

Data Record Masking in the insurance industry

Concerns about data sharing and data confidentiality mean that many organisations now mask personal identifiers. This is especially the case when it comes to secondary usage (where data is used for purposes other than those for which it was originally collected — typically policies and claims for the insurance industry). To mask data, individual names and addresses are pseudonymised to ensure that individual users cannot be identified.

While data pseudonymisation, or ‘masking’, is a simple concept, insurers typically have significant legacy systems, which makes scaling out a pilot deployment to cover multiple data sources technically challenging, costly and inconsistent. Northdoor offers a data masking solution that can be easily integrated with your existing systems and that fully automates the pseudonymisation process.

The Northdoor solution

Northdoor’s Data Record Masking solution is designed to give insurers the capability to safeguard personal and sensitive information.

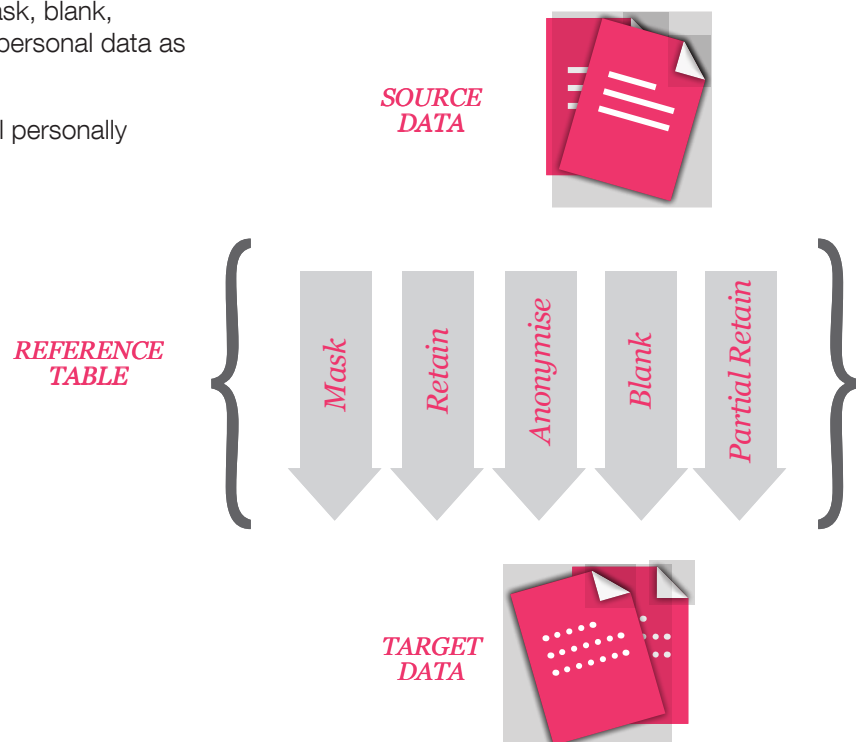
The Data Record Masking solution from Northdoor enables you to:

- Rapidly deliver fully masked data sets
- Mask data from an extensive range of structured data sources
- Create new and unique reference codes in an automated manner for each run of a report
- Use in-built custom routines to mask, blank, anonymise or partially anonymise personal data as required
- Take full control and ensure that all personally identifiable data is protected.

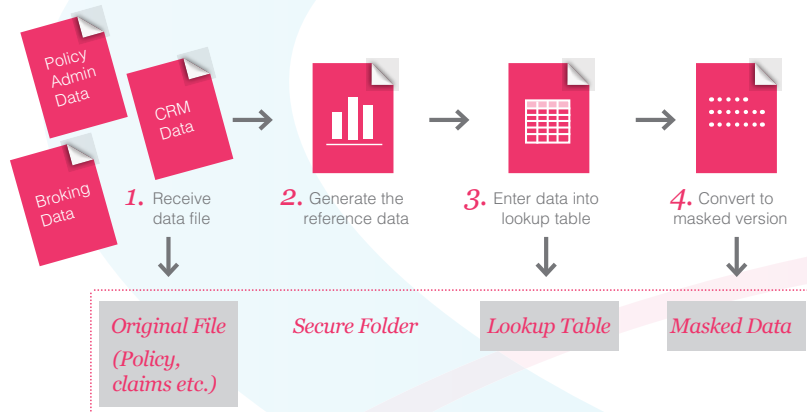
Full protection

Deploying the Northdoor Data Record Masking solution in-house removes the need to approve exceptions or send data off-site where you cannot monitor who has access to it. The solution also enables the easy generation of valid sample data for use in modelling, system development or training, significantly reducing both the cost and the potential for error inherent in creating sample data from scratch.

All masked reference codes remain within the original organisation and are tied to the source data. This enables authorised staff to trace back individual details should the need arise.



Insurance workflow example



Key features

- Fully automated in-house masking process
- Standardised scalable tool for multiple data sources
- Keep all data within your organisation's domain
- Masking process can be reversed to produce the original data
- Mask, blank, anonymise or partially anonymise individual data as required.

Back-tracking example

1. CONFIRM ACCESS TO DATA



2. APPLY REVERSAL PROCESSES



3. EXTRACT



Benefits

Northdoor has a track record of more than 20 years in insurance, implementing technology solutions that deliver tangible business results. We have the industry expertise and technical excellence to advise on, and implement, solutions to safeguard your data and help mitigate financial, reputational and operational risks. Regardless of the size of your business, Northdoor's Data Record Masking solution will enable you to:

- Demonstrate rigorous pseudonymisation to auditors
- Fully automate the masking process for speed and accuracy
- Anonymise data for training and system development as required
- Reduce the risk of financial penalties.

About Northdoor

Northdoor provides integrated information technology solutions. Its services encompass consultancy, application development, enterprise infrastructure and IT support, and managed services. Founded in 1989 to serve the London Market, Northdoor has extended its expertise in insurance and banking to sectors such as public sector, media, retail and property. Northdoor has a collaborative and high-touch approach in delivering tailored solutions that help clients to achieve their business objectives.