
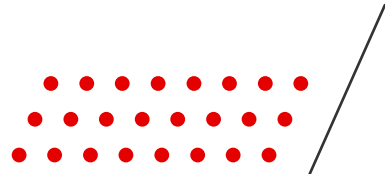


The Sabre logo is displayed in white, bold, italicized text on a red rectangular background. The background of the slide features a woman with long brown hair and glasses, wearing a dark blue sweater, sitting at a table and working on a laptop. She is holding a credit card in her left hand. The setting appears to be an outdoor balcony with a black metal railing.

**Sabre**

Credit Card Anonymization / \*FOP  
Form of Payment field

A solid red horizontal bar.A decorative graphic in the bottom right corner consisting of a grid of red dots and a diagonal line.

# Topics



- 1 Credit Card Anonymization
- 2 FOP Wallet
- 3 Interface User Record (IUR) Form of Payment Wallet

# CREDIT CARD ANONYMIZATION

The background is a solid red color. In the top right corner, there are several thick, parallel red lines forming a geometric, angular shape. In the bottom right corner, there is a pattern of small white dots arranged in a grid-like fashion, with some dots missing to create a textured effect. A thin white horizontal line is positioned below the first few letters of the title.

# Credit Card Anonymization



Sabre continues to enhance its internal controls to further guard against the unauthorized inclusion of PCI in unsecured free text Reservation. As part of this continuing effort, Sabre has instituted the use of Luhn Algorithm, a third-party formula widely used in validating payment card number legitimacy.

This enhanced control provides added security with anonymization (removal) of potential payment card data should it be placed in unsecured free text Reservation fields. Once the data is permanently removed from a Reservation field, it is no longer available.

Implementation of this enhanced control has already been implemented on various Reservation fields, such as Received From, Name Field Reference, Ticket Arrangement, Other Service Information (OSI), and Reservation History for new and updated fields.

The next release for anonymization using Luhn Algorithm will be applied to the Reservation Remark fields listed below.

# Credit Card Anonymization



## **Stage 1 Remarks: CERT July 25, 2023 / PROD October 3, 2023**

- Future Queue Remarks (5Q-)
- Delivery Address Remarks (5DL-)
- Customer Address Remarks (5/)
- Corporate Number Remarks (5C-CORP)

## **Stage 2 Remarks: CERT August 16th, 2023 / PROD November 1, 2023**

- General Remarks (5)
- Historical Remarks (5H-)
- Hidden Remarks (5HR-)

## **Stage 3 Remarks: CERT November 13, 2023 / PROD 2Q 2024**

- Alpha Coded Remarks of any type; includes 5H¥ and 5C¥ moved from Sabre Profiles
- Itinerary Remarks (examples: 5¥ and 5¥Sx)
- Invoice Remarks (examples: 5. and 5.Sx)
- IUR Remarks (examples: 5. and 5X/- )

# Credit Card Anonymization

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- **New Reservations:** At time of End Transact (ET), the Luhn Algorithm is applied to identify potential payment card data in non-protected Reservation fields. If a match is found, the payment card data is permanently removed from the non-protected Reservation field.
- **Existing Reservations:** At time of End Transact (ET) of an existing Reservation, the Luhn Algorithm is applied to identify potential payment card data in non-protected Reservation fields. If a match is found, the payment card data is permanently removed from the nonprotected Reservation field.
- Luhn Algorithm processing is applied regardless of if the payment card data found in the Reservation is masked or appears in cleartext.
- Anonymized payment card data appears in the Reservation showing the first and last 4 digits of the payment card. Dashes exist where the payment card data has been anonymized (removed) from Sabre. (i.e., VI4-----1111 EXP 10/22).
- Anonymization is applied to Reservation History created or updated after the implementation

# FOP WALLET

The background is a solid red color. In the upper right, there are several thick red lines forming a geometric shape, possibly a stylized 'W' or a series of connected triangles. A thin white line intersects one of these thick red lines. In the lower right, there is a pattern of small white dots arranged in a grid-like fashion, with some dots missing to create a textured effect. A white horizontal line is positioned below the text 'FOP WALLET'.



# Background

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- Sabre continues to enhance its internal solutions to provide customers with an area uniquely designed and dedicated for storing form of payment data and improve form of payment management
- 5- form of payment functionality provides basic capabilities that results in customers storing form of payment data in non-authorized locations of the Reservation to meet their unique business needs
- Customers have a need to store multiple forms of payment and associate to a specific passenger, use type, and trip type





# FOP Wallet Benefits



- Store multiple forms of payment and optionally associate by passenger, use type, and trip type and to easily identify and integrate into workflows
- Additional data elements can optionally be stored; Cardholder Name, Corporate ID, Payment Card Approval Codes
- Content validation at time of entry reduces the risk and burden for manual intervention later in the workflow process
- Form of payment follows associated passenger at time of Reservations Display, Divide, Reduce Number in Party
- Utilizes current ticketing and EMD fulfillment logic, if more than one form of payment exists in the \*FOP field
- Optional Edit can be activated to force form of payment referencing at fulfillment, if multiple forms of payment exist in the \*FOP field

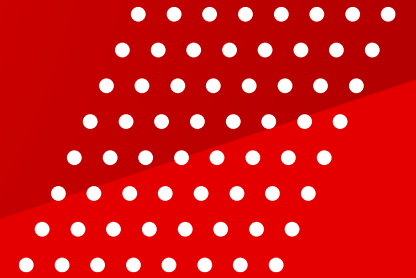
# FOP Wallet Benefits cont.

