

DMsuite™ is the premier multi-user web-based Data Masking application for generating *custom* segmented mapping algorithms.

With DMSuite, you can create custom segmented mapping algorithms to create unique values, to support primary key columns. You create unique masked values by dividing a target value into separate segments and masking each segment individually. You can preserve the semantically rich part of a value while providing a unique value for the remainder.

Example

Perhaps you have an account number for which you need to create a segmented mapping algorithm. You can separate the account number into segments, preserving the first two-character segment, replacing a segment with a specific value, and preserving a hyphen.

The following is a sample value for this account number:

NM831026-04

Where:

- **NM** is a plan code number that you want to preserve, always a two-character alphanumeric code.
- **831026** is the uniquely identifiable account number. To ensure that you do not inadvertently create actual account numbers, you can replace the first two digits with a sequence that never appears in your account numbers in that location. (For example, you can replace the first two digits (83 in the example) with 98 because 98 is never used as the first two digits of an account number.) To do that, you want to split these six digits into two segments. You want to replace the second segment (1026 in the example) with random numbers.
- **-04** is a location code. You want to preserve the hyphen and you can replace the two digits with a number within a range (possibly a range of 1 to 77).

The sample value NM831026-04 might be masked to **NM981291-77**.

Key Features

- Mask numeric and alphanumeric segments.
- Mask 2 to 6 segments, each between 2 and 6 characters long.
- Preserve the semantically rich portion of the data, any number of segments.
- Create custom ranges for replacement values.
- Provide the ability to later certify data.

Numeric and Alphanumeric Segments

With DMSuite segmented mapping, you can mask numeric *and* alphanumeric segments. Numeric segments are masked as whole segments (for example, 3 digits are replaced with a 3-digit range, rather than replaced one digit at a time). Alphanumeric segments are masked by individual character.

Example: A 3-digit numeric segment (123) is masked to a range between 0 and 555. A 3-character alphanumeric segment (A2Z) is masked to a range of A to N for the first character, a range of 0 to 9 for the second character, and a range of M to Z for the last character.

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