

**1. Description**

- 1.1 This solution is an add-on that supplements our solution Card Data Tokenization and that provides batch tokenization capabilities. This system securely tokenizes the payment card numbers in a file by replacing them with “format-preserving” tokens or vice versa
- 1.2 This solution acts as a protective barrier between Customer and any Customer Selected Provider that needs to transmit card-sensitive data to Customer.
- 1.3 In a nutshell, this solution sits between the Customer (who receives/sends tokens, through batch files) and a Customer Selected Provider (who receives/sends payment card data in raw, through batch files).
- 1.4 This solution intercepts card data from offline files via SFTP (Secure File Transfer Protocol), or in case of tokenized files via FTP (Filed Transfer Protocol).
- 1.5 Once intercepted, this solution, in conjunction with our Card Data Tokenization, will replace the PAN (Primary Account Number) for a token in the file containing PAN data before such information is transmitted to Customer, via batch file.
- 1.6 This solution also offers the reverse process of batch detokenization for files transmitted through outbound links between Customer and the applicable Customer Selected Providers (such as acquirers or fraud providers).
- 1.7 Batch tokenization and detokenization requests are sent at once via batch files. This solution also supports both directions, from Customer to the Customer Selected Providers, and from Customer Selected Providers to Customer.

**2. How does the solution work?**

- 2.1 The Customer or the relevant Customer Selected Provider’s application will generate a file containing tokens or card data in raw.
- 2.2 Customer submits these files to this solution.
- 2.3 This solution, in conjunction with our Card Data Tokenization, will replace the tokens contained in the file with the corresponding payment card number previously stored (or vice versa), without changing the format of the file.
- 2.4 After replacing tokens with payment card numbers (or vice versa), this solution submits the file to the relevant Customer Selected Provider’s system or to the Customer, as the case may be.

**3. Disclaimers and limitations**

- 3.1 This solution accepts the following file formats: position in Line, CSV. For compressed files: ZIP, GZIP and TAR.GZ.
- 3.2 The processed reply files are always in GZIP format.
- 3.3 The maximum size this solution can handle is 1,000,000 cards/tokens per file.
- 3.4 This solution cannot:
  - 3.4.1 Process multiple cards/tokens in the same field.
  - 3.4.2 Replace cards/tokens in a different field from where they were originally input (for example, a token that was in field 1 cannot be replaced with a card in field 2).
  - 3.4.3 Support file conversion (for example, if a file e is in hexadecimal/binary format, it needs to be converted before the tokens can be detokenized).

**4. Dependencies**

- 4.1 Customer must have contracted and implemented our solution Card Data Tokenization.
- 4.2 No data will be shared with Bespoke Providers until Customer procures and provides the relevant [terms of use](#) signed by the relevant Bespoke Provider.

**5. Integrations**

- 5.1 This solution can be integrated into Customer’s back ends via SFTP.
- 5.2 Other integrations with Customer’s front and back ends may be available, subject to further scoping.