

Enterprise Masked Data Repository with Integrated Production Data

Challenge

Data is the most valuable asset to an organization. Safeguarding customer data is a priority not only to meet different government regulations but also to increase customer satisfaction and increase organizational brand value.

However, the organization also requires an integrated set of production data to testify the technological solutions developed to meet different business requirements.

Production data with sensitive information cannot be used in the testing region. PHI information needs to be identified and masked before the data is used in the testing region.

Background

The client is a US health care insurance company providing a range of traditional and consumer directed health care insurance products and related services, including medical, pharmaceutical, dental, behavioral health, group life, long-term care, and disability plans, and medical management capabilities.

Solution

HTC's strategic team provided the following solutions:

- Created Enterprise masked data repository with integrated set of masked production data
- The data in the masked data repository was relationally intact
- IBM OPTIM supported various platforms and databases including Mainframe z/OS and Unix
- The masked data repository can extract production data based on relationships. The execution was fast and accurate
- The extracted data will be in the OPTIM proprietary format, hence secured
- The data was masked using the masking strength of OPTIM tool
- Various user defined masking algorithms were written to meet customer satisfaction
- Original format of data was maintained even after masking, hence the masked data looked similar to real. This was to ensure there was no business impact



- Over 25 years of IT and BPO experience in providing cost effective and innovative services across domains for a wide spectrum of global 2000 customers
- Quality and information security processes compliant to SEI CMM Level 5, ISO 9001, ISO 27001 and PCI DSS standards
- Global presence, large delivery centers, talented professionals, capabilities across multiple technologies, platforms and domains