

IBM Intelligent Data Genie for SAP Solutions

Automated Synthetic Data Generation for Faster SAP Testing and Development



Highlights

Select Relevant SAP Tables based on SAP Metadata

Choose Desired Fields from the SAP Tables

Generate Synthetic Data using Value Restrictions

Download the data for loading in SAP.

IBM Intelligent Data Genie for SAP Solutions is a solution that addresses the challenge of obtaining high-quality testing data for SAP systems. Many organizations struggle with the complexities and risks associated with using sensitive production data for testing, including data privacy concerns, compliance issues, and the burden of data masking. Additionally, manually creating test data can be time-consuming and prone to errors. SAP Data Genie generates realistic, fictional data for testing and development purposes, leveraging SAP metadata to select relevant tables and choose desired fields for Master Data domains in SAP.

IBM Intelligent Data Genie for SAP Solutions generates synthetic data by leveraging SAP metadata, allowing users to select relevant tables, choose desired fields, and define value restrictions. It then creates realistic, fictional data that mimics real-world characteristics, which can be downloaded in Excel format for easy upload into SAP systems. This intuitive process streamlines data generation, enabling organizations to efficiently create high-quality test data. It also takes into account the relationships between the different SAP tables, so that the data can be directly uploaded on the system.

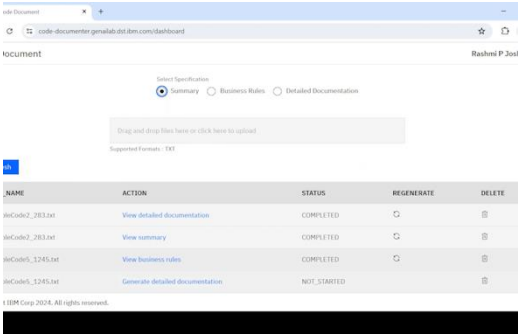


Figure 1 Intelligent Code Documentation dashboard

Select Relevant SAP Tables based on SAP Metadata

Leverage SAP metadata to browse and select relevant tables for synthetic data generation, ensuring accuracy and consistency. Choose from a wide range of SAP tables, including Material Master, Customer Master, and Vendor Master, to create comprehensive test data sets.

Choose Desired Fields from the SAP Tables

Select specific fields from the chosen SAP tables to tailor the synthetic data generation to your testing needs, with options to include or exclude fields as required. Define the scope of your test data by choosing fields such as material descriptions, customer addresses, or vendor details, and more

Generate Synthetic Data using Value Restrictions.

Apply value restrictions to control the generated synthetic data, ensuring it meets specific testing requirements and mimics real-world scenarios. Define rules for data generation, such as data formats, ranges, and distributions, to create realistic and relevant synthetic data for your SAP testing needs.

Download the data for loading in SAP for all the generated tables.

Download the generated synthetic data in Excel format, ready for easy upload into your SAP system, with all selected tables and fields populated with realistic and consistent data. Export the data in a format compatible with SAP's data loading tools, such as LSMW or SAP Data Services, to streamline the testing process and reduce data loading errors.

Conclusion:

IBM Intelligent Data Genie for SAP Solutions generates synthetic test data for SAP systems, transforming the way organizations approach testing and development. By leveraging this innovative tool, clients can reap a multitude of benefits, including significantly reduced data privacy risks, as sensitive production data is no longer required for testing. Additionally, the IBM Intelligent Data Genie for SAP Solutions increases testing efficiency by automating the data generation process, freeing up valuable resources and reducing the time spent on manual data creation. Furthermore, the solution improves data quality by generating realistic and consistent test data, which in turn enhances the accuracy and reliability of test results. As a result, clients can accelerate their SAP projects, reduce costs associated with manual data creation and testing, and ultimately enhance system performance.

Why IBM

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For more information

To learn more about IBM Intelligent Vendor Onboarding for SAP Solutions contact your IBM representative or IBM Business Partner, or visit <https://ibm.biz/IBM-SAP-Value-Generation>

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