

INFOSYS DATA MASKING

Masking sensitive data in lower testing environment effectively

Data quality is of utmost importance while testing any application. It takes a lot of time and effort from testing team to create testing data in sandbox. A viable option is to refresh sandbox with production data, but it comes with data security issues as

sensitive customer data might be exposed to unintended recipients. Hence, lot of resources and time is spent on masking data in test environment (partial/full sandbox), from production environment to ensure protection of sensitive

production information or Personally Identifiable Information (PII). During the manual masking process, data could be unintentionally accessible during masking and uploading process, leading to data security issues.

This raises 2 important questions:

- If there is an efficient way to mask the most sensitive data sent in partial or full sandboxes
- If there is a masking solution that will mask the data with varying levels of masking based on the sensitivity and criticality of data



Infosys Data Masking is a Salesforce-based application to eliminate manual data masking and automate masking process to ensure test data is masked/encrypted in sandbox/testing environment. This would ensure that PII and other sensitive information is not available to testing team without hampering any existing functionality. This leads to significant time saving and effort for test data creation and ensures that test quality is as per production environment.

Application features

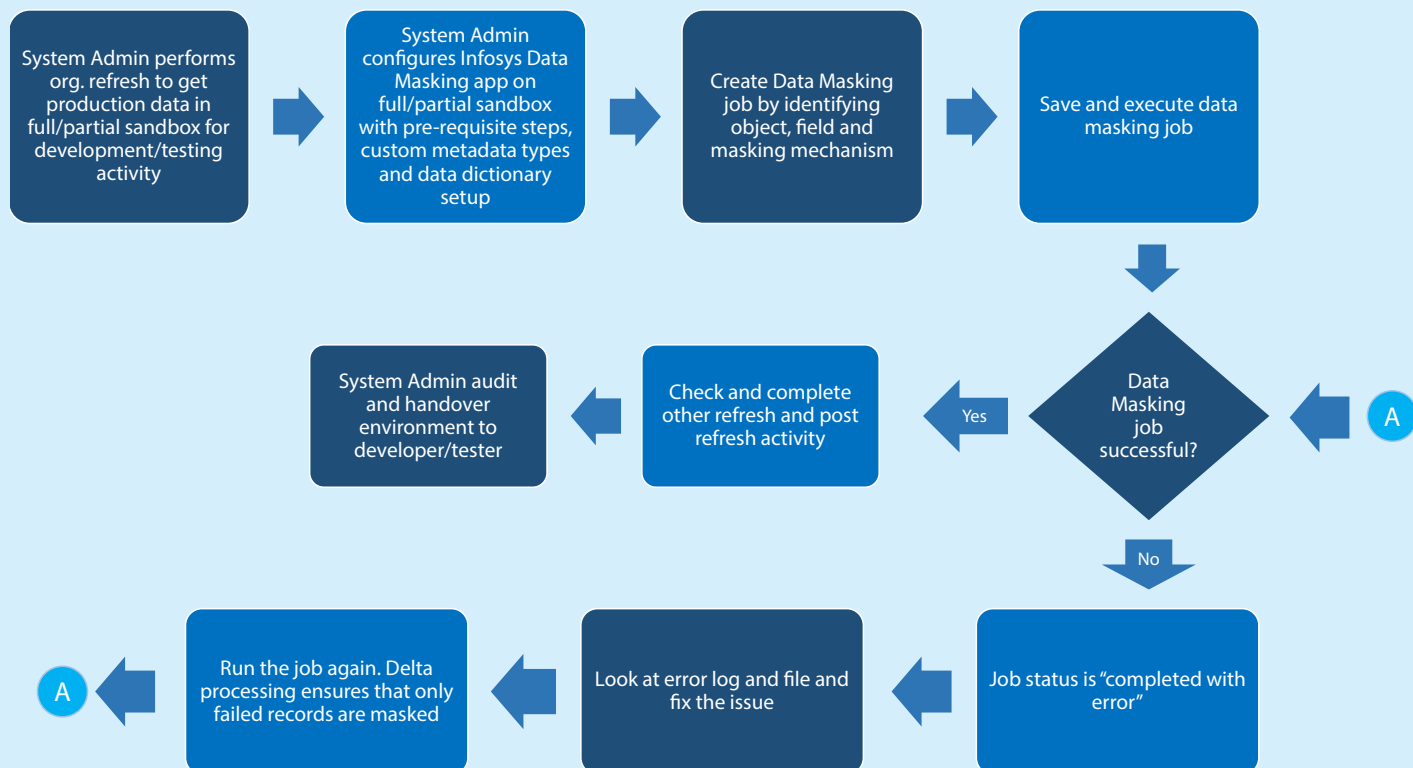
- Eliminates manual data masking
- Easy to use intuitive UI for masking of data
- Multiple masking techniques like Substitution, Shuffling, Encryption, Masked Out and Randomization to mask data based on testing requirement
- Robust error handling functionality
- Capability to export data masking job to other testing environment

Application benefits

- Automates masking of sensitive data in sandboxes ensuring quality test data
- Significant time and effort reduction while improving job efficiency and data masking process
- Ensures compliance with data security and data privacy regulations
- Flexibility to use different masking mechanism per business requirements
- Irreversible masking process ensuring the data is not reproduced
- Reduces risk of compromised data following a security breach
- Flexibility to exclude object and fields not required for data masking



Process flow



Infosys Data Masking application assures that the rights and privileges of customers associated with privacy and confidentiality of data is sacrosanct while ensuring that data masking is integral to any data security strategy.

For more information, contact askus@infosys.com

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