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- Interfaces with Profiles; form of payment data and associations are copied from the Profile into the Reservation
- Provides storage capabilities for payment card manual and auto-approval codes
- Works in conjunction with Sabre Virtual Payments
- Current EPR keyword rules are applied to provide authorized users viewership of payment card data
- \*FOP is offered through Sabre Web Services enabled

# INTERFACE USER RECORD (IUR)

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# Interface User Record (IUR)



## BACKGROUND

- Many users pass data from the Reservation to their back-office system using Itinerary, Invoice, and Interface Remarks
- **COMING SOON!** Payment Card data identified in Remarks will be anonymized (i.e., permanently removed) from the Reservation
- Agents will be inhibited from passing payment card data to the back-office using these fields

## Who is impacted?

- Users that have a need to pass payment card data from the Reservation to the IUR to support the needs of back-office systems

## New Solution

- New “Interface Record” Use Type is being created in the form of payment Wallet (\*FOP) to identify and store payment cards destined for a back-office system
- New “Interface Record” Use Type will be available in Sabre Profiles

# Wallet (\*FOP) Format & Display Examples

Format Example 1: (see display \*FOP line 1)

AS+UIR+FOP+AX3XXXXXXXXXX2006+02/24\*E06\*Z166720+AMT-2616.54/SE-

Format Example 2: (see display \*FOP line 2)

AS+UIR+FOP+AX3XXXXXXXXXX2006+02/24\*Z166720+AMT-GBP2616.54/SE-M-TVL

Format Example 3: (see display \*FOP line 3)

AS+UIR+FOP+AX3XXXXXXXXXX2014+07/27\*Z493144+AMT-330/SE-1.1#2

Format Example 4: (see display \*FOP line 4)

AS+UIR+FOP+AX3XXXXXXXXXX2014+07/27\*Z493144+AMT-40/SE-1.1#3

Format Example 5: (see display \*FOP line 5)

AS+UIR+FOP+CA5XXXXXXXXXX1018+12/23+AMT-/IRP-ALTFOP

|                        |         |              |       |
|------------------------|---------|--------------|-------|
| *FOP                   |         |              |       |
| FORM OF PAYMENT        |         |              |       |
| 1. PAYMENT CARD TYPE   |         |              |       |
| AX3XXXXXXXXXX2006/0224 |         |              |       |
|                        | UIR     |              |       |
| 1. 166720              | 23JUN23 | 2243/25JUN23 | E06 M |
| AMOUNT: 2616.54        |         |              |       |
| NOTES: SE-             |         |              |       |
| 2. PAYMENT CARD TYPE   |         |              |       |
| AX3XXXXXXXXXX2006/0224 |         |              |       |
|                        | UIR     |              |       |
| 1. 166720              | 23JUN23 | 2244/25JUN23 | M     |
| AMOUNT: GBP2616.54     |         |              |       |
| NOTES: SE-M-TVL        |         |              |       |
| 3. PAYMENT CARD TYPE   |         |              |       |
| AX3XXXXXXXXXX2014/0727 |         |              |       |
|                        | UIR     |              |       |
| 1. 493144              | 23JUN23 | 2244/25JUN23 | M     |
| AMOUNT: 330.00         |         |              |       |
| NOTES: SE-1.1#2        |         |              |       |
| 4. PAYMENT CARD TYPE   |         |              |       |
| AX3XXXXXXXXXX2014      |         |              |       |
|                        | UIR     |              |       |
| 1. 493144              | 23JUN23 | 2244/25JUN23 | M     |
| AMOUNT: 40.00          |         |              |       |
| NOTES: SE-1.1#3        |         |              |       |
| 5. PAYMENT CARD TYPE   |         |              |       |
| CA5XXXXXXXXXX1018/1223 |         |              |       |
|                        | UIR     |              |       |
| NOTES: IRP-ALTFOP      |         |              |       |

# Getting Started



Assign a test PCC

Activate PNAPNR (TJR edit). All new Sabre PCCs have this option activated as a default.

Test end-to-end process. Front office, mid-office, Backoffice, OBT

Test all applications that interact with a PNR (specifically FOP). ex, Scripts, Red Apps, PF Keys, QC, mid-office, etc..

Refer to SAN's - 16331, 17007 and 17009 for detailed information

## Additional resources

- Finder in Sabre Central
- FOP Functional Guide is available in Sabre Central > Support > Additional Support > Product Release Notes & Related Information
- FOP is supported by Software Support.

***Sabre***®