

THE LEADER IN MANAGING PATIENT CARE TO THE HOME IN U.S.

DATA MASKING CASE STUDY

CHALLENGE

This leading health care company works with payers and providers to improve quality and lower costs by managing patient care to the home. In 2016 they generated over \$1 billion in revenue and serves thousands of members in their homes. Their established IT infrastructure is comprised of both custom and packaged applications using Oracle and AS400 (i-Series) storing data in DB2 and flat files. They faced several masking challenges that Axis was able to address:

- Volume of data was a challenge on the AS400 platform and a bigger challenge on Oracle where they are masking billions of rows
- There were no firm requirements about how the sensitive data attributes should be masked.
- Inspection of the sensitive data inventory discovered that many of the columns being flagged required additional analysis and customization of the profiler.
- In many cases data attributes were being stored in different formats (all upper case, mixed case, all lower case) but needed to be masked consistently across platforms in the expected case
- Used powerful, innovative on-the-fly masking strategy to improve masking performance and avoid key field limitations on AS400

SOLUTION

The Axis Data Services Team was engaged to deliver masking of the in scope applications in order to meet aggressive deadlines. Using Delphix Masking the team accomplished:

- Profiled all database schemas, and file formats
- Reviewed sensitive data inventories with application subject matter experts (SME's).
- Masked discovered PHI in all database schemas and files to comply with HIPAA regulations and application requirements
- Provided documentation including best practice and all custom configurations/job setup required to support masking to Information Security team and Application teams

RESULTS

The Axis Data Masking Factory solution delivered outstanding results:

- Axis profiled and masked 301 tables as well as files in various formats including delimited, fixed-width/positional, and excel
- Axis masked a total of 220,523,506 rows of data.
- Axis was able to help the client meet their deadline to enable the testing team to move forward.
- Client signed an extension to provide transition support and masking expertise
- The client was able to consistently apply their corporate data security standards with minimal impact to the ongoing software development process.