please refer to the complete test documentation.