

Fiserv Bulk Tokenization Merchant File Specification

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MERCHANT FILE REQUEST – PAN FILE

This is the request file to be sent by the Merchants to Fiserv to request bulk tokenization.

File size

The maximum file size supported by Fiserv mailbox is 5 Gigabytes. This applies for both Request and response file.

File Naming Convention

<7_CHAR_OF_FISERV_TRID>.D<YYMMDD>.T<HHMMSS>

Sample file names: MSTF202I.D220101.T020114, AAA008UI.D221020.T020515, etc.

File should be PGP encrypted (file extension .pgp)

File Header

Include only the values, comma separated

FIELD Name	Required?	Data Type	Min/Max	Description
Fiserv-Trid	Y	Alphanumeric	Min-8 Max-8	
Total#OfRecords	Y	Integer	Min-1 Max-250000	The total number or records that file contains
CreationDateTime	Y	String	NA	File creation timestamp EPOCH

Sample header: AAA008UU,1000,1639600701

File Content

Values should be comma separated

FIELD Name	Required?	Data Type	Min/Max	Description
Item-Count	Y	Integer	Min-1 Max-250000	Starts from 1 sequentially till end
Merchant-Unique-Id	Y	Alphanumeric uuid	NA	Could be a custom initial number *Merchant driven
Merchant-Name	Y	String	NA	

Fiserv-TRID	Y	Alphanumeric	Min-8 Max-8	
Card-Brand	Y	String	Min-2 char Max-2 char	VI/DI/MC/AX
Full-Card-Number	Y	Integer	Min-12 Max-19	PAN
Card-Exp-Month	Y	Integer	Min-2 Max-2	The 2-digit combination accepted are: 01,02,03,04,05,06,07,08,09,10,11,12
Card-Exp-Year	Y	Integer	Min-4 Max-4	

Sample Content:

1,1033301,HAW TEAM1,AAA008UU,AX,411111111111111111,10,2023

File Footer

Values should be comma separated

FIELD Name	Required?	Data Type	Min/Max	Description
Total#ofRecords	Y	Integer	Min-1 Max-250000	
EOF	N	NA	NA	File ends here, no more characters or indicators needed

Sample Footer: 100

Example:

MSTF202I.D220101.T020114.pgp

AAA008UU,1,1639600701 1,1033301,HAW TEAM1,AAA008UU,AX,411111111111111111,10,2023 1
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MERCHANT FILE RESPONSE

This is the response file sent by Fiserv that includes the results of tokenization process for a request file

File size

The maximum file size supported by Fiserv mailbox is 5 Gigabytes. This applies for both Request and response file.

File Naming Convention

<7_CHAR_OF_FISERV_TRID>I.D<YYMMDD>.T<HHMMSS>

Sample file names: MSTF202I.D220101.T020114, AAA008UI.D221020.T020515, etc.

File is .csv

File Header

Values are comma separated

FIELD Name	Required?	Data Type	Min/Max	Description
Fiserv-TRID	Y	Alphanumeric	Min-8 Max-8	
Total#ofRecords	Y	Integer	Min-1 Max-250000	The total number or records that file contains
CreationDateTime	Y	Timestamp	Min-22 Max-22	File creation timestamp - yyyy-MM-dd HH:mm:ss.SSS
FileFormat	Y	String	NA	1.VALID 2.REJECTED (Due to formatting issues)
Reason	Y	String	NA	00 Accepted file
				01 Header Record mismatch
				02 Invalid records
				03 Corrupted file
				04 Invalid Header TRID

Sample Header: AAA008UU,1000,2022-03-07 13:21:00.015,VALID,Accepted file

File Content

Values are comma separated

FIELD Name	Required ?	Data Type	Min/Max	Description
Item-Count	Y	Integer	Min-1 Max-250000	Starts from 1 sequentially till end
Merchant-Unique-Id	Y	Alphanumeric uuid	NA	Could be a custom initial number *Merchant driven
Merchant-Name	Y	String	NA	
Network Token	Conditional	Integer	Min-12 digits Max-19 digits	ONLY Present when Reason code is 00
Token-Exp-Month	Conditional	Integer	Min-2 digits Max-2 digits	ONLY Present when Reason code is 00
Token-Exp-Year	Conditional	Integer	Min-4 digits Max-4 digits	ONLY Present when Reason code is 00
BIN	Y	Integer	Min-6 digits Max-6 digits	
PAR ID	Conditional	Integer	Min-29 digits Max-29 digits	ONLY Present when Reason code is 00
Error-code	Conditional	String	NA	ONLY Present when Reason code is, 01 02, 03, 04
Reason-code	Y	String	NA	<div> <div><TSP_ERROR_CODE></div> <div> <ul style="list-style-type: none"> Provisioning process failed </div> </div>

					<ul style="list-style-type: none"> Reason-code=02
				Unprocessed by TSP	<ul style="list-style-type: none"> Record was left unprocessed by TSP after X amount of time Reason-code=03
				<NTI_ERROR_CODE>	<ul style="list-style-type: none"> NTI vault process failed Reason-code=04
Status	Y	String	NA	00 - Correct File Record 01 - Error File Record 02- TSP error code 03 - Unprocessed by TSP 04- NTI error code (Vault failed)	
TSP TRID	Y	String	Min-1 Max-75		
Fiserv-TRID	Y	Alphanumeric	Min-8 Max-8		
Card-Brand	Y	String	Min-2 char Max-2 char	VI/DI/MC/AX	

Sample Content:

1,99091250,Microsoft,4895370015931097,10,24,462294,V0010013021085742998599821459,,00,COMPLETED,40000000082,AAA008UU,VI

File Footer

Values are comma separated

FIELD Name	Required?	Data Type	Min/Max	Description
Total#ofRecords	Y	Integer	Min-1 Max-250000	
EOF	N	NA	NA	File ends here, no more characters or indicators needed

Sample Footer: 100

Example:

MSTF202I.D220106.T020114.csv

```
AAA008UU,1000,2022-03-07 13:21:00.015,VALID,Accepted file  
itemCount,merchantUniqueId,merchantName,networkToken,tokenExpiryMonth,tokenExpiryYear,bin,p  
arId,errorCode,reasonCode,status,tspTrid,fiservTrid,cardBrand  
1,99091250,Microsoft,4895370015931097,10,24,462294,V0010013021085742998599821459,,00,COMPLE  
TED,40000000082,AAA008UU,VI  
2,99091250,Microsoft,4895370015937326,07,31,462294,V0010013021085738882112369957,,00,COMPLE  
TED,40000000082,AAA008UU,VI  
3,99091250,Microsoft,4895370015932574,03,33,462294,V0010013021085745739530841993,,00,COMPLE  
TED,40000000082,AAA008UU,VI  
4,99091250,Microsoft,4895370015918706,02,28,462294,V0010013021085734045491437242,,00,COMPLE  
TED,40000000082,AAA008UU,VI  
5,99091250,Microsoft,4895370015935106,04,25,462294,V0010013021085727825922082798,,00,COMPLE  
TED,40000000082,AAA008UU,VI  
5
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