

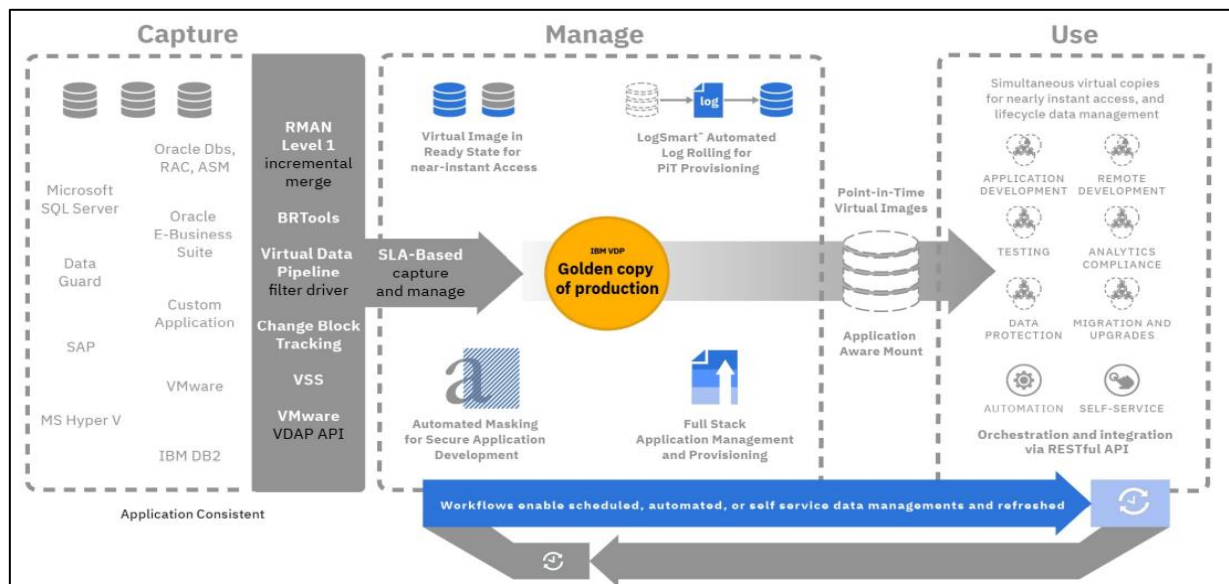
Data Masking and Virtualization for Development and Test Environments

For development purposes, organizations have to copy data from work systems to staging or test systems to allow internal or external developers to develop and test them on real data. The problem is that work data copies often contain confidential, important information about organizations or personal information with restricted access by normative acts. Companies have always kept confidential, personal or confidential information in their working databases. These organizations must protect this information use and distribution under the regulations, or they risk paying fines and penalties in these data privacy laws.

A complex solution for real data exchange both inside and outside the organization, performing masking and virtualization functions is achieved using IBM technologies – IBM InfoSphere® Optim and InfoSphere Virtual Data Pipeline (VDP) synergy.

InfoSphere Virtual Data Pipeline (VDP) helps to achieve interaction and coordination between development teams by accelerating the data delivery to test environments from developer to tester. VDP manages all your data through a single platform, using only a production data copy. And allows IT administrators to provide access to a masked copy of productive data at any time via a self-service interface.

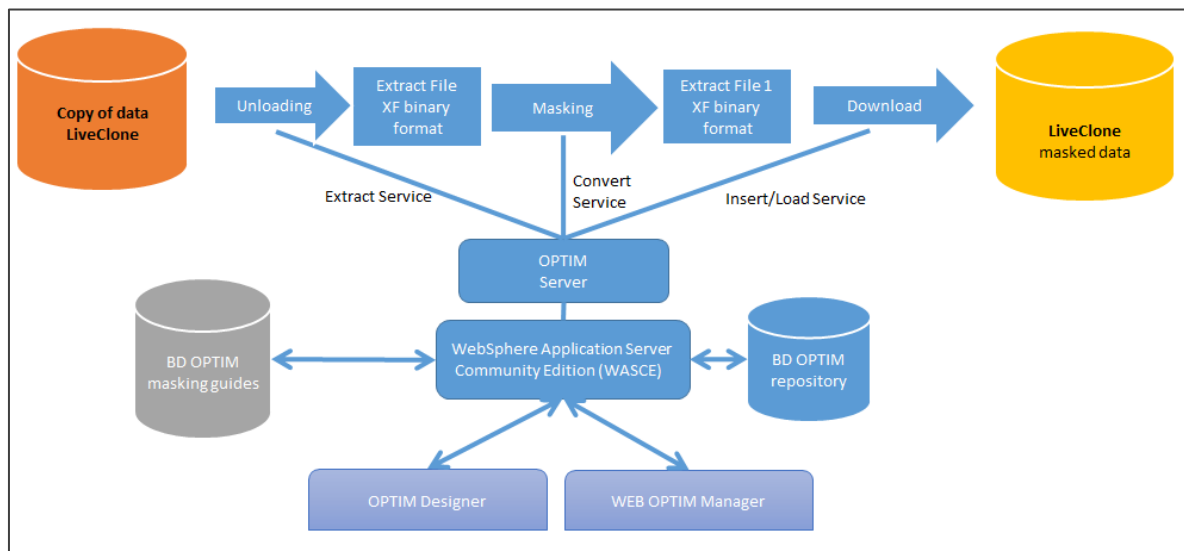
Virtual Data Pipeline for Development and Testing Environments



IBM InfoSphere® Optim™ provides a wide range of capabilities for effective masking of confidential data in development, quality testing or learning environments.

To protect confidential data, various methods are proposed that replace confidential information with realistic, fully functional, masked data, while maintaining a format similar to original information. Masked data are as similar as possible to the original. At the same time, the test environments remain fully functional and realistic, which allows you to develop and adapt the high-quality program code.

IBM OPTIM Data Privacy masking process



IBM technologies provide a simple solution – effective virtualization of all copies of Production Data (VDP) with masking data (IBM OPTIM Data Privacy) for use in development and testing.

Key Features:

- Program and database integrity;
- Provide templates and define rules;
- Ensuring reporting and management capabilities.

Data Masking Technology:

- Static Data Masking (SDM);
- Dynamic Data Masking (DDM);
- Masked data generation.

Platforms Connectivity for data masking:

- СУБД: Oracle, SQL Server, DB2, ASE, MySQL, PostgreSQL etc.;
- Mainframe files/databases;
- Windows, Linux/Unix, Z/OS and etc..

Solution Benefits:

- Masking is done streaming in files, saving resources and licenses database licenses.
- Masked data takes into account Ukraine's data features, company name, address, full name, passport and all algorithms for generating checksums EDRPOU, TIN, credit card.
- Masked data is as similar as possible to real data – almost impossible to find a difference.
- Масштабируемость – для сокращения времени маскирование имеет возможность работы в параллель.
- Has a user-friendly interface.
- Configuring Masking without Developers.
- Developed reporting, auditing, monitoring tools.

You can find more information about RDTEX services IBM i2 related technologies at www.rdtex.ua

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